Celebrating **30** Years
1991 2021

FIRSTCALL PHOTOGRAPHIC

2023 Catalogue and Analogue Photography Guide
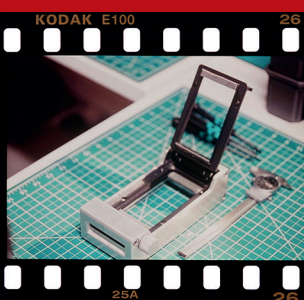
FIRSTCALL
PHOTOGRAPHIC LTD

Celebrating **30** Years 1991-2021

Dear Photographer,

It is always our privilege to produce a new catalogue to benefit all our fantastic customers who look forward each year to reading about all the latest offerings in the analogue world of photography.

For thirty-three years, we diligently produced this catalogue which was then printed and mailed to any customer who requested a copy. Due to production and mailing costs this year, we have decided to leave the catalogue as a PDF version. It will sit on our website's home page and be available to download as often as possible and in just the required sections (if preferable).
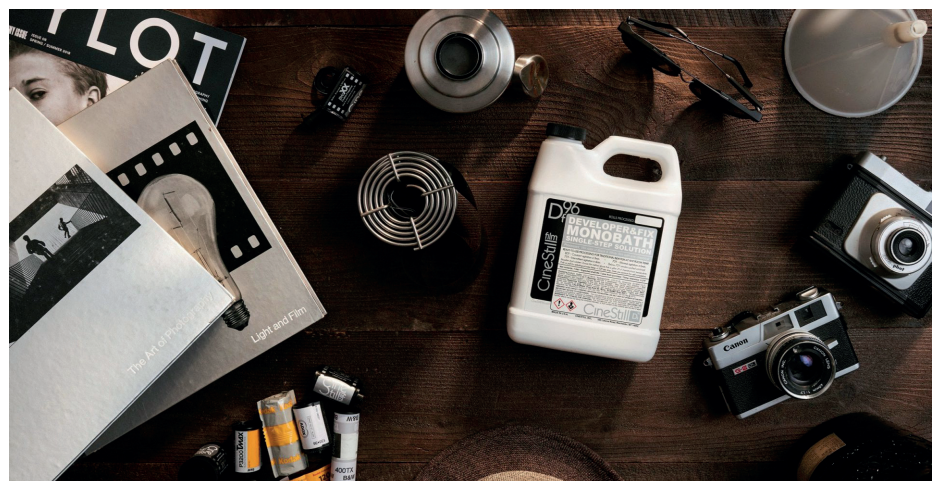
However, we still remember those customers who like a printed copy. Of course, you can print PDF versions too on your home printer, but if you're one of (the small number of) our customers who do not have access to the internet, we will print and send you a catalogue on request.

Of course, the main talking point this year has been not only the items (like film) that have increased considerably in price but also the cost of living crisis in general. That's why we'll always highlight and advise on the best value-for-money items available in this catalogue or by direct communication with us.

We continue to add new and specialist analogue photographic items to our extensive range – some exclusive and continue to hold over 91% of our product range in stock at the first time of the request. This figure is unrivalled in the photographic industry and a testimony to the fantastic staff who make the business work for you behind the scenes.

Yours sincerely,

R Bates

Rodney Bates

Please note, since Brexit, some imported items are suffering fluctuating stock levels. For certainty check before ordering.

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PHOTOGRAPHIC FILM

Photographic film was the "camera food" for creative photography long before the arrival of digital memory cards, and to the contemporary digital photographer, film is often misunderstood and categorised in the same way as memory cards, i.e. just a way of recording your photographic images. Photographic film gives you uniquely subjective results and unrivalled archival qualities; two things today's memory cards will never match.

All options are still open to the film photographer who wishes to make film the real heart of their picture making assignments.

NO RETAILER IN THE UK STOCKS MORE FILM BRANDS THAN FIRSTCALL

Kodak, Fuji, Ilford, Bergger, Adox, Foma, Ferrania, CineStill, Revolog, Lomography Kentmere, Rollei, Washi

35MM BLACK AND WHITE FILM

No other type of film today sells in greater numbers than black and white 35mm film. You use 35mm film in 35mm SLR, compact and re-useable (disposable) cameras. We suggest buying 35mm film according to film speed (or ISO light sensitivity) based on whether you want a medium or high-speed option.

Different types of photography lend themselves to use film with a variety of ISO settings. For everyday work, choose between ISO 100 and 200. For fine detail or document work, choose between ISO 25 and 50. If you're working in sports or lower light conditions choose ISO 400 or in extreme conditions extend the ISO range to 3200.

BLACK AND WHITE 35MM FILM, LESS THAN 400 ISO

Use these films for a variety of shooting requirements from lith work, high contrast, fine grain or just when you want a very high sharpness as your end result. ISO 100 is also the film speed for the everyday photographer with the ability to push the film if extra speed is needed.

	B&W FILM UNDER 400 ISO			
Code	Brand	Product	Ex VAT	Inc VAT
40904	Adox	CMS 20 II 35mm, ISO 20, 5 Rolls + 100ml Adotech IV	£29.16	£34.99
40906	Adox	HR-50, 135-36, ISO 50	£4.74	£5.69
40908	Adox	CHS 100 II 35mm, ISO 100, 135-36	£5.58	£6.69
21031	CineStill	BWxx ISO 200 135/36	£7.91	£9.49
11131	Ferrania	P30 135-36, ISO 80	£12.08	£14.49
26431	Foma	Fomapan 100, Classic, 135-36, ISO 100	£3.91	£4.69
26434	Foma	Fomapan 200, Creative, 135-36, ISO 200	£4.58	£5.49
26443	Foma	Fomapan R100, 135-36, ISO 100 Slide Film	£6.41	£7.69
26247	Fujifilm	Neopan Acros II 135-36, ISO 100	£11.66	£13.99
11133	Ilford	PanF Plus 135-36, ISO 50	£8.74	£10.49
11135	Ilford	FP4 Plus 135-24, ISO 125	£6.74	£8.09
11136	Ilford	FP4 Plus 135-36, ISO 125	£8.58	£10.29
11172	Ilford	Delta Pro 135-24, ISO 100	£8.41	£10.09
11173	Ilford	Delta Pro 135-36, ISO 100	£10.83	£12.99
11198	Ilford	SFX 135-36, ISO 200	£12.58	£15.09
11199	Ilford	Ortho 80 Plus 135-36, ISO 80	£9.58	£11.49
26315	Kentmere	PAN 100 Black and White Film, ISO 100, 135-24	£4.41	£5.29
26316	Kentmere	PAN 100 Black and White Film, ISO 100, 135-36	£4.58	£5.49
26269	Kodak	TMax Pro 135-36, ISO 100	£11.66	£13.99
90552	Lomography	Babylon 13 Kino , ISO 13, 135-36	£7.49	£8.99
90553	Lomography	Potsdam Kino, ISO 100. 135-36	£7.91	£9.49
90555	Lomography	Earl Grey, ISO 100. 135-36, Pack of 3	£13.33	£15.99
90559	Lomography	Fantome Kino ISO 8, 135-36	£7.92	£9.50
26265	Rollei	Ortho 25 Plus 135-36, ISO 25	£7.66	£9.19
26349	Rollei	Retro 80S 135-36, ISO 80	£5.24	£6.29
26352	Rollei	Superpan 200 135-36, ISO 200	£5.24	£6.29
26389	Rollei	Blackbird Creative 135-36 , ISO 25/100	£8.74	£10.49
26273	Washi	135, 16 exposures, W, ISO 25	£13.58	£16.29
26290	Washi	135, 24 exposures, F, ISO 100	£5.83	£6.99

CINESTILL BWXX BLACK AND WHITE

CineStill BwXX 35mm is a classic panchromatic black and white negative film for outdoor and studio use. It has a variable base sensitivity of ISO 250 under daylight (5500K) and ISO 200 under tungsten lighting (3200K), and you can rate it up to ISO 1600 with the appropriate processing compensation.

Ideal for low light situations, this film delivers rich blacks and high contrast images while also providing very high sharpness, a broad tonal range, and a fine grain structure. It is an excellent choice for those looking for a classic film stock to fill the void left by the discontinuation of Kodak Plus-X or TXP320. This film stock is left relatively unchanged since its release in 1959 for still and motion picture use.

Please Note: Some imported items are suffering fluctuating stock levels. For certainty check before ordering.

BUDGET BLACK AND WHITE FILM

from **£5.29**

Everyone loves a bargain, especially in these days when you need to make your photography budgets work harder than ever. You need to know that you've bought as wisely as possible.
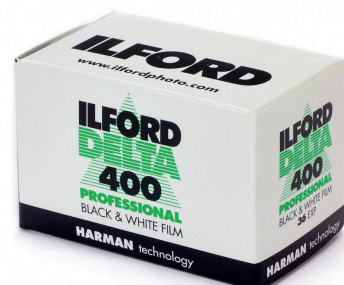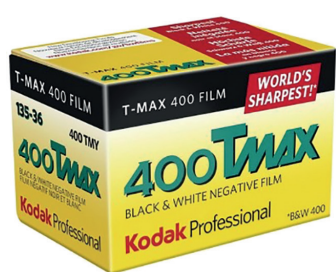
We recommend Kentmere as your base purchase. No one sells it cheaper than us, and it offers perfectly good results, albeit limited push-ability and can sometimes appear a little grainy. This is particularly true as this year Ilford finally discontiniued their long-running budget, PAN film.

Kentmere Pan film is also available in 100 or 400 ISO in 35mm cassette or bulk with and a 24 exposure option too.

35MM BLACK AND WHITE FILM ISO 400 AND ABOVE

Film photographers choose ISO 400 for indoors when you cannot use flash and with the extra sensitivity it is possible to get some decent shots. With increased sensitivity comes the downside where you create extra grain or distortion in your pictures, but given the British climate, this is the film to have with you in the winter months. When light levels are extremely low, we suggest for the extended sensitivity of ISO 3200 film. It is used to increase the shutter speed in certain situations (if you can't use a faster lens, or additional lighting/tripod etc.).

WASHI FILM

Washi's 25 ISO black & white film is a modern adaptation of one of the oldest photographic techniques: the paper negative or Calotype, invented by William Henry Fox Talbot. By coating photosensitive emulsion onto a traditional Japanese paper, this smart French company has produced the Washi, a new original film with a unique pictorialist aesthetic look to it.

Fully handcrafted, easy to handle and develop, Washi Film is now available in conventional photographic formats: 35mm, 120 and 4 x 5, so now any monochrome photographer can discover this unique film. Being a paper negative you develop it in paper developer usually 1+1 dilution, and you can reuse the solution for several rolls or sheets.

FOMAPAN FILM

FomaPan, based in the Czech town of Hradec Kralove, is a quality budget alternative film to the big brands. Foma has been producing photo materials for almost one hundred years. Unlike any other film manufacturer, they make in ISO 100, 200 and 400 options. All offer very competitive prices, and we recommend their 400 Action range with a 36-exposure film costing just £5.49.

It features an excellent resolution, and it is intended for use under unfavourable light conditions. We think it's an ideal educational purchase for the autumn/winter terms when picture-taking opportunities can sometimes be at a premium.

B&W FILM 400 ISO AND ABOVE				
Code	Brand	Product	Ex VAT	Inc VAT
42018	Bergger	Pancro 400, 135-36, ISO 400	£6.08	£7.29
26437	Foma	Fomapan 400, Action, 135-36, ISO 400	£4.58	£5.49
11139	Ilford	HP5 Plus 135-24, ISO 400	£6.74	£8.09
11140	Ilford	HP5 Plus 135-36, ISO 400	£8.58	£10.29
11142	Ilford	XP2 Super 135-24, ISO 400	£7.24	£8.69
11143	Ilford	XP2 Super 135-36, ISO 400	£9.24	£11.09
11144	Ilford	Delta Pro 135-24, ISO 400	£8.49	£10.19
11145	Ilford	Delta Pro 135-36, ISO 400	£9.99	£11.99
11146	Ilford	Delta Pro 135-36, ISO 3200	£11.91	£14.29
26317	Kentmere	PAN 400 Black and White Film, ISO 400, 135-24	£4.41	£5.29
26318	Kentmere	PAN 400 Black and White Film, ISO 400, 135-36	£4.58	£5.49
26280	Kodak	TMax Pro 135-36, ISO 400	£11.66	£13.99
26283	Kodak	Tri-X Pro 135-36, ISO 400	£11.66	£13.99
26291	Kodak	TMax Pro 135-36, ISO 3200	£14.16	£16.99
90550	Lomography	Berlin Kino ISO 400, 135-36	£9.99	£11.99
90557	Lomography	Lady Grey, ISO 400. 135-36, Pack of 3	£14.58	£17.49
26271	Rollei	Infrared IR400 135-36, ISO 400	£6.16	£7.39
26354	Rollei	Retro 400S 135-36, ISO 400	£5.24	£6.29

BEWARE OF NEW FILM INTRODUCTIONS

It is a sad fact of life that there are only three black and white film manufacturers left producing a new monochrome film – for the whole of the world, They are Ilford, Kodak and Foma. It stands to reason therefore that any "new" film introduced has to be made by one of these existing manufacturers, and often we question the actual "newness" or difference that such a film can offer. Admittedly emulsion bases will change the characteristics of a film, but because we know the film market well, we'll only list a new film when we think it has something of real merit to offer to our customers.

BULK 35MM BLACK AND WHITE FILM

Bulk film is not a quaint photographic term for buying quantities of film at a reduced price, but ironically this is exactly the result you achieve.

Bulk loading black and white 35mm film will save up to 40% when compared to a normal roll of "cassette" film. To take advantage of this saving though you need to buy additional equipment including a bulk film loader, scissors, tape, and reloadable cassettes.

Loading bulk film could not be easier; you simply attach the cassette in daylight, then wind on your choice of exposures required - between 4 and 36 shots. Finally, cut the length from your main bulk, again in daylight, and you are ready to load your film into your camera.

When bought in 30-metre lengths you get up to 684 shots from a single roll. This equates to a price of only £3.41 inc VAT for every roll of 36 exposures used (when using Kentmere PAN film), and as the cassettes used are re-useable, the only extra cost to a photo department is the time used in reloading the film.

BULK B&W FILM

Code	Brand	Product	Ex VAT	Inc VAT
26466	Foma	Fomapan 100, Classic, 17m, ISO 100	£24.24	**£29.09**
26467	Foma	Fomapan 100, Classic, 30.5m, ISO 100	£42.91	**£51.49**
26468	Foma	Fomapan 400, Action, 17m, ISO 400	£26.41	**£31.69**
26469	Foma	Fomapan 400, Action, 30.5m, ISO 400	£44.58	**£53.49**
11148	Ilford	PanF Plus 50 30m, ISO 50	£106.08	**£127.29**
11150	Ilford	FP4 Plus 125 17m, ISO 125	£67.91	**£81.49**
11151	Ilford	FP4 Plus 125 30m, ISO 125	£111.24	**£133.49**
11153	Ilford	HP5 Plus 400 17m, ISO 400	£67.91	**£81.49**
11154	Ilford	HP5 Plus 400 30m, ISO 400	£111.24	**£133.49**
11157	Ilford	XP2 400 30m, ISO 400	£93.58	**£112.29**
11194	Ilford	Delta Pro 30m, ISO 100	£111.24	**£133.49**
11195	Ilford	Delta Pro 30m, ISO 400	£117.49	**£140.99**
26338	Kentmere	PAN 100 Black and White Film, ISO 100, 30m	£54.08	**£64.89**
26339	Kentmere	PAN 400 Black and White Film, ISO 400, 30m	£54.08	**£64.89**
25163	Kodak	Tri-X Pro 30m, ISO 400	£187.50	**£225.00**

DON'T FORGET YOUR CASSETTES

If you're buying bulk film, you'll need some plastic cassettes for loading the film on to. Our cassettes are fully reusable, guaranteed light tight and scratch proof. The cassettes, manufactured by AP in Spain, are made in three pieces: casing, spool and cap.
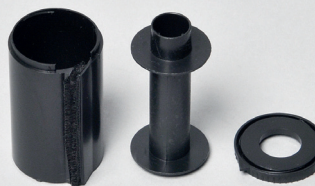
You can buy the cassettes in packs of 10 or 100 at £9.99 or £89.99 inc VAT respectively.

120 BLACK AND WHITE FILM

Medium-format film, sometimes called 120 is usually roll film, typically allowing 8 to 32 exposures on one roll of film before reloading is needed. This is fewer than 35mm cartridges, which typically take 24 or 36 pictures on one roll. Being a negative size of 60 x 60mm, it also records an image size four times larger than a 35mm equivalent, making it the choice of professionals when printing in the darkroom.

Interestingly, medium format film also has a paper backing which you discard during the loading of the film.

120 B&W FILM

Code	Brand	Product	Ex VAT	Inc VAT
42028	Bergger	Pancro 400, 120, ISO 400	£5.24	**£6.29**
26432	Foma	Fomapan 100, Classic, 120, ISO 100	£4.08	**£4.89**
26435	Foma	Fomapan 200, Creative, 120, ISO 200	£4.49	**£5.39**
26438	Foma	Fomapan 400, Action, 120, ISO 400	£4.49	**£5.39**
26442	Foma	Retropan 320 120, ISO 320	£5.41	**£6.49**
11107	Ilford	Delta Pro 120, ISO 100	£7.24	**£8.69**
11108	Ilford	Delta Pro 120, ISO 400	£7.24	**£8.69**
11134	Ilford	FP4 Plus 120, ISO 125	£6.58	**£7.89**
11137	Ilford	HP5 Plus 120, ISO 400	£6.58	**£7.89**
11141	Ilford	XP2 Super 120, ISO 400	£6.33	**£7.59**
11411	Ilford	Delta Pro 120, ISO 3200	£8.74	**£10.49**
11149	Kentmere	Pan 100 120, ISO 100	£4.83	**£5.79**
11156	Kentmere	Pan 400 120, ISO 400	£4.83	**£5.79**
25156	Kodak	Tri-X Pro 120, ISO 400, Pack of 5	£49.99	**£59.99**
26267	Kodak	TMax Pro 120, ISO 100, Pack of 5	£58.33	**£69.99**
26278	Kodak	TMax Pro 120, ISO 400, Pack of 5	£48.33	**£57.99**
90551	Lomography	Berlin Kino ISO 400, 120	£7.91	**£9.49**
90554	Lomography	Potsdam Kino, ISO 100. 120	£6.91	**£8.29**
90556	Lomography	Earl Grey, ISO 100. 120, Pack of 3	£14.16	**£16.99**
90558	Lomography	Lady Grey, ISO 400. 120, Pack of 3	£14.99	**£17.99**
26263	Rollei	Infrared IR400 120, ISO 400	£7.08	**£8.49**
26274	Rollei	Ortho 25 Plus 120, ISO 25	£8.33	**£9.99**
26351	Rollei	Retro 80S 120, ISO 80	£5.41	**£6.49**
26353	Rollei	Superpan 200 120, ISO 200	£5.58	**£6.69**
26355	Rollei	Retro 400S 120, ISO 400	£5.66	**£6.79**
26277	Washi	120, W, ISO 25	£11.49	**£13.79**
26286	Washi	120, S, ISO 50	£6.66	**£7.99**
26300	Washi	120, F, ISO 100	£6.66	**£7.99**

Please Note: Some imported items are suffering fluctuating stock levels. For certainty check before ordering.

OUR BUDGET 120 BLACK AND WHITE FILM

Have you ever longed for an inexpensive medium-format film in a world of ever-increasing prices? Well, Harman Technology (the Ilford people) have just launched two new films that have become the cheapest medium format films we sell.

from £5.79

new

Available in both 100 and 400 ISO, they are ideal for those new or returning to film photography and budget-conscious photographers struggling with the current cost of living pressures.

We particularly like the Kentmere Pan 100, which, compared to Kentmere Pan 400, is slower with finer grain and a touch more contrast when compared to Ilford FP4. It also has less visible grain, less latitude although slightly less forgiving, and more contrast. At £5.79 inc VAT, both films represent great value for money.

FOMAPAN 100 120

Fomapan 100 Classic is another new budget medium format film this year. It is a flexible, panchromatically sensitized black and white negative film that produces fine grain and a very high resolution. It adapts well to exposure errors but may not be as dense in shadow areas as some of its contemporaries.

This film is interesting because it comes in the Classic version and a rather pretty Retro version. The Retro version celebrates the 100th Anniversary of Foma and is inspired by the original boxes' design from the 1930s. The film inside the box is the same, but for just an extra 30p we think it will brighten any photographer's day.

LARGE FORMAT BLACK AND WHITE SHEET FILM

Photographic sheet film is a large format photographic film supplied on individual sheets of acetate or polyester film base rather than rolls. It was initially supplied as an alternative to glass plates. The most popular size measures 4×5 inches, although we carry stock 5x7 and 8x10 inch sizes too.

These days, the principal use for large format sheet film is for taking pinhole shots, but large format cameras, film holders and lenses are still widely available.

OUR BUDGET 4X5-INCH BLACK AND WHITE FILM

The same Fomapan 100 Classic above is also available in sheet film version and is a much cheaper option when compared to Ilford or Kodak equivalents.

£42.39 for 50 Sheets

The nominal sensitivity of Fomapan 100 Classic is ISO 100/21. Its exposure latitude gives good results within an exposure range of EI 50/18 to EI 400/27. Fomapan 100 Classic resolving power: 110 lines/mm.

Being the cheapest sheet film that we sell it is also ideal for experimental educational work.

WASHI PAPER NEGATIVE 4 X 5 FILM

We sell a sheet film, modern adaptation of one of the oldest photographic techniques: the paper negative or Calotype, invented William Henry Fox Talbot. By coating photosensitive emulsion onto a traditional Japanese paper, Washi ISO 25 black & white film original film gives a lovely, unique pictorialist aesthetic look to it.

Entirely handcrafted, easy to handle and develop, Washi Film is thoroughly recommended for those of you for like to experiment with film results. However, remember that being a paper negative you develop it in a paper developer, like Ilford PQ, usually 1+1 dilution and you can reuse the solution for several sheets.

SHEET FILM – BUY THE BEST FROM ILFORD

When you want the best quality in a sheet film, we recommend Ilford.

FP4 Plus combines fine grain, high sharpness, and an exceptionally smooth tonal range with robustness unaffected by either over or under-exposure. HP5 Plus is their high-sensitivity, fast alternative and can also be pushed to 3200/36 and given extended development in Ilford DD-X, Ilfotec HC or Microphen developers.

Capable of enlargement up to particularly large sizes, FP4 film is used at its best where quality, dependability and control take priority over the speed of the film. HP5 is ideal for action, available light and general-purpose photography. You could use this film for landscapes and product photography.

SHEET FILM				
Code	Brand	Product	Ex VAT	Inc VAT
26292	Foma	Fomapan 100, Classic, 4 x 5in, ISO 100, 50 sheets	£35.33	**£42.39**
26299	Foma	Fomapan 100, Classic, 9 x 12cm, ISO 100, 50 sheets	£29.16	**£34.99**
26436	Foma	Fomapan 200, Creative, 4 x 5in, ISO 200, 50 sheets	£40.49	**£48.59**
26439	Foma	Fomapan 400, Action, 4 x 5in, ISO 400, 50 sheets	£40.49	**£48.59**
26444	Foma	Retropan 320 4x5, ISO 320, 50 sheets	£35.41	**£42.49**
11138	Ilford	FP4 Plus 4 x 5in, ISO 125, Pack of 25	£51.91	**£62.29**
11147	Ilford	HP5 Plus 4 x 5in, ISO 400 Pack of 25	£51.91	**£62.29**
11152	Ilford	FP4 Plus 8 x 10in, ISO 125, Pack of 25	£157.41	**£188.89**
11155	Ilford	HP5 Plus 8 x 10in, ISO 400 Pack of 25	£157.41	**£188.89**
11413	Ilford	Delta 100 Sheet Film, 5 x 4, 25 Sheets	£47.50	**£57.00**
26270	Kodak	TMax Pro, 4 x 5in, ISO 100, 10 sheets	£58.33	**£69.99**
26275	Kodak	TMax Pro, 4 x 5in, ISO 400, 10 sheets	£74.99	**£89.99**
26272	Rollei	Infrared 400S 4 x 5 in, ISO 400, 25 Sheets	£46.66	**£55.99**
26264	Rollei	Ortho 25 Plus film, 5 x 4in, ISO 25	£59.99	**£71.99**
26276	Rollei	Ortho 25 Plus film, 8 x 10in, ISO 25	£157.50	**£189.00**
26279	Washi	4 x 5, W, ISO 25, 12 sheets	£23.58	**£28.29**

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COLOUR PRINT FILM

Colour film is a far more technologically advanced medium than black and white and uses two different processes for development – C41 for colour print film and E6 for processing colour slide film.

The rule of sensitivity, described for black and white film, still applies but most colour films remain in the popular ISO 100 – 400 grouping now.

OUR BUDGET 35MM COLOUR PRINT FILM

Fuji's C200 film is our preferred budget colour print film. We consider it an ideal all-around colour print film and a great alternative to Ektar or Portra from Kodak.

In our view, it works best if you are picture taking in good lighting conditions and produces brilliant images when you want nostalgic-type results.

Either way, you'll not find better value because, at only £11.99 per roll of 36 exposures, it's an excellent film for beginners of colour analogue work. It is not as cheap as ColorPlus from Kodak but more readily available and a better film.

DUBBLEFILM – GREAT FUN

The Dubblefilm range of 36 exposure 35mm rolls are made by Kodak and then pre-exposed for creative looks. Partnered with Revolog, there are five variants in the range - Apollo, Bubblegum, Jelly, Pacific and Solar.

We particularly like the Pacific film, which creates beautiful sepia/blue/greenish tones that will enhance your photos. Dubblefilm describes it as colour 35mm film with added tone producing deep colours inspired by the freshness of a post-monsoon rain.

Each one will add a subtle twist to your colour photos, so it's worth checking out each one with its sample pictures on our website.

Pacific

Solar

WASHI X COLOUR FILM

Film Washi announces its brand-new 135-colour film called Washi X.

new

Produced in Europe, its unusual manufacture comes with no orange correcting mask (invented by Kodak in 1947) that gives your pictures vibrant and lovely warm tones. It also recreates the pioneering days of colour films like those introduced by Agfa in the 1940s.

Also, because there is no orange mask, it is possible to process this film in both C41 AND E6 chemistry, meaning this unique film can be rendered as either a colour negative or (most inexpensive) colour slide film.

It is an extraordinary film giving a different aesthetic unparalleled by any of its contemporaries. In standard rating, the film would be 100 ISO, but we believe 200 ISO is readily achievable to fill the current void of medium-speed colour films.

35MM COLOUR PRINT FILM				
Code	**Brand**	**Product**	**Ex VAT**	**Inc VAT**
25169	CineStill	Xpro C-41 ISO 50 Daylight 135/36	£9.99	**£11.99**
25182	CineStill	400 Daylight C-41 135/36	£13.16	**£15.79**
25170	CineStill	Xpro C-41 ISO 800 Tungsten 135/36	£11.24	**£13.49**
26805	Dubblefilm	Bubblegum 135-36	£9.99	**£11.99**
26806	Dubblefilm	Jelly 135-36	£9.99	**£11.99**
26807	Dubblefilm	Solar 135-36	£9.99	**£11.99**
26808	Dubblefilm	Apollo 135-36	£9.99	**£11.99**
26809	Dubblefilm	Pacific 135-36	£9.99	**£11.99**
25181	Firstcall	Vision 3 250D ISO 125-400, 135-36	£10.41	**£12.49**
25184	Firstcall	Vision 3 500T ISO 500-800, 135-36	£10.41	**£12.49**
26360	Fujifilm	C200 135-36, ISO 200	£9.99	**£11.99**
26341	Fujifilm	Superia XTRA 135-36, ISO 400	£9.99	**£11.99**
26628	Kodak	Ektar 100 135-36 ISO 100	£13.58	**£16.29**
26450	Kodak	ColorPlus 135-24, ISO 200	£6.66	**£7.99**
26451	Kodak	ColorPlus 135-36, ISO 200	£9.16	**£10.99**
26630	Kodak	Gold GB 135-24, ISO 200	£6.41	**£7.69**
26631	Kodak	Gold GB 135-36, ISO 200	£9.99	**£11.99**
26632	Kodak	Gold GB 135-108, ISO 200	£24.16	**£28.99**
26030	Kodak	Ultra Max 135-24, ISO 400	£7.41	**£8.89**
26053	Kodak	Ultra Max 135-36, ISO 400	£8.74	**£10.49**
26781	Kodak	Portra 160 135-36, ISO 160, Pack of 5	£65.83	**£78.99**
26779	Kodak	Portra 400 135-36, ISO 400, Pack of 5	£74.99	**£89.99**
26773	Kodak	Portra 800 135-36, ISO 800	£16.66	**£19.99**
90538	Lomography	LomoChrome Metropolis XR ISO 100-400, 135-36	£11.24	**£13.49**
26760	Revolog	Rasp 135-36	£9.41	**£11.29**
26761	Revolog	Volvox 135-36	£9.41	**£11.29**
26762	Revolog	Texture 135-36	£9.41	**£11.29**
26763	Revolog	Lazer 135-36	£9.41	**£11.29**
26764	Revolog	Plexus 135-36	£9.41	**£11.29**
26765	Revolog	Streak 135-36	£9.41	**£11.29**
26766	Revolog	Tesla One 135-36	£9.41	**£11.29**
26767	Revolog	Tesla Two 135-36	£9.41	**£11.29**
26768	Revolog	Kolor 135-36	£9.41	**£11.29**
26769	Revolog	460nm 135-36	£9.41	**£11.29**
26770	Revolog	600nm 135-36	£9.41	**£11.29**
26772	Revolog	Kosmos 135-36	£9.41	**£11.29**
26311	Washi	135, 36 exp, X, ISO 100. Unique C41 or E6 with no orange mask	£10.00	**£12.00**

120 COLOUR PRINT FILM

120 COLOUR PRINT FILM				
Code	**Brand**	**Product**	**Ex VAT**	**Inc VAT**
25179	CineStill	Xpro C-41 ISO 50 Daylight 120	£10.41	**£12.49**
25180	CineStill	Xpro C-41 ISO 800 Tungsten 120	£10.41	**£12.49**
26633	Kodak	Gold GB 120, ISO 200, Pack of 5	£49.99	**£59.99**
26636	Kodak	Ektar 100 120, ISO 100, Pack of 5	£66.66	**£79.99**
26774	Kodak	Portra 800 120, ISO 800, Pack of 5	£89.99	**£107.99**
26780	Kodak	Portra 400 120, ISO 400, Pack of 5	£72.49	**£86.99**
26782	Kodak	Portra 160 120, ISO 160, Pack of 5	£66.66	**£79.99**

KODAK PORTRA 160

Kodak Portra 160 120 variant is daylight-balanced and offers a smooth and natural colour palette, balanced with medium saturation and low contrast for accurate skin tones and consistent results. It is therefore well-suited to portrait, wedding, commercial photography, and general use when lighting permits.

We love its very fine grain structure, high sharpness, and fine edge detail and because of this is one of our favourite colour negative films for scanning.

Alternatively, Portra 120 ISO 400 film is the ideal choice for nature, travel and outdoor photography, where the action is fast, or you can't control the lighting.

It delivers really fine grain plus spectacular skin tones and exceptional colour saturation over a wide range of lighting conditions.

SHEET COLOUR PRINT FILM

KODAK PORTRA 400 SHEET FILM

You cannot get a finer-grain, high-speed colour negative sheet film than Kodak Portra 400.

At actual ISO 400 speed, it offers exceptional colour saturation over a wide range of lighting conditions.

As a large format photographer, you'll also appreciate consistently smooth, natural reproduction of the full range of skin tones.

Although Portra 400 sheet film is the ideal choice for portrait and fashion photography, you can equally use it for stunning nature, travel and outdoor photography, where the action is fast, or the lighting is unchangeable.
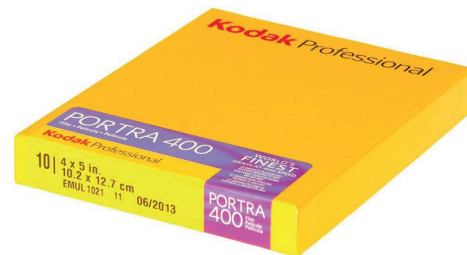
PROTECT YOUR SHEETS WITH MACO GLASSINE PAGES

An economical and practical method of storing negatives and contact proof pages is to buy a paper (glassine) type of storage sheet.

Our range from MACO are an alternative to those made in the UK by Kenro Limited and are almost 1/3 of the price compared to our Kenro range.

They make their negative sleeves from finely-ground pulp paper which is largely greaseproof but has a low wet strength. The high level of transparency is achieved by a special mechanical treatment called calendaring. Acid- and lignin-free they are suitable for long term negative storage.

- 100 sheets per pack
- Museum quality, document safe
- Acid- and lignin-free
- Highly suitable for archiving
- Glassine releases moisture
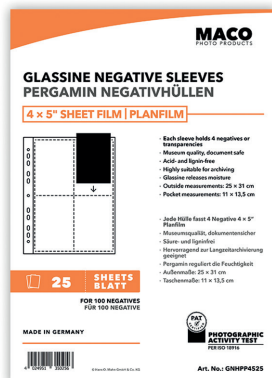
SHEET COLOUR PRINT FILM				
Code	**Brand**	**Product**	**Ex VAT**	**Inc VAT**
26613	Kodak	Ektar 100 4 x 5, ISO 100, Pack of 10 sheets	£77.50	**£93.00**
26614	Kodak	Portra 160 4 x 5, ISO 100, Pack of 10 sheets	£60.83	**£73.00**
26615	Kodak	Portra 400 4 x 5, ISO 100, Pack of 10 sheets	£90.00	**£108.00**
26616	Kodak	Portra 160 8 x 10, ISO 100, Pack of 10 sheets	£299.20	**£359.00**
26617	Kodak	Portra 400 8 x 10, ISO 100, Pack of 10 sheets	£337.50	**£405.00**
26429	MACO	Negative Pages, Paper (glassine), 4 x 5 inch, 100 sheets	£29.83	**£35.79**
26430	MACO	Negative Pages, Paper (glassine), 8 x 10", 100 sheets	£20.24	**£24.29**

Film

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35MM COLOUR SLIDE FILM

KODAK EKTACHROME

Kodak Ektachrome is recommended as the replacement for Kodachrome, and for a short time was Kodak's only available slide film. Then it disappeared, but thanks to a resurgence in demand it's now firmly established again. Ektachrome, known for its extremely fine grain, clean colours, great tones and contrasts is a great film to have in an analogue photographer's armoury. When buying Kodak Ektachrome, you can choose between 35mm and 120 formats.

FUJI SLIDE FILM

Fuji Velvia offers unparalleled colour saturation when out shooting landscape or product shots with its strong colours and high contrast. Use the Velvia 50 version when lighting conditions allow, e.g. Mediterranean landscapes or Velvia 100 when your lighting is not quite so good.

We recommend Provia 100F if you want to scan your film and manipulate it digitally, but, as it offers normal saturation, natural colours and medium contrast it is the "all-rounder" safe option from Fuji.

35MM COLOUR SLIDE FILM

Code	Brand	Product	Ex VAT	Inc VAT
26146	Kodak	Ektachrome E100 135-36, ISO 100	£21.33	£25.59
26325	Fujifilm	Velvia 100 135-36, ISO 100	£22.08	£26.49
26327	Fujifilm	Velvia 50 135-36, ISO 50	£22.08	£26.49
26373	Fujifilm	Provia 100F 135-36, ISO 100	£18.16	£21.79
26382	Adox	Scala 50 135-36, ISO 50 (B&W)	£4.96	£5.95
26443	Foma	FomaPan R100 135-36 (B&W)	£6.41	£7.69

120 AND SHEET COLOUR SLIDE FILM

ONLY FUJI MAKE PROFESSIONAL SLIDE FILM

Kodak's 120 Ektachrome and Fuji Velvia or Provia are less expensive alternatives. FujiFilm also still manufacture a professional sheet slide film. The quality of the media that Fujifilm produces is just fantastic and when the client wants to see fully saturated, ultra-sharp slides, there is no better way than making that impact with Fuji Professional slide film. As with 35mm, choose between Velvia ISO 50 or 100 and Provia 100F options.

120 AND SHEET COLOUR SLIDE FILM

Code	Brand	Product	Ex VAT	Inc VAT
26147	Kodak	Ektachrome E100 120, ISO 100, Pack of 5	£89.16	£106.99
26323	Fujifilm	Velvia 100 4 x 5 in, 20 Sheets	£143.33	£171.99
26324	Fujifilm	Velvia 100 120, ISO 100, 5 pack	£56.66	£67.99
26326	Fujifilm	Velvia 50 120, ISO 50, Pack of 5	£62.49	£74.99
26329	Fujifilm	Provia 100F 4 x 5 in, 20 Sheets	£127.49	£152.99
26372	Fujifilm	Provia 100F 120, ISO 100, Pack of 5	£49.99	£59.99

Please Note: Some imported items are suffering fluctuating stock levels. For certainty check before ordering.

FUJI INSTAX INSTANT FILM

Fuji is now the dominant force in instant picture film. Their film can not only be used in their cameras but also Leica and Lomography and others. They offer a choice of no less than three format sizes depending on the Fuji Instax instant camera you are using.

The best-selling of these three options is their Instax Mini film – a wallet-sized photo that you can use in their "Mini" series cameras, and it is this size that fits the Lomography and Leica Instant cameras too.

The larger Wide Colour Twin offers a glossy image 4 x 2.5in and is used in the Instax 300 camera (and the 200/210 model too). This larger picture, much more like a traditional "Polaroid" size, can be used in a Fuji Instax camera that costs less than £110.

FUJI INSTANT FILM

Code	Product		Ex VAT	Inc VAT
56001	Instax Wide Colour ISO 800 Twin Pack	Glossy, image 4 x 2.5in, 20 exposures	£15.74	**£18.89**
56002	Instax Mini, ISO 800, 10 Sheets, Twin Pack	Glossy use with Mini 11 camera, 20 exp.	£12.49	**£14.99**
56012	Instax Wide Monochrome WW1 ISO 800	Glossy, image 4 x 2.5in, 10 exposures	£10.83	**£12.99**

POLAROID INSTANT FILM

Polaroid Originals is the manufacturer of Polaroid film and cameras. We stock their Polaroid instant film in two formats, 600 and SX-70. The great thing about this is that even if your Polaroid camera is forty years old, you can still get replacement film for it.

POLAROID TYPE 600 INSTANT FILM

This colour instant film is purpose-made for use with the new Now or One Step 2 cameras, i-Type, Lab or any older style Polaroid 600-type camera. Made by Polaroid originals, this film offers high colour saturation, levels of detail and sharpness and stunning image quality.

Specification:
- 8 exposures per pack
- Colour instant film for Polaroid 600-type cameras and Instant Lab
- Format: 3.5 x 4.2 inches (8.8 x 10.7 cm)
- Image area: 3.1 x 3.1 inches (7.9 x 7.9 cm)
- Finish: Glossy
- Development: 30 minutes approximately at 70 degrees F (21 degrees C)

Works with:
- Polaroid 600-Type Cameras
- i-1 Cameras
- One Step 2 Cameras
- Polariod Now Cameras
- Instant Lab

POLAROID BLACK AND WHITE INSTANT FILM

Polaroid produces both formats of its film in black and white as well as colour. Black & White 600 film is a classic instant film for vintage Polaroid 600 cameras (but it works with i-Type cameras as well). It captures your photos in deep blacks, bright whites and a million shades in between, and it's great for everything from studio portraits to late-night parties because everyone looks good in black & white (even after one too many cocktails).

Their SX-70 Black and White film is the same slow speed (ISO 160) as the colour SX-70 version so while can be equally as creative as with the Type 600 B&W you need to try to shoot in lots of bright, natural light just as when you're using colour.

POLAROID INSTANT FILM

Code	Product		Ex VAT	Inc VAT
90543	Color 600 Film - 8 pictures	Instant colour film for use with Instant Lab or Polaroid 600	£15.83	**£18.99**
90544	B&W 600 Film - 8 pictures	Instant B&W film for use with Polaroid/Impossible	£15.83	**£18.99**
90545	Color SX70 Film - 8 pictures	Instant colour film for Polaroid SX70 cameras	£17.49	**£20.99**
90547	B&W SX70 Film - 8 pictures	Instant black and white film for Polaroid SX70 cameras	£17.49	**£20.99**
90565	Go Colour Film Twin Pack	For use with Polaroid Go, 16 pictures	£15.83	**£18.99**

Side tabs:
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FILM PROCESSING CHEMICALS

Developing film is easier than most photographers think. Black and White, which is very straightforward and inexpensive to do. It's even possible to process with just two chemicals—developer and fixer—converting the unseen latent image into a permanent visual image. However, other solutions—stop bath, clearing agent and wetting agent—are optional, but strongly recommended, for obtaining film-processing results that are consistently good and long-lasting.

Colour print film follows a similar path to black and white when it comes to processing chemicals but generally at higher temperatures (38 degrees C). However, both colour print and colour slide processing chemicals tend to come in kits with everything you need to make it easier.

BLACK AND WHITE FILM DEVELOPERS

The most critical part is the developer which is needed to convert the exposed silver halide crystals, on a film, into metallic silver, which produces the characteristic blacks and greys of a monochrome image

We stock over 30 different types of developers; most are available for next day delivery. It is possible to choose from highly economical options to specialist offerings to customise the process. Most developers come in concentrated liquid form which you then dilute with water. The most common dilution is 1+4, but some highly concentrated developers like Ilford's LC29 dilute as little as 1+29.

All black and white film developers will process at a room temperature of 20 degrees C but increase that temperature to 24 degrees C, and you will cut your processing time by up to one-third.

ILFORD ILFOSOL 3 AND FOTOSPEED FD10

Closely related in formulaic terms, Ilford Ilfosol 3 and Fotospeed FD10 are both liquid concentrated developers that give fine grain and good sharpness. We sell more of these two developers than any other principally because they faithfully develop medium and slow speed films like Ilford Pan 100 or 400 films.

To use, you dilute the liquid concentrate generally at 1+9 for a one-shot at 20 degrees C. For greater economy, they can be used with many films at a higher dilution of 1+14, with only a small trade-off in image quality. Full unopened bottles will keep for a year but opened for up to four months.

Ilfosol 3 only comes in 500ml bottles, which typically make 5 litres of working solution.

Fotospeed FD10 comes in 250ml, 1 litre and 5-litre options. The 5-litre container will make 50 litres or put another way – DEVELOP UP TO 170 FILMS when a typical 35mm tank uses 300ml of working solution. This equates to a cost of only 44p a film.

ZONE IMAGING LAB 510 PYRO

510 Pyro is a unique developer among the staining pyro and catechol type; it is the finest grained developer to date without compromising film speed or acutance. It has even better tonal separation than any other of its contemporaries.

For scanning, shadows are exceptional, and in the darkroom, highlights look outstanding.

That's why at Firstcall, we believe it is the best of the various tanning and staining developers and offers the ultimate Holy Trinity of full speed, fine grain, and acutance, which is so often compromised with other developer choices.

For UV based alternative prints, the proportional stain increases density for highlights. Hence, a more pleasing contrast is possible without using toxic chemicals like dichromate to increase contrast afterwards when such chemicals also damage the print.

Plus, it is compatible with Jobo and other rotary machines, unlike other pyros/catechol developers - PMK can be of note as one that does not.

It's a highly flexible developer, used 1:100 to 1:500, with two main recommended development methods, for user preference to choose, with 1:100 dilution with almost 50 films having times. It also hardens the emulsion protecting it from damage.

OUR CHEAPEST FILM DEVELOPER

Adox Atomal 49 is an extra-fine grain, compensating developer offering excellent film speed and high contrast control.As a single-use developer, ATM 49 delivers precise, repeatable results. The powder developer mixes to make a 1-litre stock solution. The stock solution can be used for up to ten films or further diluted as a single-shot developer. Stock solution can be kept in a full container for up to 6 weeks.

The 5-litre version mixes to a 5-litre stock and, working the same way, can process up to 50 films, making it the cheapest developer we sell.

DEVELOP AND FIX YOUR BLACK AND WHITE FILM AT THE SAME TIME

Most analogue photographers have two options when it comes to processing the film they shoot - develop the rolls yourself or take them to your local lab. Until now, being away from home, without a darkroom or a changing bag has meant extreme difficulty in getting a film developed.

With the Ars-Imago MB Monobath film developer, you can develop and fix at the same time with only one bath!

This highly concentrated all-in-one developer, for black and white films, produces negatives that have medium-high contrast with a real and evenly-balanced tone scale. Just mix 300ml of Part A and 300ml of Part B to get 600ml of working solution in a jug. Pour the solution into the developing tank and 8 minutes is all it takes at 20 degrees C for most black and white film to be developed (and fixed). No stop bath required.

You can re-use the working solution several times in a couple of weeks, or the stock solution can be diluted 1:1 and used as a one-shot developer. You can achieve the best results with conventional cubic-grain films like Ilford's HP5 and FP4, Kodak Tri-X or Kentmere. It is not recommended to use Monobath with T-Grain films like Ilford Delta or Kodak T-Max.

This fast, easy and efficient solution for developing your black and white films, with only one chemical bath, makes it an ideal companion to the new Lab-Box from Ars-Imago too.

POWDER DEVELOPERS ID11 AND D76

The formulas of these two powder developers are similar and they produce identical results. They are the two most popular powder developers we sell, both single part and straightforward to mix. Both are economical, versatile, fine-grain developers for all general film processing requirements where you require fine grain negatives without loss of emulsion speed. It is recognised internationally as a standard in many fields of scientific and technical photography.

They will process more different types of black and white film than any other developer ensuring the best balance of fine grain, sharpness and tonal rendition producing negatives which allow a high degree of enlargement.

ID11 is still available in a pack to make one litre (5 films) or 5 litres, but the D76 is only available in one box size (3.8 litres). Storage time for unopened full bottle ID-11 stock solution is six months.

Finally, a little tip if you like the look of these developers. Kodak HC-110 and Ilford Ilfotec-HC were both designed to be liquid concentrate alternatives of D76 and ID11.

ADOX ADONAL FILM DEVELOPER (RODINAL FORMULA)

Adonal is made to the same formulation as Rodinal and is an acutance enhancing film developer. You should achieve identical results, albeit that it offers more fine-grain while still l enhancing sharpness and acutance.

We also suggest that when using high dilutions and small developing tanks, please make sure to apply on each film 35mm or 120 at least 5 ml of the concentrated developer. For sheet films, please make sure to use 5 ml of concentrate for every four sheets of 4x5 or one sheet of 8x10 inch size.

Made in Germany, it features superb contour sharpness and a high-speed yield and is a highly concentrated, very sharp working film developer. It is a one-shot developer and cannot be re-used but can be used as a fundamental economic developer Use with slow or medium speed films at a dilution of 1+25 or 1+50 for real economy. For specialist films, you can even use it at dilutions of 1+300.

CINESTILL DF 96 MONOBATH DEVELOPER & FIXER

Developing black and white film is so simple with the CineStill Df96 Monobath. The angst of too much development, dilution, time or agitation are a thing of the past. Even Stop bath, Fixer or Hardener can all be dispensed with if you use Df96, making for totally foolproof at-home film processing.

This ready-to-use single-step solution also overcomes other inconsistencies like improper dilution, over-agitation, bubble marks or surge marks. You'll also find that over-processing is impossible because the fixing action overtakes chemical development while aiding physical development, creating better image uniformity and finer grain negatives.

Df96 overcomes the old monobath solution problem of losing emulsion speed, which often results when the fixation process dissolves the exposed silver halide before development can happen. Available as a liquid or long-lasting powder.

FX-39 FILM DEVELOPER — HIGH DEFINITION EXCELLENCE

This one-shot, high definition developer is perfect for bringing out exceptional detail and extreme sharpness from your negatives.

Based on the Beutler Formula for Neofin Red, it was initially formulated by Geoffrey Crawley for Paterson Photographic and is is closely related to Acutol but specifically developed to exploit the advanced silver halide grain technology in films such as Ilford Delta, Kodak Tmax or Fuji Acros. It makes excellent use of the film's full ISO-rating, and it is possible to double the film's ISO by merely adjusting the development times.

At 1+19 dilutions, twice the normal development time applies, giving you a valuable compensating effect with extra shadow detail and the ability to cope with high contrast subjects. We especially recommend it for films up to 200 ASA.

Standard dilution is 1+9. At 1+14 the time should be multiplied by 1.5 and at dilutions of 1+19 develop for twice as long as by standard dilution.

FILM DEVELOPER

Code	Brand	Product	Description	Ex VAT	Inc VAT
26332	Adox	FX-39 Type II Film Developer, 500ml	High definition developer offering fine-grain and sharpness	£6.33	£7.59
27485	Adox	XT-3 Film Developer, makes 1 litre	Also know as Vitimin C developer, will process 10 films	£4.42	£5.30
27486	Adox	XT-3 Film Developer, makes 5 litres	Also know as Vitimin C developer, will process 50 films	£12.42	£14.90
40902	Adox	Adotech IV, 100 ml	Liquid, for use with Adox CMS20 film, develops 6 rolls	£10.75	£12.90
40907	Adox	HR-Developer, 100ml	Makes up to 5 l. Purpose made for use with Adox HR-50 film	£8.29	£9.95
41141	Adox	Adonal Film Developer (Rodinal formula),	500ml - Liquid, pea-soup economy, ma litres	£10.41	£12.49
41176	Adox	Atomal 49 Film Developer, makes 1 litre	Powder, extra-fine grain developer, will process 10 films	£5.41	£6.49
41177	Adox	Atomal 49 Film Developer, makes 5 litres	Powder, extra-fine grain developer, will process 50 films	£11.49	£13.79
12032	Ars-Imago	Monobath Film Developer, A & B, 500ml	Develop and fix your black and white film at the same time with only one bath!	£15.00	£18.00
27480	Bellini	Eco Range Film Developer, 500ml	Hydroquinone Free, makes 1 litre	£7.50	£9.00
27487	Bellini	Hydrofen Developer, 100ml	Hydroquinone, high contrast developer, makes 1.6 litres	£3.33	£3.99
27488	Bellini	Hydrofen Developer, 250ml	Hydroquinone, high contrast developer, makes 4 litres	£6.66	£7.99
27489	Bellini	Nucleol BF200 Developer A + B, 500ml	Pyro developer that offers fine-grain negatives with a high level of sharpness, high acutance and superb tonality.	£6.66	£7.99
27490	Bellini	Eco Range Film Developer, 1 litre	Hydroquinone Free, makes 2 litres	£14.58	£17.50
27492	Bellini	Euro HC Film Developer, 500ml	Liquid, rapid processing, makes 16 l, alternative to Kodak HC110	£16.66	£19.99
42025	Bergger	PMK Film Developer, A & B 500ml plus 250ml	Liquid, Pyro staining universal developer, makes 25 litres	£25.83	£31.00
42026	Bergger	PMK Developer Roto Additive, 250ml	For use with PMK when used in rotary processor, makes up to 25 l	£4.91	£5.89
26110	Champion	Suprol Universal Film & Print Developer, 1 litre	Liquid, for film and paper, makes up to 10 litres	£9.16	£10.99
41174	Foma	Fomadon Excel Film Developer, makes 1 litre	Low cost powder developer that's perfect for Foma films	£4.41	£5.29
41175	Foma	Fomadon LQN Film Developer 250 ml.	Low cost liquid developer that's perfect for Fomapan films.	£3.74	£4.49
13001	Fotospeed	FD10 Film Developer, 250 ml	Liquid, one-shot economy, makes 2.5 litres	£5.58	£6.69
13003	Fotospeed	FD10 Film Developer, 1 litre	Liquid, one-shot economy, makes 10 litres	£15.83	£18.99
13004	Fotospeed	FD10 Film Developer, 5 litres	Liquid, one-shot economy, makes 50 litres	£63.33	£75.99
11004	Ilford	ID11 Film Developer, 1 litre	Powder, makes 1 litre	£8.08	£9.69
11006	Ilford	ID11 Film Developer, 5 litres	Powder, makes 5 litres	£16.49	£19.79
11009	Ilford	Microphen Film Developer, 1 litre	Powder, extra fine, makes 1 litre	£8.08	£9.69
11010	Ilford	Ilfotec DD-X Film Developer, 1 litre	Liquid, ideal for Delta 3200, makes 5 litres	£27.99	£33.59
11011	Ilford	Perceptol Film Developer, 1 litre	Powder, extra fine grain, makes 1 litre	£8.08	£9.69
11014	Ilford	Ilfosol 3 Film Developer, 500 ml	Liquid, makes 5 litres	£12.24	£14.69
11015	Ilford	Ilfotec LC29 Film Developer, 500ml	Liquid, economical, makes 15 litres	£26.24	£31.49
11016	Ilford	Ilfotec HC Film Developer, 1 litre	Liquid, rapid processing, makes 16 litres	£38.24	£45.89
11360	Ilford	Simplicity Film Developer, 60ml	Enough black and white developer to process 2 films	£4.41	£5.29
18032	Kodak	XTOL Film Developer, 5 litres	Powder, makes 5 litres	£13.91	£16.69
26050	Kodak	D76 Film Developer, 3.8 litres	Powder, same as ID11	£13.16	£15.79
26054	Kodak	HC110 Film Developer, 1 litre	Liquid, rapid processing, makes 32 litres	£31.41	£37.69
26057	Kodak	T-Max Film Developer, 5 litres	Liquid	£21.58	£25.89
19010	Tetenal	Ultrafin T-Plus Film Developer, 500ml	Liquid, for Tmax types, makes up to 2.5 litres	£24.83	£29.79
19011	Tetenal	Ultrafin Film Developer, 1 litre	Liquid, universal film developer, makes up to 31 litres	£24.16	£28.99
19012	Tetenal	Paranol S Film Developer, 250ml	Liquid, compensating film developer, makes up to 12.5 l	£7.33	£8.79
19128	Tetenal	Parvofin B/W Developer Tablets (10)	Individiual film development dry tablets - will process 20 films	£31.24	£37.49
27493	Zone Imaging Lab	510 Pyro, 100ml with the 5ml oral syringe	Amazing pyro developer that develops 30-100 35mm rolls, 5+ years shelf life	£21.67	£26.00

COST OF LIVING HELPER

With money being a little tighter to spend this year, not helped by some significant film price

increases, we have noticed a large increase in Fomapan's black and white film sales in the last few months.Now to go with that, but not exclusively, we offer a new low-cost film developer option from Foma that will make the pennies go further.

They produce two Fomadon developers that (for around £5) are very welcome additions to this years film developer range.

Fomadon Excel is a one-litre powder developer capable of producing 12 black-and-white films from any manufacturer. Fomadon LQN is a 250ml liquid developer also capable of developing 12 films but particularly attuned to Fomapan 100 and 400 users.

FILM STOP BATH

The primary function of the stop bath is to halt the development process and to remove the excess developer from the film. Do not only use running water for this purpose because you need to neutralise the developer and prevent contamination of the fixer. The stop bath also removes the calcium and magnesium deposits present in hard water that often form during development.

The most commonly used film stop bath is an acetic acid solution. Odour free citric acid stop baths are also available, but are not as concentrated as acetic acid versions and so often cost more.

You use Stop Baths in film and print processing, and they usually come with a dye that changes the colour of the solution when exhausted. Be sure to dilute the concentrate correctly as you can blister the film if too strong.

Most films only need around 30-60 seconds in a stop bath for it to be effective.

ODOUR FREE STOP BATH

Using a citric odourless stop bath makes for a safer and sweeter-smelling darkroom when compared to traditional acetic acid stop bath. You remove allergies and skin irritations by using this type of stop-bath, which is equally suitable for film or paper use. Choose from Bellini, Fotospeed or Tetenal. All dilute at 1+19 in either application, come with indicator dye to warn of exhaustion, and are ready to wash after 1 minute of immersion. With them, you will find they also protect your fixer life and performance with no alkali carry-over from the developer.

CHEAPEST STOP BATH

only £10.29

We do not sell a cheaper stop bath than one from Ilford. Ilfostop is a citric acid odourless stop bath made in Germany and has a universal application for all black & white films and photographic RC/ FB papers.

It has an indicator dye to warn of exhaustion. It also makes for a more pleasant darkroom environment due to its odourless formula. It dilutes at 1+19 with water in all applications and works out at only 83p per litre of working solution.

STOP BATH

Code	Brand	Product	Description	Ex VAT	Inc VAT
27482	Bellini	Eco Range Universal Stop Bath (inc. indicator dye)	1 litre - Citric Acid Monohydrate, makes 20 litres	£9.00	£10.80
27491	Bellini		500ml - Citric Acid Monohydrate (odourless), makes 10 l	£6.91	£8.29
13034	Fotospeed	SB50 Odourless Stop Bath, 1 litre	Liquid, including dye indicator, makes 20 litres	£11.08	£13.29
13037	Fotospeed	SB50 Odourless Stop Bath, 5 litres	Liquid, including dye indicator, makes 100 litres	£44.33	£53.19
11025	Ilford	Ilfostop Stop Bath , 500 ml	With indicator, based on citric acid, makes up to 10 litres	£8.58	£10.29
11362	Ilford	Simplicity Film Stop Bath, 30ml	Enough black and white stop bath to process 2 films	£3.58	£4.29
18001	Kodak	Indicator Stop Bath, 470ml	Liquid, including dye indicator, makes 30 litres	£7.49	£8.99
41120	Rollei	RCS Odourless Stop Bath, 1 litre	Liquid, including dye indicator, makes 17 litres	£14.58	£17.49
19030	Tetenal	Indicet Odourless Stop Bath, 1 litre	Based on citric acid, with indicator, makes 20 litres	£20.83	£24.99

Please Note: Some imported items are suffering fluctuating stock levels. For certainty check before ordering.

FILM FIXERS

The action of "fixing" the film will fix the image on the negative; in effect, it stops the film from going black in daylight. A fixer turns unused silver halides into a compound that will dissolve in water and can then rinse off the film. As a rule of thumb, you should allow 5 minutes to fix a film and about 2 minutes for paper fixing.

There are two types of fixer. The acidified "hypo" type main ingredient is sodium thiosulphate, which you usually use at film strength. The other type of fixer contains acidified ammonium thiosulphate. You once needed to add a hardener to these fixers, for use with films, when an emulsion needed protection, but this is no longer the case with most modern films. Ammonium thiosulphate fixers half the fixing time and are often called rapid fixers.

SODIUM FIXERS

There are not too many sodium fixers left on the market now as everyone puts a priority on speed in processing. However, Kodak's version is a traditional hardening Sodium Thiosulphate fixer powder that makes a stock solution of 3.8 litres for fixing film, but you can also dilute the stock 1:3 for fixing paper.

Tetenal market a time saver fixer called Superfix Plus that eliminates the need for a stop bath after development.

For sensitive users, we also sell the Tetenal or Fotospeed Odourless Stop baths and fixers - which you will find on the black and white paper auxiliaries page.

GREAT VALUE FIXER

Adox Adofix P II is unusual in that it is a universal powder acid fixer for films and papers - all others being liquid. You can use it for manual processing of most types of black and white photo papers and films.

only £3.49

This light-weight powder fixer, based on Sodium Thiosulphate, has a great shelf life. Both the powder and the working solution are very durable. It's also a great value option when just a small solution of fixer is required. Makes 1 litre.
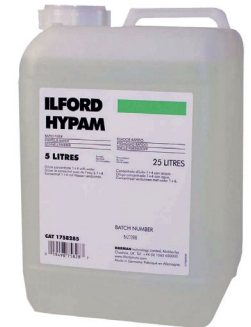
CHAMPION AMFIX

Amfix universal fixer dilutes at 1+4 for film or 1+9 for prints of all types. It offers rapid fixing times and high throughput potential. Available in 1 litre or 5 litre concentrates it is consistently our best-selling fixer. You cannot buy a cheaper fixer.

ILFORD RAPID AND HYPAM

Hypam used to be available in all sizes, but now only 5-litre containers are available. Hypam is different from Rapid fixer, which is Ilford's standard offering in 500ml and 1-litre bottles because Ilford adds a hardener to Hypam to make a hardening fixer. That said, both are ammonium thiosulfate rapid fixers, and thus very similar in use. Both give you the quick wash times that are possible with a non-hardening fixer. You can also use both of them for film and paper at a dilution of 1+4 dilution for film and 1+9 for paper.

ODOURLESS FIXER

Fotospeed's helping hand in making your darkroom a sweeter smelling place is extended with their odourless fixer, which is suitable for film and paper use. The FX30 fixer standard dilution is 1+9. It makes for a more pleasant working environment in your darkroom, pH neutral; it is available in 1 or 5-litre containers. The use of stop bath is recommended to extend the life of the fixer. Tetenal also makes odourless fixer but only in a one-litre size.

Code	Brand	Product	Description	Ex VAT	Inc VAT
40905	Adox	Adofix P II Universal Fixer, 1 litres	Powder, for film and paper, makes 1 litre	£2.91	£3.49
27481	Bellini	Eco Range Universal Fixer, 1 litre	Ammonium Hyposulfite, makes 5-10 litres	£11.24	£13.49
26116	Champion	Amfix Fixer, 1 litre	Liquid, for film and paper, makes 5 l for film or 10 l for prints	£6.24	£7.49
26117	Champion	Amfix Fixer, 5 litres	Liquid, for film and paper, makes up to 50 litres	£21.83	£26.19
13010	Fotospeed	FX20 Fixer, 1 litre	Liquid, film and paper, makes up to 10 litres	£8.74	£10.49
13011	Fotospeed	FX20 Fixer, 5 litres	Liquid, film and paper, makes up to 50 litres	£34.83	£41.79
13012	Fotospeed	FX30 Odourless Fixer, 1 litre	Liquid, for film and paper, makes up to 10 litres	£8.74	£10.49
13014	Fotospeed	FX30 Odourless Fixer, 5 litres	Liquid, for film and paper, makes up to 50 litres	£34.83	£41.79
11020	Ilford	Rapid Fixer, 500 ml	Liquid, film and paper, makes up to 5 litres	£11.74	£14.09
11021	Ilford	Rapid Fixer, 1 litre	Liquid, film and paper, makes up to 10 litres	£16.08	£19.29
11022	Ilford	Hypam Fixer, 5 litres	Liquid, film and paper, makes up to 50 litres	£45.41	£54.49
11361	Ilford	Simplicity Film Fixer, 100ml	Enough black and white fixer to process 2 films	£4.49	£5.39
18036	Kodak	Professional Rapid Fixer with Hardener, 1 L	For film and paper, makes up to 3.8L; Solution A 946ml, Solution B 106ml	£17.66	£21.19
26070	Kodak	Sodium Fixer, 3.8 litres	Powder, for film and paper, makes up to 15 litres	£20.33	£24.39
41114	Rollei	Fix AG, 1.2 litres	Liquid, for film & paper, makes up to 12.5 litres	£10.00	£12.00
41115	Rollei	Fix AG, 5 litres	Liquid, for film & paper, makes up to 50 litres	£24.58	£29.49
41116	Rollei	Fix AG Plus, 5 litres	Liquid, for film & paper, makes up to 50 litres	£28.74	£34.49
19017	Tetenal	Superfix Odourless Fixer, 1 litre	Liquid, for all film & papers, makes 5 litres	£17.24	£20.69
19020	Tetenal	Agfix Fixing Bath Test Kit	Determines fixer life, 100 acid & silver tests	£58.33	£69.99
19043	Tetenal	Superfix Plus Fixer, 1 litre	Liquid, rapid fixer, makes up to 10 litres	£15.91	£19.09
19045	Tetenal	Superfix Plus Fixer, 5 litres	Liquid, rapid fixer, makes up to 50 litres	£27.83	£33.39

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PHOTO CHEMICALS FOR AN ECO-FRIENDLY LIFE

We have increasingly been asked to source sustainable products that customers can enjoy more responsibly in the last few years. Because of our experience, we have provided new ranges of both chemicals and equipment. Here we list our environmentally-friendly chemical range, and if you're interested in our equipment additions (like our stainless steel replacements for plastics), please look at page 29)

You can easily replace your film developer, stop bath and fixer completely with eco-friendly products. Bellini, for example, makes a hydroquinone-free developer (saves killing fish in the watercourse). Fotospeed and Ilford also make comparable products. They also produce citric acid stop bath and odourless fixers – I'm sure we've all had enough of wearing masks in the last couple of years.
Look out for more eco-products in the coming year.

PHOTO CHEMICALS FOR AN ECO-FRIENDLY LIFE

Code	Brand	Product	Description	Ex VAT	Inc VAT
27485	Adox	XT-3 Film Developer, makes 1 litre	Also know as Vitimin C developer, will process 10 films	£4.42	£5.30
27486	Adox	XT-3 Film Developer, makes 5 litres	Also know as Vitimin C developer, will process 50 films	£12.42	£14.90
27480	Bellini	Eco Range Film Developer, 500ml	Hydroquinone Free, makes 1 litre	£7.50	£9.00
27481	Bellini	Eco Range Universal Fixer, 1 litre	Ammonium Hyposulfite, makes 5-10 litres	£11.24	£13.49
27482	Bellini	Eco Range Universal Stop Bath, 1 l	Citric Acid Monohydrate, makes 20 litres	£9.00	£10.80
27490	Bellini	Eco Range Film Developer, 1 litre	Hydroquinone Free, makes 2 litres	£14.58	£17.50
27491	Bellini	Eco Range Universal Stop Bath (inc.indicator dye) 500ml	Citric Acid Monohydrate (odourless), makes 10 litres	£6.91	£8.29
27492	Bellini	Euro HC Film Developer, 500ml	Liquid, rapid processing, makes 16 l, alternative to Kodak HC110	£16.66	£19.99
13012	Fotospeed	FX30 Odourless Fixer, 1 litre	Liquid, for film and paper, makes up to 10 litres	£8.74	£10.49
13014	Fotospeed	FX30 Odourless Fixer, 5 litres	Liquid, for film and paper, makes up to 50 litres	£34.83	£41.79
13034	Fotospeed	SB50 Odourless Stop Bath, 1 litre	Liquid, including dye indicator, makes 20 litres	£11.08	£13.29
13037	Fotospeed	SB50 Odourless Stop Bath, 5 litres	Liquid, including dye indicator, makes 100 litres	£44.33	£53.19
11025	Ilford	Ilfostop Stop Bath, 500 ml	With indicator, based on citric acid, makes up to 10 litres	£8.58	£10.29
11362	Ilford	Simplicity Film Stop Bath, 30ml	Enough black and white stop bath to process 2 films	£3.58	£4.29
18001	Kodak	Indicator Stop Bath, 470ml	Liquid, including dye indicator, makes 30 litres	£7.49	£8.99
18032	Kodak	XTOL Film Developer, 5 litres	Powder, makes 5 litres	£13.91	£16.69
41120	Rollei	RCS Odourless Stop Bath, 1 litre	Liquid, including dye indicator, makes 17 litres	£14.58	£17.49
19017	Tetenal	Superfix Odourless Fixer, 1 litre	Liquid, for all film & papers, makes 5 litres	£17.24	£20.69
19030	Tetenal	Indicet Odourless Stop Bath, 1 litre	Based on citric acid, with indicator, makes 20 litres	£20.83	£24.99

CLEARING AND WETTING AGENTS

After fixing, the film must be washed clean of processing chemicals. This process usually requires 20 to 30 minutes, with agitation, and a complete change of water at least every 5 minutes. Because concern for conservation and ecology is placing a higher premium on water supplies, it is worthwhile to reduce long and therefore wasteful washing times by the use of a clearing agent, often called a hypo neutraliser or hypo eliminator.

This solution speeds up the removal of the fixer and allows more efficient washing. For example, after a one or two-minute bath in Kodak's Hypo Clearing Agent, films need only a 5-minute wash. It is best to give the film a pre-rinse with water, as well as moderate agitation during the clearing step.

The use of a wetting agent is unnecessary, but it is a final step before drying that helps you get the best negatives. Wetting agents, such as Kodak's Photo-Flo solution, make the film's surface "wetter" so water flows off it smoothly, preventing water spots or streaks on the film while drying. The film is bathed in it for 30 to 60 seconds and helps minimise scratching of the film.

CLEARING AND WETTING AGENTS

Code	Brand	Product	Description	Ex VAT	Inc VAT
41171	Firstcall	Softpack WAC Wetting Agent,	500ml - Cuts drying time and avoids streaking for B&W film	£8.74	£10.49
13009	Fotospeed	FR10 Farmers Reducer, 4x 250ml	For over exposure, makes 4x 250ml	£14.99	£17.99
13019	Fotospeed	RA50 Rinse Aid Wetting Agent,	500 ml -Liquid, anti-drying marks aids drying, makes 200 l	£5.74	£6.89
11001	Ilford	Washaid, 1 litre	Liquid, aids washing of film and FB papers, makes 5 litres	£10.24	£12.29
11029	Ilford	Ilfotol Wetting Agent Liquid	1 litre - Liquid, add to film wash, makes 200 litres	£18.58	£22.29
11363	Ilford	Simplicity Film Wetting Agent	25ml - Enough black and white wetting agent to process 2 films	£3.83	£4.59
18002	Kodak	Photo Flo, 470ml	For anti-drying marks, makes 94 litres	£8.83	£10.59
18004	Kodak	Hypo Clearing Agent, 3.8 litres	Powder, reduces wash time, makes 19 litres	£10.24	£12.29
19025	Tetenal	Mirasol 2000 Anti-static Wetting Agent, 250 ml	For anti-drying marks, makes 100 litres	£9.74	£11.69

Please Note: Some imported items are suffering fluctuating stock levels. For certainty check before ordering.

COLOUR FILM C41 CHEMICALS

We often get the question "I have done black and white processing and now want to try colour negative processing – how hard is it?". The answer is that if you can maintain the temperature at 38 degrees C (the main difference between the two), then everything else in C41 processing is relatively familiar and straightforward.

When you need to develop colour negative film, it is C41 Chemistry that is required.

OUR NEW ECN2 KITS – C41 ALTERNATIVES

new

Chemical kits designed for motion pictures that require the Motion ECN2 process can also process 35mm camera film that have been re-rolled from large reels for SLR photography, e.g. the new Firstcall Vision 3 film we are selling.

While Bellini produces a complete liquid kit, an alternative option comes from Cinestill in their Cs2 kit. This kit contains one litre of ready-to-use pre-bath and concentrated solutions, including one litre of the developer, stop bath, bleach and fixer in handy powder form. The one-litre kit will process up to 16 35mm films of 36 exposure, one 16mm film of 30.5m, or six Super 8 films of 15 metres in length and comes with straightforward instructions. All you need is water, a thermometer and any simple tank and reel system!

You'll find ECN great for extremely high-contrast scenes or achieving the low-contrast cinematic look of motion picture negatives and a high-quality alternative to standard C41 processing. Shelf life can be up to two to three years.

TETENAL COLORTEC C-41

Tetenal's C-41 kits are perfectly attuned to the requirements of modern rotary and roll film development.

Based on a very fast 2-bath process (plus a final stabilising bath), they have been explicitly designed to meet the needs of customers who require processing speed combined with reliability. If you do your own C41 processing, you will love this range with its high yields, particularly easy handling, maximum processing and process reliability as well as high ecological standards.

The 1-litre liquid kit has a capacity of between eight and twelve 135-36 films. The larger 2.5-litre liquid kit is an economical alternative to its 1-litre sister product as its high yield enables you to process 30-40 films.

We recommend Tetenal C41 for use with Jobo CPE3/CPP processors - recommended processing times and procedures are available on request.

ROLLEI COLORCHEM C-41

The Colorchem Kit is identical to Tetenal's in that the kit comes in two baths and includes a stabiliser bath in the box. This one-litre pack which will develop up to 16 films that cost only £1.62 per developed roll, which makes it very economical to use.

Rollei Colorchem C41 can be used to process any C41 film (including Ilford XP2) in operating temperatures as low as 25°C through to the classic 38 °C.

You can even use it at a Rapid temperature of 45° C. Total processing time, including washing and stabilising, for films varies between 11 and 28 minutes depending on the temperature used. The kit comes with a full instruction booklet with development times, storage life, and mixing instructions.

OUR RECOMMENDED C41 KIT

Our recommended C41 kit is also one of the cheapest. The Bellini Monopart Kit is also slightly different from other kit suppliers in that the developer is diluted at the point of using it and because the bleach and fix are separate components (the bleach even comes ready to use).

Given the fact that it is an excellent value kit (up to 14 films can be processed) and easy to mix, with a start-to-finish processing time of less than a quarter of an hour, this is the standard to beat in colour processing kits.

TAKE ANYWHERE C41 POWDER KIT

If you can process your black and white film, you can make the step up to processing your own colour film so easily with this new kit from CineStill.

You can use their two-bath, powder-processing kit at various temperatures with the same equipment you already process your black and white film with at home. You don't even need a darkroom or automated processor, meaning you can process anywhere, and you'll achieve excellent results.

It contains reusable Developer and Blix for up to 24 rolls of film all you need is water, a thermometer and any simple tank and reel system!

We particularly recommend it for use with the Lab-Box from Ars Imago.

CINESTILL CS TEMPERATURE CONTROL SYSTEM

COLOUR FILM C41 AND ECN2 CHEMICALS

Code	Brand	Product	Description	Ex VAT	Inc VAT
27484	Bellini	C-41 Kit, MonoPart, 1 litre	Easy to use processing kit, processes 14 films	£29.16	£34.99
27495	Bellini	ECN2 Kit, 1 litre	Processing kit for motion picture 35mm ECN2 process like Firstcall Vision	£23.33	£27.99
21024	CineStill	Cs41 Color Simplified Kit Powder	Two bath C41 kit you can take anywhere with flexible processing times	£22.92	£27.50
27497	CineStill	Cs2 ECN2 Kit, 2-bath, 1 litre	Powder processing kit designed for motion pictures that require the Motion ECN2 process.	£26.66	£31.99
41173	Rollei	Colorchem C-41 Kit, 1 litre	2 baths, liquid, develops up to 16 films	£33.63	£36.99
19002	Tetenal	Colortec C-41 Rapid Negative Kit, 1 litre	2 baths, liquid, develops 8-12 films	£47.08	£56.49
19005	Tetenal	Colortec C-41 Rapid Negative Kit, 2.5 litres	2 baths, liquid, develops 20-30 films	£62.49	£74.99
19135	Tetenal	Magic-Box C-41	All you nned kit for development of 1xf 35mm or 1x 120 colour negative film.	£16.66	£19.99
21023	CineStill	CS Temperature Control System TCS-1000	Easily mix & heat your chemistry, C41, ECN or E6	£87.49	£104.99
21026	Novatronic	Water Heater	Accurate to +/-0.2 degrees C in its 0-42 degrees	£40.79	£48.95

COLOUR FILM E6 CHEMICALS

Code	Brand	Product	Description	Ex VAT	Inc VAT
27483	Bellini	E6 Kit, Six Bath, 1 litre	Professional processing slide kit, processes 8 films	£30.00	£36.00
27494	Bellini	E6 Kit, Six Bath, 5 litre	Professional processing slide kit, processes up to 50 films	£113.33	£136.00
41172	Foma	Reversal Kit for Black & White Slide Film	Complete reversal processing kit for slide-developement of 8 Fomapan 100 R 135/36 films or other B/W negative slide films.	£29.99	£35.99
19094	Tetenal	Colortec E6 Kit, 2.5 litres	3 baths, liquid, develops 30 films	£64.58	£77.49
19095	Tetenal	Colortec E6 Kit, 1 litre	3 baths, liquid, develops 12 films	£39.58	£47.49

The CineStill Temperature Control System TCS-1000 immersion circulator/thermostat is a great idea and a simple solution for developing your colour negative or slide films at home.
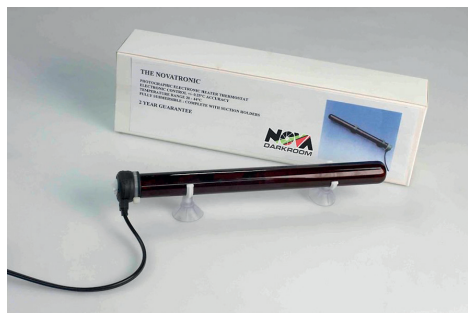
This system allows you to mix your chemistry efficiently, heat it to the precise processing temperature, and maintain it during the entire developing session.

Finally, you can semi-automate mixing concentrates and powder chemicals, heating them to the precise processing temperature, and maintaining the desired temperature during the entire developing session.

It holds two 1000ml. Storage bottles (collapsible accordion style, wide-mouth, Jobo, etc.), in a sink, tub, or basin of your preference, at the desired temperature. The intuitive interface presets the control to standard C-41 processing and quickly adjustable temperature and timers for any process.

With the TCS-1000, you can easily mix and heat chemistry in a 1000ml. Mixing Jug in seconds, without spills or additional oxidation, while reheating chemistry preserved in the fridge for longer shelf life.

BELLINI E6

This top-quality, excellent value kit is unique. It is the only small volume E6 Kit you can buy (processes eight films) that still uses the "traditional" six-bath process.

It makes one litre of each solution: First Developer, Reversal bath, Colour Developer, Pre-beach, Bleach, Fixer and 10 litres of Stabilizer.

It is probably the best E6 kit we sell. Although the six baths are double those from Tetenal, it's very straightforward in the processing method (albeit you should add around one minute to the First Developer time if you're processing Fuji slide films).

It's also easy to process without a film processor and takes a total of 45 minutes from beginning to end.

Available in one or five litre options.

TETENAL E6

Tetenal's 3-bath, 2.5-litre Colortec E6 kit has only three steps to develop and fix the film, but a fourth step will stabilise the film (optional).

It will process around thirty 35mm/120 films or 120 4x5 sheet film. You can mix the kit in smaller quantities by measuring out the concentrates. The kit includes full instructions. Processing at 38 degrees C, it copes with any E6 film: Kodak Ektachrome, Fuji Provia and Velvia.

NOVATRONIC WATER HEATER

The Novatronic Water Heater is a cheaper alternative to CineStill. Because it sticks to the inside of a developing dish, it can be used as a water bath for preheating any developing tank. It is accurate to +/- 0.2 degrees C in its 0-42 degree range.

FOMA REVERSAL KIT

Foma's complete reversal processing kit allows for the development of eight Fomapan 100 R 135/36 films or other B/W negative films (to use as a slide film). Unlike the normal B/W negative developing process, the exposed silver in the image remains clear, and the unexposed areas turn black. To do this, the exposed silver areas are developed and washed away, and the remaining unexposed silver areas are then exposed (second exposure) and once again developed, then finally fixed. In this way, you get a slide with prefect grey tones.

Please Note: Some imported items are suffering fluctuating stock levels. For certainty check before ordering.

FILM CLEANING

We are indebted to Guidetofilmphotography.com for their views on how to clean camera film correctly. Storage for film photography can always be an issue if you're an active photographer. And film negatives are susceptible to dust or mould if not properly stored. You should always store negatives in acid-free sleeves and archival binders or boxes in room temperature conditions to prevent potential damage. But things happen, and you might come across negatives that you need to clean. Luckily, you can fix most common problems such as dirty, musty, or mouldy negatives Dirty negatives can generally be fixed with a simple can of air. Alternatively, you can use a microfibre cloth to wipe a negative clean. As negatives can be rewashed repeatedly, washing the negative in room temperature water can also solve most issues. If you do rewash the negative, then it is highly recommended that you use a Photo-Flo solution for B&W film or the appropriate stabiliser for colour films. The negative should be hung to dry in a dust-free environment just like when it is developed and hung to dry.

If these basic cleaning methods fail, you could try using a film cleaner such as Pec 12, which is the only archival film cleaner on the market. If using a film cleaner, it is recommended you try it on an unimportant negative to test it before applying it to one you hope to keep, just in case. Please note that any liquid added to the negative will make the emulsion more susceptible to scratching so always be careful.

When attempting to clean slide film, it is recommended to remove the film from the cardboard mount to effectively clean the entire surface of the film. Note that this will require you to have replacement mounts on hand (which we sell), which will allow you to transfer the film from an older, possibly dirty one to a fresh, new mount.

HAMA AIR DUSTER

Hama's pocket air duster is disposable once used. It is a very economical way of cleaning your photographic film or equipment. The 400ml can comes with a small tube for hard to reach places and is incredibly inexpensive, working out at less than one-third of the price when compared to the brand-leader, Kenro.

KENRO AIR DUSTER

Kenro's professional air duster is ozone eco-friendly and can clean film and reach those difficult areas under a camera or enlarging lens. Kenro also makes refills available, and a different attachment turns their air can flow into a vacuum when blowing dust is impractical.

TETENAL CLEANING CLOTHS AND SPRAYS

Tetenal Film Cleaner spray, complete with one of their Anti-Static cloths, is to be recommended for the removal of fingerprints, grease and static from photographic film. This 400ml spray can is an economical way to keep your negatives in a tip-top condition before printing.

Tetenal tends to produce larger and longer-lasting cloths than other brands

FOTOSPEED FC50 FILM CLEANER

Fotospeed FC50 is a liquid film cleaner suitable for all emulsions. It will remove greasy finger marks leaving the film free of dust and less likely to attract dust. Apply with an anti-static soft cloth and allow to dry for 30 seconds. Supplied in a 125ml can. It's our suggestion for a low-cost film cleaner alternative to PEC-12 and it works equally well.

PEC-12 FILM CLEANER

Not only does PEC-12 routinely save many of your most valuable images, but it is the ONLY archival cleaner available. PEC-12 is a non-water based photographic film and print cleaner which removes virtually all non-water based stains from colour and B&W slides, negatives and prints.

PEC-12 also can remove grease, pencil, adhesive residue, finger oils, ball-point pen, fungus, smoke & soot damage, laser separation oil and most permanent inks. Containing no water, PEC-12 dries instantly with no emulsion swelling and leaves no residue.

The 2 oz (59ml) bottle contains a dropper which enables a precise application to the smallest of emulsion surface thereby dispensing with waste that often occurs when using a spray applicator.

FILM CLEANING

Code	Brand	Product	Description	Ex VAT	Inc VAT
19139	Calotherm	Anti-static Cleaning Cloth, Calocloth	Microfibre for all lenses, washable, 8x6in	£2.49	£2.99
25026	Dust-Off	Monitor Wipes	80 wipes, antisatsic and smear free	£6.41	£7.69
19123	Fotospeed	FC50 Film Cleaner Liquid, 125ml	Removes grease and fingerprints from all film emulsions	£8.33	£9.99
25869	Giottos	Lens Cleaning Blower, Rocket Air 1900	The ultimate blower brush alternative	£10.83	£12.99
25074	Hama	Air Duster, 400ml	Our lowest-priced can of air	£3.49	£4.19
25080	Hama	Anti-static Cleaning Cloth, 5904	Microfibre 6 x 6in in protective box	£3.58	£4.29
26163	Hama	Anti-static Universal Cleaning Cloth	Size 20 x 20cm	£3.58	£4.29
25037	Kaiser	Gloves, Lint Free, Size L, 1 pair, K6365	Non static, single pair large size (12)	£6.49	£7.79
25081	Kaiser	Lens Cleaning Blower Brush, Wide Negative	With 1in wide brush	£8.33	£9.99
25065	Kenro	Aerosol, Dust-Vac	Converts any Kenro or Jessops air cans to become a vacuum	£7.91	£9.49
25070	Kenro	Aerosol Kenair Master Kit, 360ml	Can of air and valve	£27.49	£32.99
25071	Kenro	Aerosol Replacement Refill, 360ml		£16.66	£19.99
64002	PEC	12 Photographic Film Cleaner, 2 oz bottle	Cleans your film of grease, pencil, ball-point pen & mildew marks	£10.83	£12.99
19130	Tetenal	Anti-static Spray, 400ml	Removes static build-up	£14.58	£17.49
19133	Tetenal	Anti-static Cleaning Cloth, Microfibre, Optical	For all lenses, washable, 8x10in	£5.83	£6.99
19142	Tetenal	Anti-static Cleaning Cloth, Premium	11.5 x 12in	£5.83	£6.99
19143	Tetenal	Cleaning Cloth, Soft	12 x 13.8in	£5.41	£6.49

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FILM STORAGE

Once a picture has been taken on film, it is advisable to find a safe manner of filing the negatives or slides. Not only is it a good idea to logically lay out your collections for printing and sharing purposes, you often find that without correct storage your films will get scratched or marked. Protect all your negatives and slides in film-safe sleeves. Archival sleeves are best because over a period the emulsions will not degrade during storage. There are two types that we sell. The oldest form is acid-free paper sleeves from Kenro and MACO or clear polypropylene sleeves from ClearFile. Sold in the form of pages, they all fit the ClearFile four-ring binders which are ideal for storing and filing. The ClearFile ones can be used directly when making contact proof sheets, and a file with pages of sleeved negatives and corresponding contact sheets is an excellent filing system that we recommend for most students and analogue photographers.

CLEARFILE ARCHIVAL PLUS NEGATIVE STORAGE

ClearFile Archival Plus Negative pages are our best-selling brand. Clearfile make them from a specially formulated polypropylene for the safe long-term protection of your valuable 35mm negatives. Archival Plus Negative pages feature incredible crystal clear clarity and are manufactured in a more substantial thickness than flimsier alternatives, resulting in improved durability.

ClearFile Archival pages feature "rip-resistant" seals, a stitched sealing method that allows each seal to work independently to resist tearing, unlike straight-line seals that continue to separate entirely once the rip begins. A stitched seal also provides greater airflow between pockets to protect against ferrotyping, moisture and mildew. Most pages have new pan-European/US 7-ring holes and fit standard 4-ring binders.

All ClearFile negative pages offer:
- High Clarity 4 mic Polypropylene
- Archival Safe
- Acid-Free
- No PVC
- PAT Passed
- 25 or 100 per pack

All ClearFile Negative Pages are just £10.99 inc VAT for 25 sheets
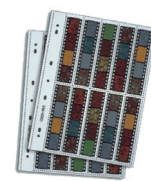
10B Page
Holds forty 35mm negatives, 10 strips of 4 frames. Only fits oversized ring binders like Luxury range

11B Page
Holds twenty four 35mm negatives, 6 strips of 4 frames

12B Page
Holds thirty five 35mm negatives, 7 strips of 5 frames

13B Page
Holds thirty six 35mm negatives, 6 strips of 6 frames

14B Page
Holds forty two 35mm negatives, 7 strips of 6 frames
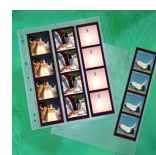
15B Page
Holds twelve 6 x 6cm frames of 120 film, 3 strips vertically, top loading
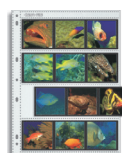
16B Page
Holds twelve 6 x 6cm frames of 120 film, 4 strips horizontally

17B Page
Holds twelve 6 x 7cm frames of 120 film, 4 strips horizontally

34B Page
Holds four 4 x 5" negatives or trans. of 120 film

Please Note: Some imported items are suffering fluctuating stock levels. For certainty check before ordering.

MACO PAPER NEGATIVE STORAGE

An economical and practical method of storing negatives and contact proof pages is to buy a paper (glassine) type of storage sheet.

Our new offerings from MACO, are almost 1/3 of the price compared to our brand-leading Kenro range.

They make their negative sleeves from finely-ground pulp paper which is largely greaseproof but has a low wet strength. The high level of transparency is achieved by a special mechanical treatment called calendaring. Acid- and lignin-free they are suitable for long term negative storage.

Each pack, in the four available sizes, come in money-saving packs of 100 sheets.

KENRO PAPER NEGATIVE STORAGE

Kenro manufactures these paper negative storage pages from Acid-Free Translucent Paper – Pergamyn. Available in 35mm or 120 formats, each page holds seven strips of 6 full frame 35mm negatives or 12 medium format type. The pages are side loaded, and the strip positions are overprinted to help with quick loading. The binding is multi-punched and is compatible with most types of ring binder. We recommend either the Kenro Photo Storage binder or ClearFile binders which are 'oversized' A4 and they are designed for use with these pages with the extra width required.
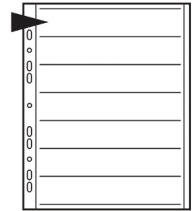
CLEARFILE ARCHIVAL PLUS SLIDE PAGES

The ClearFile Archival Plus range also includes slide film storage which offers the safe long-term protection of your valuable photographic slides. These Archival Plus Slide pages feature incredible crystal clear clarity and are manufactured in a heavier thickness than flimsier alternatives which results in improved durability and presentation.

When used with filing bars from Kenro, the 22B can be hung in any standard A4 or foolscap filing cabinet. Choose between plastic or metal bars depending on your system. Of course, if you just want to store your pages in ring-binders you'll find they fit all US 7-ring hole and European standard 4-ring binders.

All ClearFile slide pages offer:
- High Clarity 6 mil Polypropylene
- Archival Safe
- Acid Free
- No PVC
- PAT Passed
- 25 or 100 per pack

21B PAGE
Top Loading, holds twenty 35mm Mounted Transparencies

22B PAGE
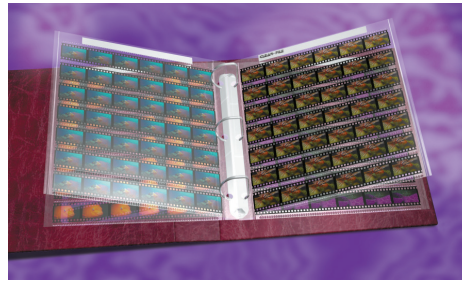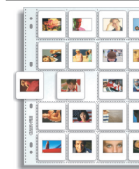Side Loading, holds twenty slides, can be used in filing cabinet

23B PAGE
Top-Loading, holds twelve 120mm, Unmounted Transparencies

AP SLIDE STORAGE CASE

This inexpensive case holds your slides in five columns with up to 40 slides in each tray. You get the option to break up these groups with fifteen dividers that can be inserted at any point of the trays in the case.

The index card shown in the picture is no longer printed by AP in the pack but it's a simple job to print your own if needed.

SLIDE AND NEGATIVE STORAGE

Code	Brand	Product		Ex VAT	Inc VAT
25252	AP	Projector Slide Storage Case - holds 200	Plastic with clear lid, 200 slides in compartments	£8.33	£9.99
43010	Clearfile	10B Negative Pages 35mm Archival Plus Pack of 25	Holds forty 35mm negatives, 10 strips of 4 frames	£9.16	£10.99
43011	Clearfile	11B Negative Pages 35mm Archival Plus Pack of 25	Holds twenty four 35mm negatives, 6 strips of 4 frames	£9.16	£10.99
43012	Clearfile	12B Negative Pages 35mm Archival Plus Pack of 25	Holds thirty five 35mm negatives, 7 strips of 5 frames	£9.16	£10.99
43013	Clearfile	13B Negative Pages 35mm Archival Plus Pack of 25	Holds thirty six 35mm negatives, 6 strips of 6 frames	£9.16	£10.99
43014	Clearfile	14B Negative Pages 35mm Archival Plus Pack of 25	Holds forty two 35mm negatives, 7 strips of 6 frames	£9.16	£10.99
43019	Clearfile	14B Negative Pages 35mm Archival Plus Pack of 100	Holds forty two 35mm negatives, 7 strips of 6 frames	£24.99	£29.99
43015	Clearfile	15B Negative Pages 6x6cm Archival Plus Pack of 25	Holds twelve 6 x 6cm frames of 120 film, 3 strips vertically, top loading	£9.16	£10.99
43016	Clearfile	16B Negative Pages 6x6cm Archival Plus Pack of 25	Holds twelve 6 x 6cm frames of 120 film, 4 strips horizontally	£9.16	£10.99
43031	Clearfile	16B Negative Pages 6x6cm Archival Plus Pack of 100	Holds twelve 6 x 6cm frames of 120 film, 4 strips horizontally	£24.99	£29.99
43017	Clearfile	17B Negative Pages 6x7cm Archival Plus Pack of 25	Holds twelve 6 x 7cm frames of 120 film, 4 strips horizontally	£5.83	£6.99
43030	Clearfile	17B Negative Pages 6x7cm Archival Plus Pack of 100	Holds twelve 6 x 7cm frames of 120 film, 4 strips horizontally	£24.99	£29.99
43018	Clearfile	34B Negative Pages 4x5in Archival Plus (25)	Holds four 4 x 5 inch negatives or transparencies of 120 film	£9.16	£10.99
43021	Clearfile	21B Slide Pages 35mm Archival Plus Pack of 25	Top Loading, holds twenty 35mm Mounted Transparencies	£9.16	£10.99
43022	Clearfile	22B Slide Pages 35mm Archival Plus Pack of 25	Side Loading, holds 20 slides, can be used in filing cabinet	£9.16	£10.99
43081	Kenro	Filing Cabinet Bars, A4, Metal, Pack of 10	10 bars for 22B	£6.67	£8.00
43023	Clearfile	23B Slide Pages 6x6cm Archival Plus Pack of 25	12 top-loading, 120mm, 25s, unmounted	£9.16	£10.99
25213	Kenro	Negative Pages, Print Thru Acetate, 35mm, 25 sheets	Transparent, 6 frame strips, 7 strips per page	£13.25	£15.90
25214	Kenro	Negative Pages, Print Thru Acetate, 6 x 6cm, 25 sheets	Fits one roll of 120 film, 6x6, 6x7, 6x4.5 or 6x9 cm	£13.25	£15.90
26449	Kenro	Negative Pages, Paper, 35mm, 25 sheets	Translucent, 6 frame strips, 7 strips per page	£6.08	£7.29
26452	Kenro	Negative Pages, Paper, 6 x 6cm, 25 sheets	Holds a complete roll of 120 film, 6x6, 6x7, 6x4.5 or 6x9 cm	£6.08	£7.29
26427	MACO	Negative Pages, Paper (glassine), 35mm, 100 sheets	Translucent, 6 frame strips, 7 strips per page	£18.33	£22.00
26428	MACO	Negative Pages, Paper (glassine), 6 x 6 or 6 x 7cm, 100 sheets	Translucent, 3 frame strips, 4 strips per page	£18.33	£22.00
26429	MACO	Negative Pages, Paper (glassine), 4 x 5 inch, 100 sheets	Translucent, 4 negatives per page	£29.83	£35.79
26430	MACO	Negative Pages, Paper (glassine), 8 x 10 inch, 100 sheets	Translucent, 1 negative per page	£20.24	£24.29

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BINDERS FOR FILM STORAGE

CLEARFILE PADDED STORAGE SHEET BINDER

A loose-leaf file holds prints, slides and negatives. Clearfile's 11 x 13-inch 4-ring file is ideal option because using a 4-ring binder, your storage system is completely flexible, allowing you to move pages from album to album and around at will. So even if your requirements are modest, to begin with, you can have the confidence of knowing that the system will grow with you and your photography.

This attractive and padded leather-look album is manufactured in England from quality materials and offers a prestigious means of photographic storage. The classic design of this album includes generous padding for a unique, luxurious appeal and gold embossing.

It comfortably accommodate most ClearFile archival page formats and holds approximately 50-75 sheets.The same album, only non-padded, is also available - but only in black.

CLEARFILE ULTIMATE PORTFOLIO ARCHIVE STORAGE BOX

Clearfile's Ultimate Archival Portfolio Box Binder has three (international use) 2.5 inch D-rings made to accommodate oversized and standard-sized negative, slide, print and album pages, and even CD.DVD storage pages.
They make the exterior of the box from 0.098 heavyweight book-binder board and black buckram-textured acrylic-coated book cloth. It is even lined on the inside with white acid- and lignin-free buffered cardstock, which makes it the ultimate long-time storage box for all your analogue and digital materials. Being three inches deep, and a V-cut in the lid for easy opening, it will hold 125 negative, 85 print, 45 slide or 25 CD/DVD pages.

- Portfolio box and D-ring album all-in-one
- White acid-free and lignin-free buffered cardstock interior lining
- 098 heavyweight bookbinder board
- Black buckram exterior
- Neutral Ph adhesives a lignin-free box construction
- Ph 8.0 to 9.0
- Passes PAT - completely archival
- 3-inch depth
- 2-1/2inch silver D-rings
- Dimensions: 12-1/4 W x 13-5/8 H x 3 D inches

BINDERS FOR FILM STORAGE

Keeping your pages stored logically is the perfect way to find negatives or slides when you want to print or view them. We offer two sorts of binder – budget or luxury.
The ClearFile Standard Binder, at only £7.99 inc VAT, is our best seller. This black budget binder has four rings and is suitable for all negative, print or slide pages from ClearFile. Although not supplied with them, each binder will hold four packs of 25 negative pages and 2/3 packs of the equivalent slide or print versions. They are also a real low-cost option for the student photographer.

BESELER BESFILE STORAGE BOX

Beseler's fully enclosed archival box and binder is a cheaper alternative to the Clearfile one, but it will also store your slide, negative, CD/DVD and print pages with the secure knowledge that they will stay clean and safe.
Beseler makes these new sleek boxes from solid archival quality polypropylene that are acid-free and contain no PVC to degrade your images. They will hold most PRINT pages from Clearfile and Printfile and include three rings that will store European or US-designed sheets.
The 2-inch box has snap-tight latches to keep dirt, dust and moisture out and will hold 50 pages of negatives or prints or 25 pages for just slides (that's 500 slides).
The flexible spine-creases and general design enable unimpeded access, and manipulation of pages on and off the rings and the rings are partially straight on one side, which allows pages to lay better and turn better without crunching or extra strain on slides near the spine.

- Safely preserve your slides photographs, slides and negatives in these virtually dust and waterproof binders
- Grey or Black with 1inch metal rings
- Dimensions Outside: 12-1/8 x 10-5/8 x 2 inches (30.4 x 26.7 x 5cm)
- Dimensions Inside: 11.75 x 10.25 x 1-7/8 inches (29 x 26 x 5cm)

Being so inexpensive, we recommend that every student should have one to store their portfolio of negatives and prints.

Please note:
NOT suitable for use with any Kenro or MACO negative storage pages.
In the Clearfile range, 12B for 35mm, 15B for 120 and 34B for 4x5 in the negative range and Clearfile 21B for slide users ARE all suitable.

BINDERS AND BOXES					
Code	**Brand**	**Product**		**Ex VAT**	**Inc VAT**
26143	Beseler	Besfile Archival Storage Binder Box (Black)	Black, with 3 rings to store negs, slide, CD or print pages	£20.83	**£24.99**
26144	Beseler	Besfile Archival Storage Binder Box (Grey)	Grey, with 3 rings to store negs, slide, CD or print pages	£20.83	**£24.99**
43085	Clearfile	Storage Sheet Binder 4 Ring, 85, Blue padded	Takes all sheets	£12.49	**£14.99**
43088	Clearfile	Storage Sheet Binder 4 Ring, 84 Black non-padded	Budget binder that takes all sheets	£7.49	**£8.99**
43089	Clearfile	Ultimate Portfolio Archive Storage Box, 3 Ring, Black	The log term storage soltion for any analogue photographer	£45.83	**£54.99**
17006	Kenro	Storage Sheet Binder 4 Ring, Black	Holds 30 pages	£11.42	**£13.70**
17007	Kenro	Slipcase and Ringbinder, 4 Ring, Black	Holds 30 pages	£18.25	**£21.90**

Please Note: Some imported items are suffering fluctuating stock levels. For certainty check before ordering.

FILM SCANNERS

If you're a film user, there is a reason to buy a standalone film scanner rather than just a print scanner that will also digitise film. In one word, it is – quality. Film scanners work at a much higher scan resolution and consequently take longer to scan each image (this can be a negative). Also, you'll find they tend to be more expensive than their photo counterparts.

REFLECTA PROSCAN 10T FILM SCANNER

With a resolution of 10.000 dpi, a dynamic range of 3.9 Dmax and a speedy scanning time of 7 Min. for a colour scan with 10.000 dpi and 24 Bit colour depth, the Reflecta ProScan 10T is our top recommendation in the average price field for film scanners.

The high scanning speed and the hardware-based dust and scratch removal system, plus Magic Touch, contribute to making it a useful working tool.

- 10,000 dpi, 48 bit colour depth
- Linea Colour CCD
- USB 2.0 • 1.4 k
- Dynamic range 3.9 Dmax
- Manual loading for slide or film strip
- Filmer holders for 4 mounted slides or 6 unmounted strip
- Cyberview Scansoftware
- Adobe Photoshop Elements 12
- PC/MAC compatible (up to Windows 8, Mac Yosemite 10.10.x)

**PLEASE NOTE
A NEW VERSION IS DUE
LATER IN 2023**

BASIC 35MM FILM SCANNING KIT

Our Basic 35mm Film Scanning Kit is the perfect collection for scanning strips or full rolls of 35mm film quickly, easily, and affordably whether you're at home, school or in the studio!
It also makes an excellent gift for any photographer who works with film photography and wants to digitize their image collections. You can even download a FREE 35-page Quickstart Guide to Scanning from Negative Supply to get you started once purchased.
We've included everything needed to get you off to a "scanning flying start" - copystand to hold your camera, scanning unit for your film and light source for perfect illumination.

- Scan strips or rolls of 35mm film
- Scan full rolls in 2 minutes or less
- Keeps film perfectly flat for sharp scans
- Great starting point for the Negative Supply system
- Includes Copystand 500 and 4x5 Light Source Basic

INCLUDES:
- Negative Supply Basic Film Carrier 35 (12175)
- Negative Supply Basic Scanning Light Source 4 x 5" 95 CRI (12165)
- Firstcall Copystand 500 (25264)

Buying the kit saves you £34 off our regular component pricing

NEGATIVE SUPPLY BASIC 120 FILM SCANNING UNIT

The Basic Film Carrier 120, is the perfect tool for scanning cut strips or full rolls of 120 film quickly, easily, and affordably whether you're at home, on the go, or in the studio!

new

It is essentially a simplified Film Carrier 120 that features a carbon fibre composite housing with a tolex-wrapped exterior, while also employing a magnetic hinge mechanism. This mechanism keeps your film perfectly flat and allows you to scan a full-length roll of film in as fast as 60 seconds. It is the perfect starting point for photographers of all skill levels to scan medium format film.

Utilizing a digital camera you can create beautiful film scans with this device.

Features at a glance
- Scan cut strips or full rolls of 120 film
- Scans up to 6x9cm film in a single capture
- Scan full image area
- Scan 6x12cm or larger film in 2 captures to quickly scan panoramic formats
- Scan full rolls in 60 seconds or less
- Keeps film perfectly flat for sharp scans
- An affordable starting point for the Negative Supply film scanning system
- Works well with the Basic Riser MK1 or MK2 and 4x5 Light Source Basic

See our Negative Supply page for pricing and accessories to go with the unit like copystands, lights and mount.

PLUSTEK OPTICFILM 8100

The OpticFilm 8100 is a 7200 dpi film scanner, capable of scanning 35 mm slides and negatives, which will turn a 35mm slide into an A1 poster! The optical resolution equates to a 68 million pixel digital camera.

- 7200 x 7200 dpi, 48 bit colour depth
- Colour CCD
- USB 2.0
- Dynamic range 3.6 D
- 64-bit hardware & software support
- Scan mode single pass
- Slide holder up to 4 slides
- 35mm filmstrip, holding up to 6 frames
- PC/MAC compatible

REFLECTA X33-SCAN FILM SCANNER

This 5-inch screen model uses a high-resolution CMOS 15.3MP sensor to create the digital image at a high-resolution of 4608 x 3072 Pixels which makes it much faster than its contemporaries. We recommend it as the best value for money/quality output ration model currently available.

- Two film holders - 35mm, 35mm mounted colour slides.
- Record onto an SD card (not included)
- 5-inch screen
- Colour Balance is automatic
- 4608 x 3072 pixel resolution
- Rechargeable battery lasts 2 ½ hours.
- USB2.0 and cable to connect the unit to the TV.

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PLUSTEK OPTICFILM 8200I AI

The OpticFilm 8200 Ai is Plustek's top 7200 dpi 35mm film scanner capable of scanning 35 mm slides and negatives. It is the same scanner as the base model but has a better dynamic range and includes the more advanced SilverFast AI Studio MEX software.

There is also a "lite" version of the 8200 Ai called SE. The SilverFast Ai Studio version has a much broader scope of functions than the SE Plus version. With this, you have more reach with colour adjustments and filters to get the result you prefer from scanning the film. There is no IT-8 colour calibration with the SE either.

- 7200 x 7200 dpi, 48-bit colour depth
- 64-bit hardware and software support
- Enhanced with Multi-Exposure Function for quality image
- HDRi   • Infrared Smart Removal of Defects
- Auto IT8 Calibration   • Expert Mode
- 16bit Histogram   • Job Manager
- USB High Speed 2.0 connection
- Slide film holder provided (for four mounted slides)
- Negative film holder provided (for a strip of 6 negatives)
- PC and MAC compatible

REFLECTA FILM SCANNER FOR SUPER 8 AND NORMAL 8

It has never been easier to digitise and save old film treasures with Reflecta's film scanner. Select between Regular 8 and Super 8, load the film into the scanner and start it. The film is scanned frame by frame at a rate of two images per second and is written as an MP4 video in HD quality directly onto an SD card.
No computer is needed! You can play the digitised film on all smartphones, tablets or PCs. Reflecta Film Scanner Super 8 - Normal 8 can also be connected directly to a TV to playback the movies.

Product Features
- Film Type: Super 8 and Regular 8 - max. reel size 5 inch (12,7 cm)
- Image Sensor: 3.53 Megapixels (2304 x 1536) 1/3"" CMOS
- Resolution: 1440 x 1080 p @ 20fps (MP4)
- Image Area: adjustable in x-, y- and z-axis
- Exposure control: Auto/Manual (-2.0 to 2.0)
- Scanning Speed: 2 frames per second - ca. 30 minutes for a reel of 15 meters
- External Memory: SD/SDHC cards with up to 32 GB (not included)
- Display: 2,4 inch (6,1 cm) LCD
- Light Source: LED
- PC Interface: USB 2.0 (for data transfer)
- TV-Out: NTSC / PAL
- Film Format: MP4
- No possibility to capture audio

REFLECTA X66 SCAN FILM SCANNER

The reflecta x66-Scan multi-format scanner enables high-quality digitization of various film formats from the different epochs of photography with just one device. In addition to the popular 35mm slides and negatives, you can scan most medium format films such as 4x4 cm (type 127) and 120 from 6x4.5 cm to 6x9 cm.

In addition, it is possible to output the monitor image to, e.g. an LCD TV via the HDMI output.
The x66-Scan digitizes an image in less than two seconds with a resolution of up to 22 megapixels and saves it directly as a JPEG file on an SD card. As a stand-alone device, the scanner is entirely independent of computers.

- Image Sensor: 1/2.33" CMOS (14 Megapixels)
- Resolution: 4584 x 3056 Pixels (14 MP) or 5748 x 3832 pixels (22 MP interpol.)
- Display: 4,3 inch (10,9 cm) IPS LCD
- Color correction: Automatic or manual
- Film Types: Positive (Slides), Negative, Black & White (Type 120, 135, 127, optional 126)
- External Memory: SD cards with up to 128 GB
- Power Supply: Adaptor 5V / 1A (Mini-USB)
- Data Interface: USB 2.0
- Additional Interface: Video-Out: HDMI-A
- Dimensions: 177 x 118 x 192 mm (L x W x H)
- Weight: 580 g

REFLECTA COMBO ALBUM SCAN PHOTO SCANNER

With the Reflecta Combo Album Scan, you can digitise slides, negatives and photos in the wink of an eye.
The "open at the bottom design" and the integrated illumination can also quickly scan images from books, and we particularly like the idea of being able to scan prints (already stuck) in a picture album without having to remove them.
A CMOS-sensor with 14 megapixels provides the highest image quality and allows short scan times of less than two seconds. The scanner has a 6 cm LC display, an integrated SD/SDHC card slot and a lithium-ion battery. As a standalone device, it is entirely independent of a PC or power supply.

- Film Types: Film strips and 5x5 slides – Positive, Negative (135, optional 110 und 126)
- Photo formats: up to 94 x 141 mm
- Resolution film scan: 4416 x 2944 pixels
- Image sensor: CMOS (14 megapixels)
- Dynamic range: 3.0 Dmax
- 4 inch TFT-LC display: Preview function
- Ilumination: 24 + 3 white LEDs
- Exposure control: Automatic and manual
- Card slot: SD / SDHC up to 32 GB
- Scan speed: approx. 2 seconds per image
- Interface for data transfer: USB 2.0

FILM SCANNERS

Code	Brand	Product	Description	Ex VAT	Inc VAT
12181	Firstcall	Basic 35mm Film Scanning Kit	Complete kit to scan strips or rolls of 35mm film in two minutes or less	£249.17	£299.00
26503	Kenro	4-in-1 Film & Photo Scanner	Digitally converts photos, slides, negatives and business cards to digital images, allowing you to breathe new life into old images	£90.83	£109.00
24231	Plustek	OpticFilm 8100 Film Scanner	7200 dpi, 48 bit colour depth	£224.17	£269.00
24232	Plustek	OpticFilm 8200i SE Film Scanner	7200 dpi, 48 bit colour depth, HDRi, Infrared Smart Removal of Defects	£265.83	£319.00
24233	Plustek	OpticFilm 8200i Ai Film Scanner	7200 dpi, 48 bit colour depth, HDRi, iSRD, Expert Mode, 16bit Histogram	£399.17	£479.00
24230	Reflecta	Combo Album Scan Photo Scanner	Digitise slides, film, photos and books using this clever scanner	£132.50	£159.00
24237	Reflecta	ProScan 10T Film Scanner	New model due 2023. Top quality film scanner	£440.83	£529.00
24238	Reflecta	x33-Scan Film Scanner	4608 x 3072 pixels, USB 2.0 standalone scanner for 35mm slides and negatives, 5 inch screen	£124.17	£149.00
24239	Reflecta	Film Scanner Super 8 and Normal 8	Scan either format as MP4 video in HD quality directly onto an SD card.	£332.50	£399.00
24241	Reflecta	x66 Scan Film Scanner	Enables high-quality digitization of various film formats up to 120	£190.83	£229.00

Please Note: Some imported items are suffering fluctuating stock levels. For certainty check before ordering.

NEGATIVE SUPPLY FILM SCANNERS

A sustainable future in film photography relies on reliable, accessible, and easy to use scanning options. For many years, film scanning involved buying an electronic scanner and hoping the lens resolution and software met your expectations.

If you are a photographer who is serious about converting their film into a digital image. Negative Supply has created a set of tools for film photographers who want to spend more time photographing, and less time scanning. These tools are modular, allowing you to digitize negatives and positives using your digital camera and a macro lens in as little as 5 minutes.

Hand-made in California, Firstcall is proud to carry this fall artisan brand in the UK. In the next couple of pages, we explain more about their modular system.

The Negative Supply system consists of four parts. You need a film carrier to hold the film strip, a light source to illuminate the film from below and a copystand holder (or riser) for your digital camera to align correctly with the carrier. The fourth part is an optional mount for your carrier so that it sits correctly above the worksurface or light.

FILM CARRIER MK1 & PRO FILM CARRIER FOR 35MM

Speed up scanning time by capturing entire rolls and advance between frames with a high-quality stainless-steel drive mechanism. Each frame can be precisely centered while capturing them quickly and efficiently.
Negative Supply's precision design utilizes smooth running bearings to provide smooth and even pressure, while silicone tensioners hold the guide wheels securely in place without damaging delicate film stocks. The new Pro Film Carrier 35mm builds on the original MK1 by scanning all three 35mm formats of film - full frame, half frame and panoramic.

new

PRO MOUNT MK2

Designed to partner seamlessly with the Film Carrier MK1 or Pro Film Carrier 35mm units, the Pro Mount MK2 offers safely and efficiently attaches to the Pro Mount MK2.

It provides added weight and widens the unit's footprint, adding stability to the scanning process. Also included are levelling feet to guarantee a level plane for scanning and anti-static dust removing brush that securely attaches to the Mount, in line with the film gate of the Film Carrier MK1. Unwanted debris will be automatically removed from your film BEFORE scanning, saving you time and energy.

FILM CARRIER 120 FOR MEDIUM FORMAT

With the Film Carrier 120, you'll be able to scan entire rolls of 120 film (or cut strips) in as little as 2 minutes or less!

The same great design used in the 35mm Film Carrier MK1 & Pro Film Carrier 35mm units is used on the 120 version, including a machined aluminium housing, precision drive rollers made in house, and custom guide rails. There are also crucial improvements to allow for a flat film with a magnetically locking clamp mechanism, essential for scanning medium format film.

The Film Carrier 120 has the flexibility to support the varying aspect ratios available in 120 and 220 film. From 6x4.5 to 6x9 film, the Film Carrier 120 can handle it all with ease and provides full-frame scans with a thin black border. Unfortunately, you cannot scan 35mm film strips in the unit.

PRO RISER MK2

The Pro Riser MK2 is a professional copystand that allows you to correctly position your camera for use with the Pro Mount MK2.
With a precision lead screw for height adjustment and all-metal construction, the Pro Riser MK2 provides a stable platform for your camera during film digitisation.

Features include:
• All-metal knobs to match the 35mm and 120 film carriers
• Arca style front rail
• Levelling feet for an uneven desk surface
• All-metal top and base plates for added rigidity

Designed to alaign with your scanning unit, the Pro Riser MK2 adds ease and stability to your camera scanning outfit, all while retaining a small footprint.

Film | Film Chemicals | Film Cleaning | Film Storage | Film Scanners | Film Developing Tanks | Film Processing Accessories | Film Washing and Drying | Slide Viewers and Accessories | Index

LIGHT SOURCE BASIC

Good scans start with great light. With their high CRI and brighter bulbs, the Negative Supply Light Source options make scanning film with a digital camera smooth and straight forward. Additionally, with an aluminium frame and high-end components, it fits within the Negative Supply design ethos.

The entry-level model comes with side diffusion, up to 4x5-inch scanning, 95 CRI or 99 CRI (with direct diffusion). They slide under their Pro Mounts MK1 & MK2, Film Carriers MK1, Pro 35mm or 120 system: Fibre reinforced plastic and aluminium build.

LIGHT SOURCE PRO

The superb, Pro light source is one size for up to 5 x 7 inches but although larger are still designed to sit under their Negative Supply scanning units. It offers more precise and truer to life colours when capturing E6 or negative film.
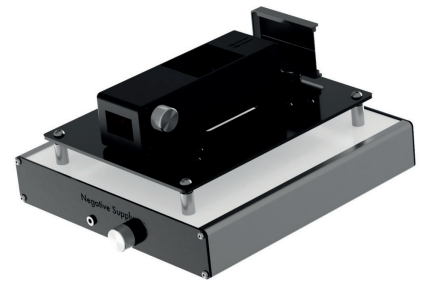
The Pro advanced model comes with direct diffusion, for film size up to 5x7 and being 99 CRI is brigher than the basic model. It also comes with Pro Mount plate for stable mounting, and aluminium build. It also sits under the Pro Mounts MK1 & MK2, Film Carriers MK1, Pro 35mm or the 120 system. You may want a film carrier hood for relaxed viewing with this unit.

Light Source Pro is up to 9.5x brighter than many competing options.

DON'T FORGET THE ACCESSORIES

new

We don't just stock the hardware to make up your modular Negative Supply system but many accessories too. So that when you buy from us you can customize your purchase at the time or in the future. We stock hoods, film holders, scanning guides and mounted slide holders from our UK stock and can obtain anything else to order from the USA.

The slide holder Easily and quickly capture mounted slides using your Pro Mount MK2 as a sturdy and secure base.

SAVE 10%

Order three or more NS units from the list opposite and we'll give you a 10% discount for investing in this superb scanning system.

The guides let you scan with full borders (including sprockets) using this insert set for your Film Carrier MK1. There are also additional accessories for the Pro Film 35mm Carrier including the Full Border Cassette and adaptor plates for the light and pro mount.

NS BASIC RANGE — QUALITY WITHOUT THE PRICE

We know this year is going to be challenging financially for a lot of our customers. It's worth mentioning therefore that Negative Supply produce a basic range of scanners, risers and lights that allow you to produce a basic system at a fraction of the price of the normal range.

There is a choice of 35mm or 120 scanning units with the only major omission from the main range being that they lack the "wheel transport" system but in all other respects, including accepting accessories, they're definitely worth considering.
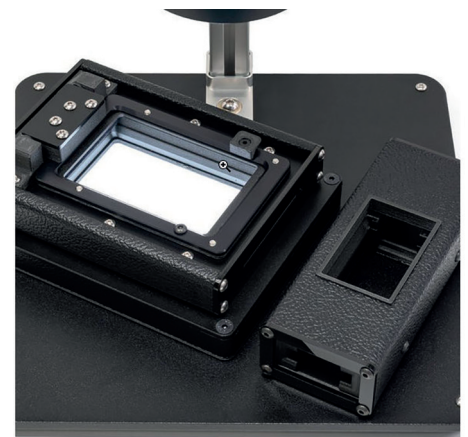
NEGATIVE SUPPLY SCANNING SYSTEM

Code	Product	Description	Ex VAT	IncVAT
12175	Basic Film Carrier 35mm Scanning Unit	Scan strips or rolls of 35mm film in two minutes or less	£74.17	**£89.00**
12182	Basic Film Carrier 35mm Scanning Hood	Mounts onto your Basic Film Carrier reduces glare when scanning	£25.00	**£30.00**
12185	Basic Film Carrier 35mm Stabilizing Mask	Offers stability and masks extraneous light when scanning your film.	£16.67	**£20.00**
12178	Basic Film Carrier 120 Scanning Unit	Scan strips or rolls of 120 film in two minutes or less	£165.83	**£199.00**
12187	Basic Riser Mini	Basic copy stand for film scanning	£149.17	**£179.00**
12179	Basic Riser MK2 c/w Alumunium Base	Annodised metel entry level copy stand for camera scanning	£179.17	**£215.00**
12184	Complete Basic Kit for 35mm and 120 Film Scanning (95CRI)	Includes everything you need to scan the most popular film formats.	£540.83	**£649.00**
12183	Complete Basic Kit for 35mm and 120 Film Scanning (99CRI)	Includes everything you need to scan the most popular film formats.	£749.17	**£899.00**
12160	Film Carrier MK1 35mm Scanning Unit	Speed up scanning time by capturing entire rolls and advance between frames with a high quality stainless steel drive mechanism	£299.17	**£359.00**
12162	Film Carrier MK1 + Pro Mount MK2 Digitization Kit	The combined package for professional scanning, saves £27	£449.17	**£539.00**
12173	Film Carrier 35MD Full System	Automated advancing mechanism for speeding up your workflow,	£624.17	**£749.00**
12168	Film Carrier 35mm Hood	Mounts onto your Film Carrier MK1and reduces glare when scanning	£63.33	**£76.00**
12172	Film Carrier MK1 Full Border Scanning Guides	Scan with full borders (including sprockets) using this insert set for your Film Carrier MK1.	£49.17	**£59.00**
12186	Pro Film Carrier 35 Scanning Unit	Speed up scanning time by capturing entire rolls and advancing between frames.	£374.17	**£449.00**
12190	Pro Film Carrier 35 Full Border Cassette	This adapter plate will allow you to mount your Film Carrier MK1 or Film Carrier 35MD to the 4 x 5 Basic Light	£69.17	**£83.00**
12189	Pro Film Carrier 35mm Adapter Plate for 4 x 5 BLS	This adapter plate will allow you to mount your Film Carrier MK1 or Film Carrier 35MD to the 4 x 5 Basic Light	£25.83	**£31.00**
12188	Pro Film Carrier 35mm Adapter Plate for Pro Mount MK2	This adapter plate will allow you to mount your Film Carrier MK1 or Film Carrier 35MD to our Pro Mount MK2.Includes hex key	£51.67	**£62.00**
12164	Film Carrier and Pro Mount Accessory Kit	Three accessories in one kit. Mounted slide holder, 4x5 sheet film holder and full border scanning guides	£143.33	**£172.00**
12169	Mounted Slide Holder MK2	Easily and quickly capture mounted slides using your Pro Mount MK2 as a sturdy and secure base!	£61.67	**£74.00**
12161	Pro Mount MK2	To partner the MK1 or Pro Film Carrier 35. Stabilizes your workflow and reduces dust. Constructed from metal.	£266.67	**£320.00**
12163	Pro Riser MK2	A Copystand designed specifically for camera sanning with your MK1	£540.83	**£649.00**
12167	Film Carrier 120 Scanning Unit	Speed up scanning time by capturing entire rolls and advance between frames with a high quality stainless steel drive mechanism	£440.83	**£529.00**
12171	Film Carrier 120 Full Border Scanning Guide	Scan your 120 film with borders using this insert for Film Carrier 120	£63.33	**£76.00**
12170	4 x 5 Sheet Film Holder	An easy way that allows a digital camera to capture 4 x 5-inch film	£89.17	**£107.00**
12174	4 x 5 Sheet Film Holder c/w 2 sheets ANR Glass	Professional way that allows a digital camera to capture 4 x 5-inch film	£232.50	**£279.00**
12165	Scanning Light Source Basic 4"x 5" 95 CRI	Below scanner light source, side diffusion	£158.33	**£190.00**
12177	Scanning Light Source Basic 4"x 5" 99 CRI	Below scanner light source, direct diffusion	£266.67	**£320.00**
12166	Scanning Light Source Pro 5"x 7" 99 CRI	Below scanner light source, direct diffusion	£749.17	**£899.00**

Please Note: Some imported items are suffering fluctuating stock levels. For certainty check before ordering.

FILM DEVELOPMENT STARTER KITS

Taking your first steps into developing your own film can be a daunting one. Therefore, it is not surprising that the major film development tank makers want to simplify things for you by providing you with a kit that'll contain everything (or almost) that you'll enable you to process your first black and white film with a minimum of fuss. The payback for them, given these kits are heavily discounted, is that once you commit to their "system", you stick with them for your processing life.

PATERSON FILM DEVELOPING KIT

£57

Paterson introduces analogue photographers to their world with this inexpensive kit. Unlike other kits, it contains two 600ml measures allowing both the developer and fixer to be mixed before starting the process.

In this new kit you get:
- Universal Film Tank with 2 Reels
- Two 600ml Graduates
- One 150ml Graduate
- Thermometer
- Film Squeegee
- Set of 2 Film Clips
- Fully illustrated instructions included

BUNDLES TO GO WITH STARTER KITS

£31.50

These bundles contain film and the correct quantity of processing chemicals to give high-quality results. The FX-39 developer ensures the FP4 or HP5 is processed with sharp images and excellent detail contrast. It's also easy to use and is forgiving about underexposure. In addition, FX-39 allows the FP4 to be pushed to ISO 160 if required. The bundle contains:
- 3 X ILFORD FP4+ 125 ASA 135/36 or ILFORD HP5 400 ASA 135/36
- ADOX FX-39 TYPE II 100 ml conc.
- ADOX BABY ADOFIX Plus 100 ml conc.

This package also accompanies any Film Starter processing kit from Jobo and Paterson, making them complete and an economic beginning to your own processing. It also makes a one-stop purchase, saving you money if you want to do a little processing session.
For more usage information, please see the individual chemical pages.

new

new

PATERSON DELUXE FILM PROCESSING KIT

£70

This co-branded Ilford and Paterson starter kit contains everything* needed to process your first rolls of film. From a developer, stop bath, fixer and wetting agent to the perfect sized developing tank and measuring cylinders for processing two rolls of 35mm film at a time (or one 120 roll).
The technique to process your own film is simple and rewarding and made even easier thanks to Ilford Simplicity chemicals which are pre-measured for speed and ease of use. While these chemicals can easily be used in most developing tanks the measurements were based on the Paterson 2-reel Universal Film Development Tank contained in this kit making it the ideal pairing.

The kit contains:
1 x Ilford 35mm Film Cassette Opener, 1 x Ilford Simplicity Film Starter Pack (containing developer, stop bath, fixer and wetting agent), 1 x Paterson Universal Film Tank, 2 x Paterson Super System 4 Reels, 3 x Paterson 600ml Graduates, 1 x Paterson Thermometer, 1 x Paterson Stirrer, 2 x Paterson set of 2 film clips

*A darkroom, light tight space, or dark changing bag will be needed to load the film into tank.

ADOX STARTER DEVELOPING KIT

£40

Adox is our cheapest kit. It contains both the accessories AND chemicals needed to go straight from an unexposed film from your camera to the finished developed negatively in your hands. The kit allows you to process 35mm or medium format (120mm) film

The kit, although basic, contains the following items:
- a Paterson two film tank with two spirals
- a thermometer
- a Adox 25 ml Rodinal measuring cylinder
- a Adox 1000 ml measuring jug
- 100 ml of ADONAL film developer
- 100 ml of ADOFIX Fixer
- 50 ml of ADOFLO wetting agent
- an exposed film in order to practice with the film spooling process
- a comprehensive manual with many images explaining the film developing process

You can develop ten films with this kit before you need to reorder any chemistry.

FILM DEVELOPING TANKS

Processing your own film, particularly black-and-white, is far easier than most people imagine. More importantly, you have complete control over the results and thereby enforcing our view that this is real picture making.

At small expense, nearly any kind of roll or sheet film can be processed at a college or in the home. However, to always produce top-quality negatives or transparencies, you must know the proper developing procedures and follow them consistently.

To begin with, you'll need a Changing Bag and Developing Tank for developing film.

FIRSTCALL CHANGING BAG

If you are using light-sensitive film (or paper) and want to load those materials into a camera or developing tank, sometimes it may not be practical to use a darkroom, like in the field when using pinhole cameras. This is where a changing bag comes into its element. It is essentially a photographic bag specifically designed to be light-proof while in use.

Firstcall Changing Bags use a lightweight black nylon outer bag with an interior bag constructed of rubberised nylon/cotton blend. Double-lined and double zippered, our changing bags are guaranteed light-tight and are ideal for removing film from its canister to put it into a developing tank, or loading and unloading sheet film holders

Our recommendation is the larger, 27 x 29-inch version - its extra space allows for more movement when loading film onto a spiral. It only costs £25.19 including VAT.

PATERSON UNIVERSAL FILM TANK

The most popular developing tanks in the Paterson Super System range is their Universal Developing Tank. It takes two 35mm films or a single 120/220 film and is complete with two auto load reels. To use the reels for 120 use, you pull the reel apart to make the 6cm gap required.

In use, the agitation of the processing solutions can be by inversion of the tank using the flexible watertight cap provided, or by rotary agitation using the agitation rod also provided. In processing, 300 ml of solution is required for a single 35mm film or 500ml when processing two films.

All parts are interchangeable and being Made in the UK means any part can be replaced as a spare part.

PATERSON 35MM FILM TANK

Paterson's Super System are the originators of Daylight Developing Tanks. They are simple to load, faster to fill and easier to clean than any other tank. The design includes a large-diameter one-piece lid and funnel which clips into place positively and securely, enabling the tank to be filled and emptied quickly.

The first tank in the system is a 35mm Tank (PTP114) takes a single 35mm film, comes complete with one auto load reel.

In use, the agitation of the processing solutions can be by inversion of the tank using the flexible watertight cap provided, or by rotary agitation using the agitation rod also provided. In processing, 300 ml of solution is required for a single 35mm film.

It is essential that the autoload reels are always used fixed onto the centre column provided to ensure that the tank remains light-tight during the processing cycle.

PATERSON MULTI REEL TANKS

These tanks are supplied without reels so that you can build up a system best suited to your own needs.

The Paterson Auto-Load reels are slid onto the appropriate centre column supplied with the tank. The reels are designed to grip the centre column, and you can use any number from one reel up to the tank maximum.

Care should be taken when inverse agitation is used with less than a full load of film and chemistry, as it can lead to over-vigorous agitation of the chemistry.

The Multi -reel 3: Takes up to three 35mm films or two 120/220 films. (PTP116)

The Multi -reel 5: Takes up to five 35mm films of 3 120/220 films. (PTP117)

The Multi- reel 8: Takes up to eight 35mm films or five 120/220 films. (PTP118)

AP DEVELOPING TANKS

AP Developing Tanks tanks are so easy to load.

They contain thumb grips on the wide film insert area of the spiral, which of course is a significant benefit not only to school or college students but also to anyone who is starting film developing for the first time. They are made from unbreakable plastic that is heat-resistant, watertight and opaque to light. The seal on the light-tight lid is, in our view, better than an equivalent Paterson one as the plastic and rubber are molded together.

The spirals are compatible with all Paterson tanks on the market. This means that even if you do not need a new tank, you can still experience the benefits of this system by purchasing one of the Compact Auto Spirals.

The 35mm version contains one spiral while the Universal comes with two spirals included in the tank.

Please Note: Some imported items are suffering fluctuating stock levels. For certainty check before ordering.

JOBO 1500 DEVELOPING TANKS

The 1500 series tanks are modular in design so as your requirements grow; you can add modules to your original purchase to increase capacity. The adjustable 1501 reel holds one 35mm, one or two 120's, or one 220 film. You get two rolls to a reel by loading "back to back".

The tanks 1510, 1520 and 1540 each include one adjustable reel (1501). All Jobo tanks and drums are made of durable polypropylene plastic that is flexible (they don't break easily) to provide a long and functional life.

If you have a Jobo CPE-2/3, CPA-2 or CPP-2/3 processing machine you can still use 1500 tanks if you have access to a magnet or cog. A magnet (1504) is required to attach the tank to a normal machine, or a cog is needed (1505) if using a Jobo Lift. Magnets and cogs are both available to purchase as optional extra items (1504 or 1505).

JOBO 2500 DEVELOPING TANKS

The 2500 Series tanks and reels are larger in diameter than the 1500 system and allow more chemical to flow across the material. In fact, the 2502 and 2509N reels have triangular points all along the spirals which lift the film off the reel, thereby creating more room between the film edges and the reel. This feature eliminates development streaks along the edges of your valuable film – particularly 120/220. We, therefore, consider them to be our Professional Series

Suitable for inversion or rotation, you can use them with the previous Jobo film processors by using the same magnets or cogs as in the 1500 series (1504 or 1505).

The 2540 is designed for just one 35mm film while the more functional 2520 model can hold one or two 35mm or one or two 120 films. It is also possible to process up to 6 6x9 cm or (up to) 6 9x12 cm or (up to) 6 4x5 inch sheet films using this larger tank.

Both can also be used for rotation agitation on a Jobo Roller item 1509 but come without a reel. For reels, you need either 2502 or 2509n.

JOBO 3000 EXPERT DEVELOPING TANKS

We recommend the 3000 series Expert range of tanks for large format sheet film development.

If you're a large format photographer, using either 5 x 4 inch and or 8 x 10-inch sheet film, this is the series for you. These tanks are hand-made in the German factory, but it doesn't matter what system of development you're contemplating; hand processing, rotary processing, hanger processing, or any other method -- using the Expert Drums will yield beautifully even edge-to-edge development. The Expert Drums fit on the Jobo CPA-2, CPP-2 and 3, and ATL-2000 (they don't fit in the CPE-2/3 or ATL-1500).

A good tip is to use the optional 3360 Foot Pump. It lets you remove the drum lids after processing easily.

3005 Tank
5 sheets of 5 x 7 inch or 8 x 10-inch film or paper
Chemicals required: Minimum 270 ml / Maximum 1500 ml

3010 Tank
10 sheets of 4 x 5-inch film or paper
Chemicals required: Minimum 210 ml / Maximum 1000 ml

ECO-FRIENDLY STAINLESS STEEL TANKS AND ACCESSORIES

We've sourced a range of stainless steel developing tanks, reels, loaders, film clips and print tongs, all of which should help in reducing plastic.

New this year are developing tanks from Samigon, fantastic reels and loaders made in the UK by Hewes and clips and print tongs we import from Asia. If you want to see the full range, type the word " stainless" into the search bar on our website. We are the only UK company working along these lines, and we hope you'll endorse this new direction.

Hewes is particularly worth a mention. The reels and loaders are of excellent quality, and they even make a core adapter for the loaders so that you can easily use your Paterson or Jobo reels with their products. Both 35mm and 120 film formats are covered in this new range.

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ARS-IMAGO LAB-BOX DAYLIGHT FILM DEVELOPING TANK

Never before has it been this easy to process your films if you use this multi-format, daylight-loading film development tank.

Most analogue photographers have two options for processing the film they shoot - develop the rolls yourself or take them to your local lab. Until now, being away from home, without a darkroom or a changing bag has meant extreme difficulty in getting a film developed.

With Lab-Box from Ars-Imago, you can process 35mm or 120 films from start to end in full-daylight, thereby dispensing with a darkroom need.

Lab-Box is the most comfortable and quickest tool to develop your films in full daylight, anywhere and at any time, bypassing the need to load the rolls in the dark. It is a multi-format tank that allows developing film from start to end, thanks to the two interchangeable modules and its multi-format reel enabling the processing of both 135 mm and 120 mm films.

It is universal and modular: with one tank, it is possible to develop both 135 and 120 film rolls, by merely switching the loading module. It is also compact and portable: its small size allows for easy carrying, in a bag or backpack. Film rolls can be loaded and developed in daylight, through an intuitive and straightforward process.

Lab-Box is perfectly suitable for beginners and meets more experienced photographers' needs, offering the possibility to experiment with different developing processes. It is available in two different colours. You can choose between Orange or Black tops with matching charcoal ABS cases.

See our website for more technical details.

STEARMAN PRESS - INEXPENSIVE SHEET FILM DEVELOPING TANKS

The US producer, Stearman Press is renowned for their low-cost 5x4 inch developing system It is the cheapest sheet film tank we sell. It is a great product and loads like a film holder (double dark slide). Just load in a darkroom or changing bag, then process in daylight.

It lets you process up to four sheets of 4x5 film at a time and uses only 16 oz (475ml) of solution during processing. It is daylight safe and fills and drains very quickly. It uses inversion agitation, stand development or anything in-between.

The tank includes built-in liquid level indicators, and you can easily use a thermometer during processing. It's made from rugged ABS plastic and features an industry-standard O-ring seal.

There is a new 8x10 addition this year too. The Stearman Press SP-810 8x10 Developing Tank System allows the

8x10 Configuration

photographer to bring large format sheet development out of the darkroom. The tray is quickly loaded in a dark bag or darkroom (no film holders needed!), and, when the lid is secured, the tray can be brought out into the light to be processed. With included dividers and tabs, you can configure the processor for 4x5, 4x10, and 5x7, too.

It is very economical, using only 500ml of chemicals. The SP-810 is supplied with Hold-Down Tabs that keep the film from floating out of the chemicals. You rock/tilt the processor to achieve agitation. The tray bottom is designed with four separate fingertip indents for easy removal when processing is complete.

PATERSON DARKROOM FILM & PRINT KIT

Sometimes you want to go beyond just processing film but want somebody to give you the basic accessories to be able to invest in your darkroom. This kit from Paterson gives you everything you need to process the film and print too.

It contains all the essential equipment for processing. You'll need an enlarger, lens and easel before you can print properly, but this kit saves you time and money in choosing the accessories you need.

Contents:
• Universal Developing Tanks and Spiral
• Set of three 8 x 10 trays
• Paterson safelight
• 3 measuring cylinders (600ml, 300ml and 45ml)
• Chemical Mixer
• Thermometer
• Print tongs
• Pair of film clips
• Paterson Film Squeegee.

only £104

Please Note: Some imported items are suffering fluctuating stock levels. For certainty check before ordering.

SHEET FILM DEVELOPING TANKS

ARTIFEX SHEET FILM DEVELOPING TANKS

Artifex, in Latin, means artist or craftsman, and that certainly applies to the way this tank has been designed and manufactured. It is exclusive to Firstcall in the UK.

Made from hard-wearing ABS material, the interior of the tank contains a rack in which the two individual sheet film frames (or guides) sit. Once you load the tank in the dark and you tighten the two locking screws, you can carry out all other processing in daylight. After you've completed the processing, you use the included hook to pull the guide from the tank.

The 4 x 5 inch processor will handle up to six frames in any one session but only comes with two frames included. To process more than two sheets at a time, we recommend their Extension Kit that includes two more film frames and a blank frame. By using this blank, you can process just one or two sheets economically.

You only need one litre of chemical to process six sheets making it far cheaper than the Jobo Expert system.

The 8 x 10-inch processor will handle up to six frames in any one session, but it only comes with two frames included. To process more than two sheets at a time, we recommend their Extension Kit that includes two more film frames and a blank frame. Again, using this blank, you can process just one or two sheets economically.

If you want to process 4 x 5-inch sheet film all you need is the 4 x 5-inch Reduction Kit. Comprising of two 4 x 5-inch frames, it turns your processor into a multi-format unit.

FILM DEVELOPING TANKS

Code	Brand	Product		Ex VAT	Inc VAT
26014	Adox	Starter Developing Kit for Black and White Film	Everything you need to develop your own b/w film	£33.33	£40.00
26138	AP	Developing Tank Mini Compact, 35mm	Including one reel, one 35mm film only	£16.91	£20.29
26139	AP	Developing Tank Compact, Universal	Including 2 reels, 2 x 35mm or 1 x 120 film	£20.49	£24.59
26140	AP	Developing Tank Reel	For AP Developing Tanks	£7.83	£9.39
40016	AP	Darkroom Film and Print Kit	All the accessories you need to process and print	£64.99	£77.99
12031	Ars-Imago	Lab-Box Daylight Developing Tank - Orange	Modular daylight-loading tank that can be used everywhere	£149.17	£179.00
12038	Ars-Imago	Lab-Box Crank Handle - Orange	For use with Lab-Box as alternative to the hand held turning knob	£11.66	£13.99
12046	Ars-Imago	Lab-Box Professional Lid	For use with Lab-Box as alternative to the original lid	£57.50	£69.00
12033	Firstcall	Artifex Sheet Film Developing Tank, 8 x 10-inch	Multi-sized sheet film developing tank	£390.83	£469.00
12034	Firstcall	Artifex Blank Frame, 8 x 10-inch	Makes it possible to use less chemistry in the sheet film developing tank	£36.33	£43.60
12035	Firstcall	Artifex S/Film Developing Tank, 4 x 5-inch	Sheet film developing tank for 4 x 5 inch film	£262.50	£315.00
12036	Firstcall	Artifex S/Film Developing Tank, 4 x 5-inch Stainless Steel	Sheet film developing tank for 4 x 5 inch film	£390.83	£469.00
12039	Firstcall	Artifex S/Film Developing Tank, 4 x 5-inch, Extension Kit	Two extra 4 x 5 inch film frames and a blank frame for use with the processor	£50.00	£60.00
12040	Firstcall	Artifex S/Film Developing Tank, 8 x 10-inch, Extension Kit	Two extra 8 x 10-inch film frames and hook for use with your processor	£62.50	£75.00
12041	Firstcall	Artifex S/Film Developing Tank, 8 x 10-inch, Reduction Kit	Two extra 4 x 5-inch film frames for use with your 8 x 10-inch processor	£124.17	£149.00
12042	Firstcall	Artifex S/Film Developing Tank, 8 x 10-inch, Base	Multi-sized sheet film developing tank	£20.00	£24.00
12047	Firstcall	Artifex S/Film Developing Tank, 8 x 10-inch, Drying Rack	Multi-sized sheet film stainless steel drying rack	£40.00	£48.00
26015	Firstcall	Starter Developing Kit for Black and White Film	Everything you need to develop your own b/w film	£33.33	£45.00
26047	Firstcall	Changing Bag, Small	Nylon, 16 x 17in.	£14.91	£17.89
26048	Firstcall	Changing Bag, Large	Nylon, 27 x 29in.	£20.99	£25.19
27019	Hewes	35mm Stainless Steel Developing Reel	Eco-friendly reel process your black and white or colour film	£25.83	£31.00
27021	Hewes	120 Stainless Steel Developing Reel	Eco-friendly reel process your black and white or colour film	£28.33	£34.00
27022	Hewes	35mm Stainless Steel Spiral Film Loader	Aligns your film at the right angle making spiral loading quick and accurate	£82.50	£99.00
27023	Hewes	120 Stainless Steel Spiral Film Loader	Aligns your film at the right angle making spiral loading quick and accurate	£87.50	£105.00
27024	Hewes	Spiral Film Loader Adaptor 35mm	Insert for your plastic reels so you can use the Hewes Sprial Loader	£7.50	£9.00
27025	Hewes	Spiral Film Loader Adaptor 120mm	Insert for your plastic reels so you can use the Hewes Sprial Loader	£7.50	£9.00
12009	Jobo	Developing Tank Cog Lid, 1503	Allows manual and rotary processor use	£32.50	£39.00
12010	Jobo	Developing Tank 35mm, 1510	Including one reel, one 35mm film only	£31.67	£38.00
12011	Jobo	Developing Tank Universal, 1520	Including one reel, 2 x 35mm or 2 x 120	£35.00	£42.00
12012	Jobo	Developing Tank Multi Tank, 1540	Including one reel, 4 x 35mm or 4 x 120	£59.17	£71.00
12013	Jobo	Developing Tank Module, 1530	Extends capacity, by extra 3 x 35mm or 4 x 120	£30.83	£37.00
12014	Jobo	Developing Tank Reel, 1501	For all Jobo 1500 series tanks	£15.00	£18.00
12015	Jobo	Developing Tank Magnetic Base, 1504	For rotary process attaches to end of tank (without lift)	£36.67	£44.00
12016	Jobo	Developing Tank Cog Kit, Pack of 2, 1505	Needed when lift is used	£35.00	£42.00
12018	Jobo	Developing Tank Reel, 1502, for 16mm and 110 film	For all Jobo 1500 series tanks	£32.50	£39.00
12078	Jobo	Developing Tank Sheet Film Loader Base Kit, 2508	4 x 5in sheet film loader for use with 2509 reels, inc 2512 Guide	£133.33	£160.00
12080	Jobo	Developing Tank Expert Drum, 3006	For 6x 4 x 5 or 5 x 7 sheet film	£445.83	£535.00
39003	Jobo	Developing Tank Duo Set Reel, 2502	For all 2500 series Jobo tanks	£37.50	£45.00
39005	Jobo	Developing Tank Reel, 2509N	For 2500 series tanks, holds 6 sheets of 4 x 5in	£51.67	£62.00
39013	Jobo	Developing Tank Multitank 1, 2540	Inversion tank, supplied without a reel	£51.67	£62.00
39014	Jobo	Developing Tank Multitank 2, 2520	Inversion tank, supplied without a reel	£66.67	£80.00
39015	Jobo	Developing Tank Multitank 5, 2550	Inversion tank, supplied without a reel	£126.67	£152.00
39022	Jobo	Developing Tank Expert Drum, 3005	For 5x 8 x 10 or 5 x 7 sheet film	£541.67	£650.00
39023	Jobo	Expert Tank Drying Rod Kit, 3008	For Expert 3004/3005 - set of 2 rods	£37.50	£45.00
39026	Jobo	Developing Tank Expert Drum, 3010	For 10 sheets of 4 x 5 sheet film	£467.50	£561.00
39027	Jobo	Expert Tank Drying Rod Kit, 3007	For Expert 3006/3010 - set of 2 rods	£37.50	£45.00
39029	Jobo	Developing Tank Expert Drum Super 8, 3018	Develop your own Super 8 film	£854.17	£1,025.00
39065	Jobo	Foot Pump, 3360	For Expert Drums	£42.50	£51.00
39126	Jobo	Lab Kit Small	All the equipment needed to start processing your first 35 mm black & white film	£66.67	£80.00
39127	Jobo	Lab Kit Medium	All the equipment needed to start processing your first 35mm or 120 black & white film	£93.33	£112.00
39128	Jobo	Lab Kit Large	All the equipment needed to start processing up to four 35mm or 120 black & white film	£148.33	£178.00
26052	MOD	Developing Tank, Reel MOD 54	Process up to 6 sheets of 5x4 film, use with Paterson Multi Tank 3	£37.08	£44.50
26006	Paterson	Darkroom Film and Print Kit	PTP572; All the accessories you need to process and print	£86.67	£104.00
26007	Paterson	Deluxe Film Processing Starter Kit	PTP574; All the accessories and chemicals you need to process 2 films	£58.33	£69.99
26013	Paterson	Film Developing Kit	PTP573; All the accessories you need to process a b/w film	£47.50	£57.00
26039	Paterson	Developing Tank, 35mm	PTP114; Including one reel, for 35mm film only	£20.16	£24.19
26040	Paterson	Developing Tank, Universal	PTP115; Including 2 reels to take 2 x 35mm or 1 x 120 film	£21.49	£25.79
26041	Paterson	Developing Tank Reel	PTP119; For Paterson Developing Tanks	£11.16	£13.39
26042	Paterson	Developing Tank, Multi Reel 3	PTP116; For 3 x 35mm or 2 x 120 film capacity	£21.49	£25.79
26043	Paterson	Developing Tank, Multi Reel 5	PTP117; For 5 x 35mm or 3 x 120 film capacity	£24.91	£29.89
26044	Paterson	Developing Tank, Multi Reel 8	PTP118; For 8 x 35mm or 5 x 120 film capacity	£36.08	£43.29
27018	Samigon	Stainless Steel Tank without Reel for 1x 35mm Reel	Eco-friendly way to process your black and white or colour film	£32.50	£39.00
27020	Samigon	Stainless Steel Tank without Reel for 2x 35mm or 1x 120 Reel	Eco-friendly way to process your black and white or colour film	£35.00	£42.00
26056	Stearman Press	SP455 4x5 developing tank system	Process up to 4 sheets of 5x4 film, using just 475ml of solution	£85.00	£102.00
26058	Stearman Press	SP810 8X10 developing tank system	Process up to 1 sheet of 8X10 film, using just 500ml of solution	£150.00	£180.00
26060	Stearman Press	SP455 4x5 Spare Film Holders (2)	A replacement set of two original film holders for the SP455	£20.83	£25.00

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FILM PROCESSING ACCESSORIES

THERMOMETERS AND STIRRERS

For accurate film (or print) processing you will need a good thermometer.

We sell our spirit thermometer that is specially made for us in the UK. Mercury thermometers are no longer legal in the U.K., but spirit ones have dual scales and are ideal for black and white work.

The spirit thermometer scale is 15-30 degrees C. A similar spirit thermometer is also available built-in to a stirring rod which acts a doubly useful aid.

Digital thermometers are a distinct alternative to glass thermometers and offer increased accuracy and speed of readout. Our model (19006) has a range from -50 to +200 degrees C, and switchable between Centigrade and Fahrenheit. It has resolutions of 0.1 degrees, 120MM probe and maximum/minimum temperature memory button.

If you want to process colour film or prints we suggest using a digital thermometer because of the higher temperature range required.

We also sell our own angled dish thermometer, and Adox's Dial thermometer copes with black and white or colour work. Their Dial thermometer has the benefit of clipping onto the side of a beaker or developing tank. Both angle and dial thermometers will rest in the cover of your developing dish without the need to hold them - letting you start processing when you reach the exact temperature.

LOW-COST DIAL THERMOMETER

Kood's dial thermometer can be used in the darkroom with a wide range of -10 to 100 degrees Centigrade. Made from stainless steel and maintenance-free, it incorporates a stainless steel clip that helps make sure that the thermometer sits securely on the tray lip (or developing tank rim) and that the scale is level.

The 5 inch (13.5cm) probe length means you can also effortlessly measure the temperature of liquids in a high container like a measuring beaker. But because of the length, it isn't intended for trays that are smaller than 8 x 10 inches.

MEASURING GRADUATES AND JUGS

You will also need measuring cylinders to process your films (or prints).

We strongly suggest you buy three of each measuring cylinder when using chemicals e.g. one for developer, stop bath and fixer thereby avoiding any cross contamination.

We choose our cylinders and jugs from Paterson and AP because, being specialist suppliers, they understand the working sizes of graduates needed by the darkroom worker. They also use high quality and durable plastics in their manufacturing process.

Paterson makes all their cylinders, funnels and jugs from the same unbreakable polypropylene. Their plastic jugs are also graduated so you can use them as alternative measuring cylinders too.

AP and Jobo measuring cylinders are made from a more transparent plastic with AP offering the best value in our graduate range.

All measures are scaled in both ml and fluid ounces with pour spout and stabilized base. We also offer two alternative measuring cylinders in glass which have the advantage of being easier to clean.

MEASURING CYLINDERS AND JUGS

Code	Brand	Product		Ex VAT	Inc VAT
25860	AP	Measuring Cylinder 50ml	Plastic, 1.66oz	£3.16	**£3.79**
25247	AP	Measuring Cylinder 100ml	Plastic, 3.5oz	£3.66	**£4.39**
25248	AP	Measuring Cylinder 300ml	Plastic, 11oz	£5.24	**£6.29**
26025	AP	Measuring Cylinder 650ml	Plastic, 22oz	£6.66	**£7.99**
25249	AP	Measuring Cylinder 1000ml	Plastic, 36oz	£9.08	**£10.89**
72001	Firstcall	Measuring Cylinder, Glass, 250ml	Scienfic grade glass, hexagonal base, 2 ml gradations	£5.58	**£6.69**
72002	Firstcall	Measuring Cylinder, Glass, 500ml	Scienfic grade glass, hexagonal base, 5 ml gradations	£9.16	**£10.99**
39049	Jobo	Measuring Cylinder 100ml, 3303	Plastic, measuring increments 5ml	£3.33	**£3.99**
12085	Jobo	Measuring Cylinder Kit, 3308K	Four individual 260ml measures	£31.67	**£38.00**
26022	Paterson	Measuring Cylinder 45ml	PTP301; Plastic, 1.5oz	£5.99	**£7.19**
26023	Paterson	Measuring Cylinder 150ml	PTP302; Plastic, 5.5oz	£5.99	**£7.19**
26024	Paterson	Measuring Cylinder 300ml	PTP303; Plastic, 11oz	£7.16	**£8.59**
26026	Paterson	Measuring Cylinder 600ml	PTP304; Plastic, 22oz	£9.08	**£10.89**
26027	Paterson	Measuring Cylinder 1200ml	PTP305; Plastic, 42oz	£10.58	**£12.69**
25031	Paterson	Measuring Cylinder Funnel, 11cm	PTP306; Plastic, 4.5in	£7.24	**£8.69**

THERMOMETERS AND STIRRERS

Code	Brand	Product	Description	Ex VAT	Inc VAT
26112	AP	Chemical Mixer, Set of 2	Stirring rod, one pair	£5.24	**£6.29**
26113	Paterson	Chemical Mixer, Single	PTP245; Stirring rod	£5.99	**£7.19**
26032	Firstcall	Thermometer, Angled Dish Spirit	For b & w only, 4 inches	£10.74	**£12.89**
26145	Kood	Thermometer, Dial with 5 inch probe & clip	For b & w and colour, luminous, 1.8 inch face	£7.91	**£9.49**
26037	Adox	Thermometer, Dial, with 8 inch (200mm) probe	For colour or b & w, luminous with 2.2 inch face	£10.63	**£12.75**
19006	Firstcall	Thermometer, Digital, with 4.7 inch (120mm) probe	For colour or b & w	£19.17	**£23.00**
26031	Firstcall	Thermometer, Spirit	For b & w only, 9 inches	£6.33	**£7.59**
14024	AP	Thermometer, Stirrer	Colour/B&W, stir and measure safely	£13.83	**£16.59**

Please Note: Some imported items are suffering fluctuating stock levels. For certainty check before ordering.

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STORAGE BOTTLES

Dark coloured storage bottles are best for storing chemicals, particularly developers, because these solutions will deteriorate with light.

Do not use plastic bottles unless they have been made for photographic purpose as some plastics "breathe" air through the membrane, which decreases the life of the chemical.
Keep a variety of sized bottles to minimise oxidisation and always fill to the brim with the aid of added marbles if needed.

AP zoom accordion chemical storage bottles also keep chemicals fresh. Available in one or two litre sizes, these bottles differ from normal plastic containers in that you can exclude air from them, by compressing them in size and by doing so you expel the air that remains in the bottle. You can double the chemical life by using this method. This in turn should mean less wasted developer and greater throughput of film or paper.

Datatainer is the original high density, brown polyethylene storage bottle from Delta. Designed in 1972, these Infrared sterilized, silk screened in epoxy ink, and Polydome™ liner-less closures are available from Firstcall for the first time in three handy sizes. We love them for their memo writing area too.

This year we've doubled our number of glass containers. Remember, bottles and jars have the added advantage of being recyclable and in amber it protects against light degradation. These jars are useful for raw chemical preparations too.

CHEMICAL STORAGE BOTTLES

Code	Brand	Product		ExVAT	IncVAT
39066	AP	Chemical Storage Bottle 1 litre, 3395Z	Air reduction accordian	£5.41	£6.49
39067	AP	Chemical Storage Bottle 2 litres, 3396Z	Air reduction accordian	£7.49	£8.99
14008	Delta	Chemical Storage Bottle, Datatainer, 900ml	32 oz / 1 quart	£9.16	£10.99
14009	Delta	Chemical Storage Bottle, Datatainer, 1.8 litres	64 oz / 1/2 gallon	£11.66	£13.99
14010	Delta	Chemical Storage Bottle, Datatainer, 3.5 litres	128 oz / 1 gallon	£14.16	£16.99
12043	Jobo	Chemical Storage Bottle, Wide Neck, 3372B	1 litre, Black	£6.67	£8.00
12044	Jobo	Chemical Storage Bottle, Wide Neck, 3372W	1 litre, White	£6.67	£8.00
13201	Fotospeed	Chemical Storage Bottle, 1 litre	White	£2.85	£3.42
13202	Fotospeed	Chemical Storage Bottle, 5 litres	White	£3.99	£4.79
12083	Jobo	Chemical Storage Bottle Kit, 600ml, 3310	Four individual 600ml white bottles	£20.00	£24.00
12084	Jobo	Chemical Storage Bottle Kit, 1 litre, 3300	Six individual 1000ml bottles - 2x black and 4x white	£30.00	£36.00
70008	Firstcall	Chemical Winchester Glass Bottle, 1 litre	screw top	£5.74	£6.89
70034	Firstcall	Chemical Winchester Glass Bottle, Amber,15ml	20mm black screw top	£1.29	£1.55
70035	Firstcall	Chemical Winchester Glass Bottle, Amber,25ml	20mm black screw top	£1.41	£1.69
70036	Firstcall	Chemical Winchester Glass Bottle, Amber,30ml	20mm black screw top	£1.41	£1.69
70024	Firstcall	Chemical Winchester Glass Bottle, Clear,30ml	20mm black screw top	£1.16	£1.39
70037	Firstcall	Chemical Winchester Glass Bottle, Amber,100ml	24mm black screw top	£1.65	£1.98
70033	Firstcall	Chemical Winchester Glass Bottle, Amber,10ml	20mm black screw top	£1.29	£1.55
70026	Firstcall	Chemical Winchester Glass Bottle, Clear,500ml	31mm black screw top	£2.96	£3.55
70025	Firstcall	Chemical Winchester Glass Bottle, Clear,50ml	24mm black screw top	£1.52	£1.82
70027	Firstcall	Chemical Amber Glass Powder Jar, 15ml	28mm black screw top	£1.41	£1.69
70028	Firstcall	Chemical Amber Glass Powder Jar, 30ml	33mm black screw top	£1.48	£1.78
70029	Firstcall	Chemical Amber Glass Powder Jar, 60ml	38mm black screw top	£1.48	£1.78
70030	Firstcall	Chemical Amber Glass Powder Jar, 100ml	24mm black screw top	£1.78	£2.13
70031	Firstcall	Chemical Amber Glass Powder Jar, 240ml	48mm black screw top	£2.32	£2.78
70020	Firstcall	Chemical Clear Glass Powder Jar, 60ml	38mm black screw top	£1.62	£1.94
70021	Firstcall	Chemical Clear Glass Powder Jar, 120ml	38mm black screw top	£1.74	£2.09
70022	Firstcall	Chemical Clear Glass Powder Jar, 175ml	48mm black screw top	£2.14	£2.57
70023	Firstcall	Chemical Clear Glass Powder Jar, 500ml	58mm black screw top	£3.03	£3.64

TIMERS

Timing each step in processing is important, especially when the film is in the developer, and for agitation. Either a wristwatch or a wall clock with a second hand is okay, but a darkroom timer is a worthwhile investment.

LOW-COST MECHANICAL TIMER

Our Optico mechanical timer, with a duration from 0 to 60 minutes, can be wound up precisely to the minute.

- Duration: 0 - 60 min.
- Dimension: 7.8cm
- Precision movement
- Visible runtime
- Powerful magnet on the rear
- Wind up clock mechanism
- No batteries
- Stainless steel / plastic

The marked display shows the remaining runtime. The magnet on the back of the timer allows it to easily attach to magnetic surfaces (like an enlarger). Using it this way, you can always keep your timer within eyeshot.

DIGITAL TIMERS

We offer processing timers from just £7.99.
These LCD timers are built around electronics and it is relatively easy to include a memory function that allows the storage and repeat of one or several chosen times.

Our cheapest is the **Jumbo Timer**. Its LCD figures are 34mm high. This is very useful in a large room like a laboratory or darkroom when the distance from the timer can often be a problem. It has all the features you would expect from a modern timer, including count-down with a memory from 99 hours 59 seconds. It includes a clip, stand, magnet plus hook and the large buttons make it very easy to use.

The **Adox Clock Timer** is a traditional dial timer but with a contemporary look and digital mechanism. It is a count up timer with a 12cm luminous face.

Our recommended "memory timer" is the **Triple Timer**, it times three individual periods simultaneously or individually each of which can be recalled from its memory. The three channels have different alarms. With a large display, it is only 3 inches square.

Our large figure, a stop-clock timer is a multi-functional timer as much at home in the darkroom as a science lab or even a kitchen. It has four count-up options and registers hours, minutes, seconds and decimal seconds as well as a standard clock mode.

TIMERS AND CLOCKS

Code	Brand	Product		Ex VAT	Inc VAT
70010	Firstcall	Clock Timer, Jumbo Display	Counts down with memory, 1 in. figures	£9.16	£10.99
12123	Firstcall	Clock Timer, Optico	Our favourite mechanical darkroom timer, magnetic	£10.83	£13.00
70004	Firstcall	Clock Timer, Triple	Counts up or down, 3 channels and memory	£12.49	£14.99
70006	Firstcall	Clock Timer, Large Display	Counts up or down, inch high figures	£33.33	£39.99
70011	Adox	Clock Timer, Large Display with Luminous Dials	Counts up, easy start stop process, 12cm face	£51.66	£62.00

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FILM OPENERS AND RETRIEVERS

To retrieve the end of a film leader inside a cassette for processing, we recommend using a film retriever and then for opening 35mm film cassettes, a cassette opener. AP shape their cassette opener to accommodate 35mm cassette end-caps.
To cut off the leader of 35mm film when loading it on the reel of a developing tank, use a pair of scissors. The adhesive tape used to secure 35mm or 120-size roll film to its spool can be cut with scissors, or torn carefully with your fingers.
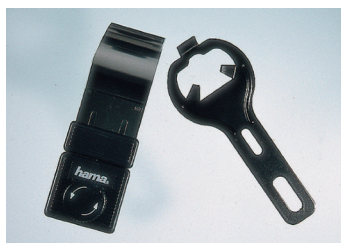
BULK FILM ACCESSORIES

We sell all the accessories needed to bulk load black and white film. The central part of this is a bulk film loader.
The AP Bobinquick film loader is the best film loader on the market. It has clear dials that indicate both the film loaded and stock left, a reset switch, and a safety 'interlock' catch we recommend it for school and college use.
We sell plastic reloadable cassettes and tape to secure the film to the reel and DX labels to adhere to the cassette for setting the camera's correct film speed.

DENSITOMETERS

Densitometers are used in film photography to measure densities of negatives and the saturation of prints. Such measurements enable the photographer to choose the right photo paper and the correct exposure instantly, thereby eliminating the need for test strips.

Heiland densitometers are designed and produced by Heiland Electronic GmbH in Wetzlar, Germany, to laboratory standards and are rugged and reliable for all black and white darkroom work. This year we have extended our range of both densitometers and accessories stocked.

We have full information about their range and much how to use them on our website Blog – All you need to know about Densitometers.

LOUPES AND FILM MAGNIFIERS

You use a loupe also called negative magnifier, or film loupe to inspect processed film or prints. It's a single, or multiple element magnifier mounted in a skirted housing that can be placed against the film or print to be viewed.
Loupes are useful in evaluating or comparing different negatives or slides before printing or scanning them, viewing contact sheets, or comparing printing techniques. Large or medium format photographers that compose and focus on a ground glass sometimes also find this type of magnifier useful.
We stock a range of magnifiers, from inexpensive plastic versions to aspherical coated glass models.

AP Film Magnifier 8x Loupe
This inexpensive magnifier comes with a 8x magnification lens, 24 mm diameter, transparent foot base and is suitable for 35mm slides and negative work. An alternative is our own 10x loupe which is slighly cheaper.

Firstcall Film Magnifier 10x Round Loupe
Our own desk loupe with a 10x magnification lens has a 48mm diameter and is great for assessing film negatives, slides or non-photographic hobbies of stamp or coin collecting, map reading or watch repair.

new

Transparent round foot base. Measurements: 40x45x48 mm.

Adox Film Magnifier 10x Precision Illuminated Loupe
This new 10x loupe from Adox uses a precision, glass lens and illuminates using a LED light which covers a large area and produces a crisp, high-quality image even at the edges. The lens elements are fully coated, and the three lenses that go to make up the loupe, come in two groups and have a 30mm diameter. You can enlarge the film high enough to effectively judge sharpness, grain or resolution and the image is not severely cropped either. For spectacle wearers, there's also an adjustable dioptre compensation.
The 10x magnification is perfect for the ground glass of a field camera to check the focus, and in the footer, there is a micrometric scale (1/10th of a mm) which can be removed if preferred. The LED ring light built into the loupe dispenses with the need for a lightbox for your contact print viewing is powered by four silver oxide batteries which are included and a protective leather case.

DENSITOMETERS

Code	Brand	Product		Ex VAT	Inc VAT
39115	Heiland	TRD-2 Black and White Densitometer	Designed for general photographic calibration of B & W films and variable contrast papers.	£565.83	£679.00
39116	Heiland	TRD-Z Black and White Densitometer	Designed for general photographic calibration of B & W films and variable contrast papers according to the Zone Sytem	£687.50	£825.00
39117	Heiland	Densitometer Changeable Aperture Set	Set of four alternative apertures for use with TRD-2 or TRD-Z	£115.83	£139.00
39119	Heiland	Densitometer Multi-colour Transmission Light	For use with TRD-2 or TRD-Z	£140.83	£169.00
39120	Heiland	Densitometer Ultra Violet Transmission Light	For use with TRD-2 or TRD-Z	£51.67	£62.00
39118	Heiland	Densitometer USB Port	For use with TRD-2 or TRD-Z	£80.83	£97.00

BULK FILM ACCESSORIES

Code	Brand	Product		Ex VAT	Inc VAT
26304	Ars-Imago	Film Retriever	Retrieves film tip from the cassette	£5.83	£6.99
26305	Firstcall	Film Retriever	Retrieves film tip from the cassette	£7.58	£9.09
26036	AP	Film Cassette Opener	To remove crimped end of a film cassette	£11.82	£14.19
40014	AP	Film Cassette Opener, Bench-Mounted	Ideal for school or lab darkroom	£7.74	£9.29
40013	AP	Bulk 35mm Film Loader	Bobinquick, ideal for schools and colleges	£66.66	£79.99
26302	Firstcall	Reloadable Cassettes, Plastic	Pack of 10. For use with bulk film	£7.49	£8.99
26303	Firstcall	Reloadable Cassettes, Plastic	Pack of 100	£66.66	£79.99
2003	Firstcall	DX Recoder Labels, ISO 100	Strip of 5	£2.49	£2.99
2004	Firstcall	DX Recoder Labels, ISO 125	Strip of 5	£2.49	£2.99
2005	Firstcall	DX Recoder Labels, ISO 160	Strip of 5	£2.49	£2.99
2008	Firstcall	DX Recoder Labels, ISO 400	Strip of 5	£2.49	£2.99

FILM MAGNIFIERS

Code	Brand	Product		Ex VAT	Inc VAT
26087	Firstcall	Film Magnifier 10x Round Loupe	Plastic lens	£5.83	£6.99
26084	AP	Film Magnifier 8x Loupe	Plastic lens	£6.08	£7.29
26051	Adox	Film Magnifier 10x Precision Illuminated Loupe	Glass lens, includes LED light	£37.49	£44.99

Please Note: Some imported items are suffering fluctuating stock levels. For certainty check before ordering.

FILM WASHING AND DRYING

For washing film, rubber or plastic hoses can be inserted into the centre of the reel in a developing tank and attached to a water supply. We sell Paterson and Jobo items for this. Alternatively, you can buy a turbo film washer from Nova. Whichever washing device is used, water must be completely changed a number of times during the wash cycle. It is a good idea to agitate the tank or the film intermittently to remove air bubbles that may adhere. Without running water, pour water into the developing tank repeatedly, and agitate the film before each draining.

Drying is a simple choice between air-drying using Film Clips or using a fan-driven drying cabinet.

JOBO CASCADE FILM WASHER

One of the most reliable film washers currently on the market, it is the washer we recommend and, taking only 3 minutes, no other film washer completes the task faster. Please note, the Cascade will not fit AP tanks.

Film squeegees, like those from Paterson or AP, remove excess water from the surface of the newly processed film. Use in conjunction with a Wetting Agent for best results.

FILM CLIPS

Special clips are made for hanging up wet film to dry. Available in plastic or stainless steel, the best ones are weighted to help keep roll films from curling, while drying, such as the AP or Paterson. The Paterson ones also have stainless steel pins to grip the film securely.

FILM WASHING AND DRYING

Code	Brand	Product		Ex VAT	Inc VAT
26046	Paterson	Film Clips, Set of 2	PTP218, Plastic, one pair	£10.24	**£12.29**
26045	AP	Film Clips, Set of 2, bottom one weighted	Plastic, one pair	£7.58	**£9.09**
25041	Firstcall	Film Clips, Stainless Steel, Set of 2	One pair	£5.66	**£6.79**
26096	AP	Film & Print Squeegee	For film and prints up to 8 x 10in.	£9.74	**£11.69**
25043	Paterson	Film Squeegee	PTP211	£12.08	**£14.49**
25044	Paterson	Force Film Washer	PTP201	£11.99	**£14.39**
12069	Jobo	Force Film Washer Cascade, 3350	Fits Jobo tanks for a rapid 3 minute wash	£32.50	**£39.00**
21042	Nova	Force Film Washer, FP Turbo	Washes 5x 35mm or 3x 120 Paterson spirals	£45.79	**£54.95**
39124	Jobo	Mistral 3 Film Dryer for 35mm & 120 film, Kit 3521	Dries 35mm or 120 films in 15 minutes, dust free	£549.17	**£659.00**
39125	Jobo	Mistral 3 Film Dryer for sheet film, Kit 3522	Dries 4x5, 5x7 and 8x10 inch films in 15 minutes, dust free	£549.17	**£659.00**
39122	Heiland	Film Dryer	Suitable for drying film or paper up to 8 x 10 inches	£732.50	**£879.00**

MAINTAINING TEMPERATURE

NOVA WATER HEATERS

Nova sells two low-cost water heaters that are ideally suited to C41 users on a budget. The Novatronic is a 150w heater/stat that is fully submersible heating element with thermostatic control which is capable of heating around three gallons/15 litres of liquids from 0 up to 42 degrees C and is accurate to +/- 0.2degrees C.

The unit is perfect for covering all your darkroom chemical heating requirements working across heating for all Black and White and Colour film and print processes.

It is accurate to +/- 0.2 degrees C and fully adjustable. Two suction pads are supplied so that it can be attached to the container in which it is being used. The Protronic is similar but with a more powerful heater and attached temperature controller.

JOBO CP PROCESSORS

Jobo's two processors are semi-automatic film and print processor because temperature, time and agitation are all mechanically controlled. With them, any analogue photographer can now process their colour (or black and white) film at home and get professional results.

The Jobo CPE-3 Processor is a motor-driven processor for all films from 35mm, 120 medium format and 4x5 sheet film using Jobo tanks but differs essentially to the CPP-3 by not being programmable or having the ability to take Expert tanks. See our website for full details.

NOVA FP PROCESSOR

This basic model can process BW, C-41, E6 roll films - 2 x 35mm or 1 x 120 film at a time while maintaing temperature up to 45 degrees Celcius. Using the included Paterson tank included, you load the film onto a spiral, and once the film is in the tank, the rest of the process can be carried out in daylight.

The chemicals are stored in 3 x 1 litre graduated bottles. These bottles have been specially selected, as each of them has a secure air-tight double closure system.

FILM PROCESSING AND DRYING

Code	Brand	Product		Ex VAT	Inc VAT
21023	CineStill	CS Temperature Control System TCS-1000	Efficiently and easily mix your chemistry,heat it up to the precise processing temperature for film processing	£87.49	**£104.99**
39103	Jobo	CPE-3 Film & Print Processor c/w lift, 4059	Motor driven processor with lift for 135, 120, up to 4x5 films in Jobo tanks.Includes 1520 tank	£1,479.17	**£1,775.00**
39110	Jobo	CPP-3 Film & Print Processor with lift, 4089	Semi-automatic film and processor with lift, 2520 tank and 2502 reel	£3,115.83	**£3,739.00**
39108	Jobo	Lift for CPE-3, 4062	Simplifies processing with the CPE-3	£512.50	**£615.00**
39096	Jobo	Lift for CPP-3/CPP-2, 4072	Simplifies processing with the CPP-3 or CPP-2	£512.50	**£615.00**
39109	Jobo	Retro E6 Kit for CPE-3, 4061	Divider for your CPE-3 when using 6 bath E6 process	£73.33	**£88.00**
21014	Nova	FP Film Processor	For 2x 35mm or 1x 120 C41, B & W or E6	£216.63	**£259.95**
21026	Nova	Water Heater, Novatronic	Sticks to inside of dish, for preheating any developing tank	£40.79	**£48.95**
21022	Nova	Water Heater, Protronic APT	Advanced 300w version of Novatronic for b&w chemicals	£74.96	**£89.95**

PROJECTION AND VIEWING

FIRSTCALL LIGHT PANELS

Our range of light panels are all wafer thin (10mm) and the light provided comes from LEDs giving an even spread from edge to edge. Powered by the mains these very low heat panels come in sizes A5, A4, A3 and A2 and offer a cheaper alternative to the Plano range.
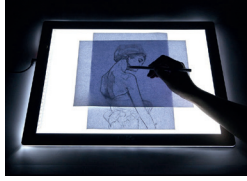
- Modern touch button on/off switch.
- Dimmable to suit the needs of your project.
- Coming with a low voltage adaptor, it consumes very little power and does not get hot.
- The modern LED light source and diffusion acrylic enables an even distribution of light across the whole illuminated area so there are no "hot spots".

PHOTOLUX LED SLIDE VIEWER

The Photolux SV-2 Slide Viewer offers 2 x magnification for your 35mm slides & negatives. Unlike ordinary slide viewers, that use small tungsten (torch) bulb for illumination, the SV-2 uses LED light for overall constant illumination of your slide. The 2 x magnification makes it easy to see the detail better. This high-quality desktop viewer also includes a genuine glass lens for the sharpest and brightest image.

It accepts slides mounted in 2 x2 inch frames as well as unmounted strips of negatives or slides.

AP SLIDE VIEWER 35MM AUTO

AP's automatic 35mm slide viewer is perfect for those slide users with large volumes of slides but small pockets. It can hold 60 slides in its integral magazine and offers a bright 3-inch (75mm) screen for perfect viewing.

It is the cheapest mains viewer we have ever sold and represents superb value for money. We feel it is the ideal classroom accessory for checking and reviewing slides or for arranging slides before projector presentation.

SLIDE MOUNTS

We import the AP range from Spain, where, for as little as 7p each, we offer their plastic two-piece, glassless mounts as the cheapest slide mount on the market (when buying 500 AP mounts). With GePe now ceasing manufacture, AP is the only real option for slide users now.

KAISER LED SLIMLITE PLANO LIGHT PANELS

These new LED light panels are incredibly flat and dimmable, and uniquely, all come with a built-in rechargeable battery. At only 8 mm thick, they offer perfect specifications for viewing, sorting, and digitising negative film or slides and sheet films. You get 5000 K colour (daylight) temperature in connection with a 95 CRI colour rendition index across all three sizes. Just add a Film Copy and you've got a perfect slide copying set up.

LIGHT BOXES

Code	Brand	Product		Ex VAT	Inc VAT
12027	Firstcall	Light Panel A5	Ultra thin, 6 x 9 inch, mains powered	£45.83	**£55.00**
12063	Firstcall	Light Panel A4	Ultra thin, 9 x 12 inch, mains powered	£58.33	**£70.00**
12065	Firstcall	Light Panel A3	Ultra thin, 12 x 17 inch, mains powered	£78.33	**£94.00**
12066	Firstcall	Light Panel A2	Ultra thin, 17 x 24 inch, mains powered	£129.17	**£155.00**
9074	Kaiser	LED Slimlite Plano Lightbox, 2453	22 x 16 cm. model, 5000k daylight, super tin 8cm, battery or mains included	£62.49	**£74.99**
9075	Kaiser	LED Slimlite Plano Lightbox, 2454	32 x 22.8 cm. model, 5000k daylight, super thin 8cm, battery or mains included	£115.83	**£139.00**
9076	Kaiser	LED Slimlite Plano Lightbox, 2455	42.9 x 30.9 cm. model, 5000k daylight, super thin 8cm, battery or mains included	£162.50	**£195.00**
9077	Kaiser	FilmCopy Vario, Film Copier 2457	Perfectly copy film using your camera and a lightbox	£199.17	**£239.00**
9078	Kaiser	FilmCopy Vario, Film Copier Kit 2458	Perfectly copy film using your camera. Includes Plano 2453 lightbox	£249.17	**£299.00**

SLIDE VIEWERS

Code	Brand	Product		Ex VAT	Inc VAT
25100	AP	Slide Viewer 35mm, Pocket	Hand-held daylight viewer no batteries required	£4.83	**£5.79**
26106	AP	Slide Viewer 35mm, Auto	2x magnification, mains, recommended	£29.16	**£34.99**
26114	AP	Slide Viewer 35mm, Battery	2x magnification, needs 2x AA batteries	£14.41	**£17.29**
26123	AP	Slide Viewer 35mm, Spare Bulb, 15w 240v	E14 15W 240V Small Edison Screw (SES) [Energy Class F] fits most viewers	£3.08	**£3.69**
26122	Photolux	Slide Viewer 35mm, SV-2, LED Illuminated, Battery	2x magnification, needs 2x AA batteries	£14.16	**£16.99**
12070	Photolux	SV-3 LED Daylight Slide Viewer	Daylight, 35mm, 3x mag., inc. tray, needs 4x AA batteries	£29.99	**£35.99**

SLIDE MOUNTS

Code	Brand	Product		Ex VAT	Inc VAT
25104	AP	Slide Cutter, Budget	Manual, guillotine type	£13.33	**£15.99**
9060	AP	Slide Cutter & Mounter, Photomounter CS II	CAM system	£49.99	**£59.99**
9061	AP	Slide Mounts Glassless 35mm CS, Pack of 100	2 piece clip mounts	£8.33	**£9.99**
9062	Kaiser	Slide Mounts Glassless 2156, 35mm, Pack of 100	For CAM system	£13.33	**£15.99**

SLIDE MAGAZINES AND BOXES

Code	Brand	Product		Ex VAT	Inc VAT
25253	AP	Projector Lab Slide Case, Black	Black with white frosted lid, holds 40 slides	£0.58	**£0.69**
25252	AP	Projector Slide Storage Case, 200	Plastic with clear lid, 200 slides in compartments	£8.33	**£9.99**
26551	Braun	Projector Magazine, Universal 2 x 50	For most euro projectors, twin magazines in a box	£7.91	**£9.49**
26104	AP	Projector Magazine, Carousel Rotary	For all Kodak Projectors, assorted colours	£15.24	**£18.29**

SCREENS

Code	Brand	Product		Ex VAT	Inc VAT
26583	Metroplan	Eyeline Presenter Projector Screen, 125 x 125cm	White, portable projection screen with tripod base	£77.50	**£93.00**
26584	Metroplan	Eyeline Presenter Projector Screen, 150 x 150cm	White, portable projection screen with tripod base	£90.83	**£109.00**
26586	Metroplan	Eyeline Presenter Projector Screen, 200 x 200cm	White, portable projection screen with tripod base	£135.83	**£163.00**

LAMPS

Code	Brand	Product		Ex VAT	Inc VAT
26566	Lamps	Projector Lamp A1/216 (FCS) 24V/150W		£3.33	**£3.99**
26515	Lamps	Projector Lamp A1/220 (BRL) 12V/50W		£2.49	**£2.99**
26516	Lamps	Projector Lamp A1/230 (EFN) 12V/75W		£7.49	**£8.99**
26517	Lamps	Projector Lamp A1/223 (EHJ) 24V/250W		£2.33	**£2.79**
26518	Lamps	Projector Lamp A1/249 240V/300W		£16.58	**£19.90**
26575	Lamps	Projector Lamp A1/259 (ELC) 24V/250W		£11.49	**£13.79**

Please Note: Some imported items are suffering fluctuating stock levels. For certainty check before ordering.

ANALOGUE BOOKS

EXPERIMENTAL PHOTOGRAPHY: A HANDBOOK OF TECHNIQUES

If you're looking for a book that inspires your ideas about alternative and analogue photography – this might be it. It brings the focus of photography back to the camera, the equipment and the techniques, showing that you don't need filters to achieve organic and astonishing photographs. It explains the creative processes in which early analogue processes such as collodion and salt printing developed but importantly their relevance in merging with todays' digital photographic world.
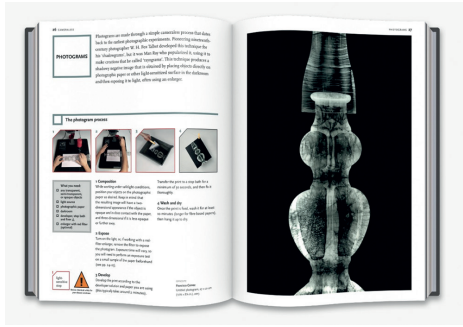
It shows the flexibility of the medium when stripped down to its purest form and includes additional illustrated interviews with some of the most exciting practicing photographers today. This is all done with easy-to-follow step-by-step instructions for some forty technical processes: cameraless techniques such as photograms and camera obscura; pinhole, toy and hand-built cameras; camera hacking; manipulating negatives and printing processes; and post-printing treatments such as mordançage and bleaching.

ARS IMAGO ANALOGUE PHOTOGRAPHY

Ars-Imago's book is unique in recent times in that it is a comprehensive guide for film photographers, both new and old.

It is inspired by the aesthetic of vintage user manuals and is beautifully illustrated to inform and educate in the fundamental technical sides of both film cameras and film photography. Although having said that, it is not difficult to master as the book has six main sections and is structured so that you can access it in either a linear or non-linear way.

It opens with a concise description outlining the basic mechanics of taking a photograph. The beginner can then read through from cover to cover, while a more advanced photographer can dip in and out. You can easily navigate through the text and cross-references are underlined and listed with their relevant page number at the top of each page. There's also a complete and detailed index at the back.

Don't expect to find tips on how to take "better photos" though. The purpose of the book is to get you to understand the mechanics of photography, and once grasped, let you take creative control of your camera and thereby use it as a tool for taking "your photos" precisely as you like them.

So whether you have found an old Pentax at the Charity Shop, or inherited a Leica, this book provides all the information needed to help you understand your camera and get out and start using it. As a primer or a reference manual, this is the perfect book to (re)kindle your love of analogue photography.

THE PHOTOGRAPHY TEACHER'S HANDBOOK

The Photography Teacher's Handbook is an educator's resource for developing active, flipped learning environments in and out of the photo classroom, featuring ready-to-use methods to increase student engagement and motivation. The book uses the latest research on the cognitive science of active learning; this book presents groundbreaking strategies to inspire students to collaborate, explore, and internalise photographic principles and concepts. The innovative practices in this book reimagine the traditional, scholarly pedagogy into a dynamic, teacher-guided, learner-centred approach. Spread over 19 Chapters, this 256-page book hits the right blend of teacher and student requirements for teaching the subject of photography.
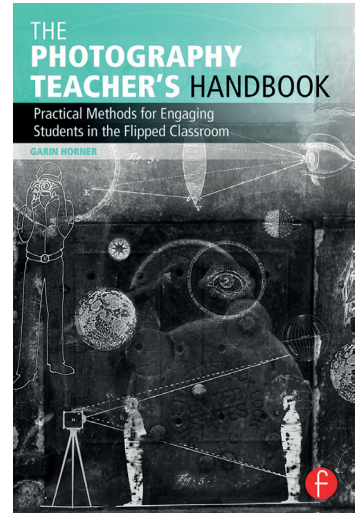
Key features include:
- Step-by-step instructions that explain how and why to flip a photography classroom
- Hands-on exercises and activities to help students take charge of their learning experience
- Practical advice from more than 100 respected photography educators
- An interactive companion website with informative videos, links, and resources for students and teachers alike.

ALTERNATIVE PHOTOGRAPHIC PROCESSES

new

Alternative Photographic Processes teaches techniques, both analogue and digital, allowing artists to bring a personal touch through manipulation of a photograph, the negative, and the print. This book stands apart from recent publications on alternative processes by presenting a range of new approaches and methods to achieve popular techniques, as well as providing step-by-step guidance for an array of unique techniques meant to inspire artists working in various mediums.
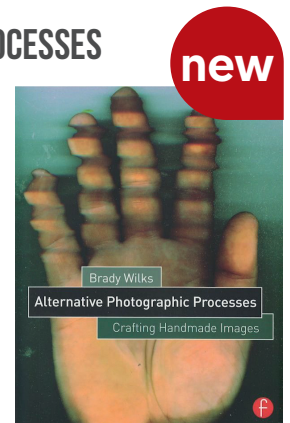
Through detailed guidance, working artist examples, and info about the contemporary use of these processes, this book will provide instruction for students, educators, and artists to expand their creative toolbox.

Contents include:
- Capture Techniques • Film & Transparency Manipulation for Wet Lab Processes & Scanning
- Substrate Acquisition • Substrate Manipulation • Transfers & Lifts
- Print and Image Manipulation • Appropriated Art, Collage & Cameraless imaging
- Waxing, Encaustic and Resins • Installation & 3-Dimensionsal Object Photography
- : Alternatives to Finishing & Presentation

It's thoroughly recommended for providing ideas and topics for teachers to inspire their students in trying new and unique techniques in the world of picture creation.

BOOKS

Code	Product		Zero VAT
20179	Pinhole Photography, Fourth Edition by E Renner	Comprehensive guide for all Pinhole Photography work	£24.99
20181	Photography 4.0: A Teaching Guide for the 21st Century by M.Bogre	Educators share thoughts and assignments	£28.00
20228	Teaching Photography	by G.Rand/R.Zakia, A professional tutors book	£33.00
20259	Reframing Photography - Theory and practice	by R.Modrak and Bill Anthes - A course book of photographic reference	£23.99
20264	Alternative Photographic Processes - Crafting Handmade Images	by B.Wilks - A course book in alternative processes	£33.00
20270	The Photography Teacher's Handbook	by G.Horner. Practical Methods for Engaging Students in the Flipped Classroom	£34.99
20271	Digital Photo Assignments	by S. Anchell. Projects for All Levels of Photography Classes	£31.99
20272	Experimental Photography: A Handbook of Techniques	by L. Bendandi. Step-by-step manual for experimental techniques.	£16.49
20274	Analogue Photography	by Andrew Bellamy, A reference manual for shooting film	£18.00
20275	FLAVR - Film Lovers Analogue Visual Reference	Great examples of colours and tones you get with different films, showing what you can achieve.	£37.00

Black and White Paper

Paper Chemicals

No Darkroom

Alternative Process

RAW Chemicals

Inkjet Paper

Inkjet Cartridges

Print Storage

Mounting

Index

BLACK AND WHITE PAPER

The choice of black-and-white photographic papers is extensive. In addition to selecting the brand, quantity, and size of paper, you must consider the paper base, contrast control, speed, surface, image tone, colour, tint, and weight. Having said all that, your choice of paper today is nowhere near as extensive as it was when we started our business twenty-eight years ago.

Today, when we refer to darkroom paper, we exclusively mean enlarging papers, sensitive to light and used to create images from negatives that are projected by an enlarger onto the paper.

As time has evolved, most of the specialist-made contact papers have gone, along with many art and lith papers loved by devoted darkroom enthusiasts. What has become the norm in recent times though, is the preponderance of Multigrade or variable contrast printing.

Our black and white paper portfolio today is divided into four areas. Multigrade Resin Coated, Multigrade Fibre, Specialist and (while still available) Graded.

MULTIGRADE RESIN COATED

ILFORD MULTIGRADE RC DELUXE PAPER

Multigrade is a type of black and white darkroom paper, developed by Ilford, that allows the user to obtain five different grades (and half grades) from a single sheet of paper. This new version is the fifth generation of product development.

The advantages of buying such a type of paper are evident from a cost-saving viewpoint, but it also gives the printer a chance to experiment with the chosen negative, to provide the best possible effect, if you need an increase or decrease in contrast.

Over the years, other companies have also introduced variable contrast paper to compete with Ilford, although Ilford still offers the most extensive choice on the market.

Most of their paper is available in the three surfaces of Glossy, Pearl (silk with a slight sheen), or Satin (matt sheen, which is only an option with the Multigrade paper). We also stock the full complement of sizes and surfaces.

Ilford's Multigrade RC Deluxe is a 190gsm, Resin Coated (plastic coating) paper with a slightly warmer base tint than its predecessor as well as better blacks, improved mid-grade spacing and better toning qualities.

Kentmere, also made in the U.K. by Harman, is still a cheaper alternative. Being 15% cheaper, it has a full grade range from 0-5, but if you want full-grade selection and outstanding results we would recommend Ilford.

To use Multigrade paper correctly, you need a set of Multigrade or equivalent filters to set your required grades (without filters all Multigrade papers will print as a grade 2). You can use our filters with Ilford, or Ilford's as needed. You can also use a colour head for Multigrade work, and we can supply colour head settings if needed, inform us of the enlarger and paper that you are using.

GRADED PAPER

Due to the decision by Harman Technology to phase out Graded RC and Galerie FB darkroom printing paper this year, we are no longer listing them in our catalogue. We still have stock of some packs, so look on our website for current availability.

MULTIGRADE RC WARMTONE & COOLTONE

Apart from the regular Multigrade RC paper, you have two further choices of base tint colour by selecting either Multigrade Warmtone or Cooltone.

Cooltone produces a sharper, punchier image (especially using a gloss surface) when compared to the equivalent Warmtone Multigrade. We particularly recommend the paper if you are using under-exposed negatives.

It is a faster paper than RC IV or Warmtone.

Multigrade Warmtone produces a rich, warm black image on a warm white base without the complications of using fibre-based paper. If you have a special negative, particularly if it is a portrait, try Warmtone RC and develop in Fotospeed WT10, Harman Warmtone or Rollei WA developers for a beautiful, dreamy image.
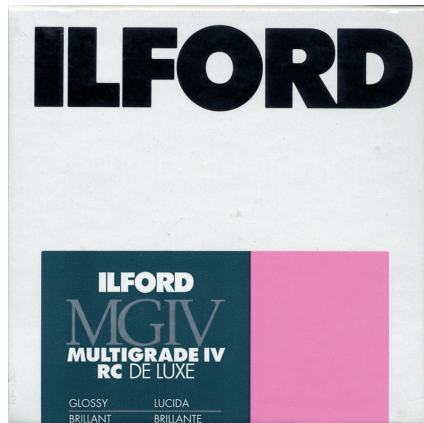
REASONS TO BUY YOUR DARKROOM PAPER FROM FIRSTCALL

- We carry all the listed ranges in stock
- We offer a next day delivery service
- We can provide optimum filter settings for your Multigrade enlargers
- We can have a fault finding service – by phone or mail
- We employ darkroom specialists who use and understand your requirements

MULTIGRADE RC PAPER

Code	Brand	Product Name	Ex VAT	Inc VAT
11078	Ilford	Multigrade RC Deluxe, Glossy, 3 x 3 inch Paper, 100 Sheets	£20.08	£24.09
11046	Ilford	Multigrade RC Deluxe, Glossy, 3.5 x 5.5in, Pk of 100	£20.83	£24.99
11047	Ilford	Multigrade RC Deluxe, Pearl, 3.5 x 5.5in, Pack of 100	£20.83	£24.99
11076	Ilford	Multigrade RC Deluxe, Glossy, 4 x 5in, Pack of 25	£15.41	£18.49
11048	Ilford	Multigrade RC Deluxe, Glossy, 5 x 7in, Pack of 25	£13.91	£16.69
11049	Ilford	Multigrade RC Deluxe, Pearl, 5 x 7in, Pack of 25	£11.41	£13.69
11050	Ilford	Multigrade RC Deluxe, Glossy, 5 x 7in, Pack of 100	£38.58	£46.29
11051	Ilford	Multigrade RC Deluxe, Pearl, 5 x 7in, Pack of 100	£38.58	£46.29
11052	Ilford	Multigrade RC Deluxe, Satin, 5 x 7in, Pack of 100	£38.58	£46.29
11053	Ilford	Multigrade RC Deluxe, Satin, 5 x 7in, Pack of 25	£13.91	£16.69
11054	Ilford	Multigrade RC Deluxe, Glossy, 6.5 x 8.5in, Pack of 100	£54.74	£65.69
11055	Ilford	Multigrade RC Deluxe, Pearl, 6.5 x 8.5in, Pack of 100	£54.74	£65.69
11056	Ilford	Multigrade RC Deluxe, Glossy, 8 x 10in, Pack of 25	£27.08	£32.49
11057	Ilford	Multigrade RC Deluxe, Pearl, 8 x 10in, Pack of 25	£27.08	£32.49
11058	Ilford	Multigrade RC Deluxe, Satin, 8 x 10in, Pack 25	£27.08	£32.49
11059	Ilford	Multigrade RC Deluxe, Glossy, 8 x 10in, Pack of 100	£68.99	£82.79
11060	Ilford	Multigrade RC Deluxe, Pearl, 8 x 10in, Pack of 100	£68.99	£82.79
11061	Ilford	Multigrade RC Deluxe, Satin, 8 x 10in, Pack of 100	£68.99	£82.79
11062	Ilford	Multigrade RC Deluxe, Glossy, 9.5 x 12in, Pack of 50	£53.74	£64.49
11063	Ilford	Multigrade RC Deluxe, Pearl, 9.5 x 12in, Pack of 50	£53.74	£64.49
11064	Ilford	Multigrade RC Deluxe, Satin,9.5 x 12in, Pack of 50	£53.74	£64.49
11065	Ilford	Multigrade RC Deluxe, Satin, 11 x 14in, Pack of 50	£86.74	£104.09
11066	Ilford	Multigrade RC Deluxe, Pearl, 11 x 14in, Pack of 50	£86.74	£104.09
11079	Ilford	Multigrade RC Deluxe, Glossy, A4, Pack of 100	£94.33	£113.19
11067	Ilford	Multigrade RC Deluxe, Glossy, 12 x 16in, Pack of 10	£29.24	£35.09
11068	Ilford	Multigrade RC Deluxe, Pearl, 12 x 16in, Pack of 10	£29.24	£35.09
11069	Ilford	Multigrade RC Deluxe, Satin, 12 x 16in, Pack 10	£29.24	£35.09
11070	Ilford	Multigrade RC Deluxe, Glossy, 12 x 16in, Pack of 50	£84.58	£101.49
11071	Ilford	Multigrade RC Deluxe, Pearl, 12 x 16in, Pack of 50	£84.58	£101.49
11193	Ilford	Multigrade RC Deluxe, Satin, 12 x 16in, Pack of 50	£84.33	£101.19
11072	Ilford	Multigrade RC Deluxe, Glossy, 16 x 20in, Pack of 10	£46.24	£55.49
11073	Ilford	Multigrade RC Deluxe, Pearl, 16 x 20in, Pack of 10	£46.24	£55.49
11196	Ilford	Multigrade RC Deluxe, Satin, 16 x 20in, Pack of 10	£46.24	£55.49
11074	Ilford	Multigrade RC Deluxe, Glossy, 16 x 20in, Pack of 50	£132.24	£158.69
11075	Ilford	Multigrade RC Deluxe, Pearl, 16 x 20in, Pack of 50	£132.24	£158.69
11197	Ilford	Multigrade RC Deluxe, Satin, 16 x 20in, Pack of 50	£132.24	£158.69
11077	Ilford	Multigrade RC Deluxe, Pearl, 20 x 24in, Pack of 50	£185.24	£222.29
11202	Ilford	Multigrade RC Portfolio Glossy, 4 x 6in, 100 Sheets	£67.24	£80.69
11203	Ilford	Multigrade RC Portfolio Pearl 4 x 6in, 100 Sheets	£62.49	£74.99
11204	Ilford	Multigrade RC Portfolio Pearl 5 x 7in, 100 Sheets	£44.83	£53.79
11209	Ilford	Multigrade RC Portfolio Pearl 8 x 10in, 100 Sheets	£140.29	£168.35
11248	Ilford	Multigrade Warmtone RC Glossy 8 x 10in, Pack of 25	£28.74	£34.49
11249	Ilford	Multigrade Warmtone RC Pearl 8 x 10in, Pack of 25	£28.74	£34.49
11250	Ilford	Multigrade Warmtone RC Glossy 8 x 10in, Pack of 100	£102.33	£122.79
11251	Ilford	Multigrade Warmtone RC Pearl 8 x 10in, Pack of 100	£102.33	£122.79
11252	Ilford	Multigrade Warmtone RC Glossy 9.5 x 12in, Pack of 50	£71.66	£85.99
11253	Ilford	Multigrade Warmtone RC Pearl 9.5 x 12in, Pack of 50	£71.66	£85.99
11254	Ilford	Multigrade Warmtone RC Glossy 12 x 16in, Pack of 10	£31.08	£37.29
11255	Ilford	Multigrade Warmtone RC Pearl 12 x 16in, Pack of 10	£31.08	£37.29
11256	Ilford	Multigrade Warmtone RC Glossy 12 x 16in, Pack of 50	£118.66	£142.39
11257	Ilford	Multigrade Warmtone RC Pearl 12 x 16in, Pack of 50	£118.66	£142.39
11259	Ilford	Multigrade Warmtone RC Pearl 16 x 20in, Pack of 10	£50.49	£60.59
11260	Ilford	Multigrade Warmtone RC Pearl 16 x 20in, Pack of 50	£177.91	£213.49
11270	Ilford	Multigrade Cooltone RC Glossy 8 x 10in, Pack of 25	£26.99	£32.39
11271	Ilford	Multigrade Cooltone RC Pearl 8 x 10in, Pack of 25	£26.99	£32.39
11272	Ilford	Multigrade Cooltone RC Glossy 8 x 10in, Pack of 100	£71.24	£85.49
11273	Ilford	Multigrade Cooltone RC Pearl 8 x 10in, Pack of 100	£71.24	£85.49
11274	Ilford	Multigrade Cooltone RC Glossy 9.5 x 12in, Pack of 50	£54.41	£65.29
11275	Ilford	Multigrade Cooltone RC Pearl 9.5 x 12in, Pack of 50	£54.41	£65.29
11278	Ilford	Multigrade Cooltone RC Glossy 12 x 16in, Pack of 50	£86.99	£104.39
11279	Ilford	Multigrade Cooltone RC Pearl 12 x 16in, Pack of 50	£86.99	£104.39
14995	Kentmere	VC Select Glossy, 5 x 7in, Pack of 25	£9.49	£11.39
14996	Kentmere	VC Select Fine Lustre, 5 x 7in, Pack of 25	£9.49	£11.39
14997	Kentmere	VC Select Glossy, 5 x 7in, Pack of 100	£26.91	£32.29
14999	Kentmere	VC Select Fine Lustre, 5 x 7in, Pack of 100	£26.91	£32.29
15006	Kentmere	VC Select Glossy, 8 x 10in, Pack of 25	£20.41	£24.49
15008	Kentmere	VC Select Fine Lustre, 8 x 10in, Pack of 25	£20.41	£24.49
15030	Kentmere	VC Select Glossy, 8 x 10in, Pack of 100	£56.49	£67.79
15031	Kentmere	VC Select Fine Lustre, 8 x 10in, Pack of 100	£56.49	£67.79
15032	Kentmere	VC Select Glossy, 9.5 x 12in, Pack of 50	£45.99	£55.19
15034	Kentmere	VC Select Fine Lustre, 9.5 x 12in, Pack of 50	£45.99	£55.19

MULTIGRADE FIBRE BASED PAPER

Code	Brand	Product Name	Ex VAT	Inc VAT
11328	Ilford	Multigrade FB Classic Glossy, 5 x 7in, 100 Sheets	£55.33	£66.39
11329	Ilford	Multigrade FB Classic Matt, 5 x 7in, 100 Sheets	£55.33	£66.39
11330	Ilford	Multigrade FB Classic Glossy, 8 x 10in, 25 Sheets	£37.08	£44.49
11331	Ilford	Multigrade FB Classic Matt, 8 x 10in, 25 Sheets	£37.08	£44.49
11332	Ilford	Multigrade FB Classic Glossy, 8 x 10in, 100 Sheets	£114.41	£137.29
11333	Ilford	Multigrade FB Classic Matt, 8 x 10in, 100 Sheets	£114.41	£137.29
11334	Ilford	Multigrade FB Classic Glossy, 9.5 x 12in, 10 Sheets	£21.58	£25.89
11335	Ilford	Multigrade FB Classic Matt, 9.5 x 12in, 10 Sheets	£21.58	£25.89
11336	Ilford	Multigrade FB Classic Glossy, 9.5 x 12in, 50 Sheets	£88.08	£105.69
11337	Ilford	Multigrade FB Classic Matt, 9.5 x 12in, 50 Sheets	£88.08	£105.69
11338	Ilford	Multigrade FB Classic Glossy, 12 x 16in, 10 Sheets	£39.83	£47.79
11339	Ilford	Multigrade FB Classic Matt, 12 x 16in, 10 Sheets	£39.83	£47.79
11340	Ilford	Multigrade FB Classic Glossy, 12 x 16in, 50 Sheets	£147.41	£176.89
11341	Ilford	Multigrade FB Classic Matt, 12 x 16in, 50 Sheets	£147.41	£176.89
11342	Ilford	Multigrade FB Classic Glossy, 16 x 20in, 10 Sheets	£62.41	£74.89
11343	Ilford	Multigrade FB Classic Matt, 16 x 20in, 10 Sheets	£62.41	£74.89
11344	Ilford	Multigrade FB Classic Glossy, 16 x 20in, 50 Sheets	£224.08	£268.89
11345	Ilford	Multigrade FB Classic Matt, 16 x 20in, 50 Sheets	£224.08	£268.89
11350	Ilford	Multigrade FB Cooltone, Glossy, 5 x 7in, 100 Sheets	£60.41	£72.49
11351	Ilford	Multigrade FB Cooltone, Glossy, 8 x 10in, 25 Sheets	£40.74	£48.89
11352	Ilford	Multigrade FB Cooltone, Glossy, 8 x 10in, 100 Sheets	£119.49	£143.39
11353	Ilford	Multigrade FB Cooltone, Glossy, 9.5 x 12in, 10 Sheets	£23.74	£28.49
11354	Ilford	Multigrade FB Cooltone, Glossy, 9.5 x 12in, 50 Sheets	£96.58	£115.89
11355	Ilford	Multigrade FB Cooltone, Glossy, 12 x 16in, 10 Sheets	£43.99	£52.79
11356	Ilford	Multigrade FB Cooltone, Glossy, 12 x 16in, 50 Sheets	£160.24	£192.29
11357	Ilford	Multigrade FB Cooltone, Glossy, 16 x 20in, 10 Sheets	£68.74	£82.49
11358	Ilford	Multigrade FB Cooltone, Glossy, 16 x 20in, 50 Sheets	£244.99	£293.99
11301	Ilford	Multigrade FB Warmtone Glossy 8 x 10in, Pack of 25	£46.24	£55.49
11302	Ilford	Multigrade FB Warmtone Glossy 8 x 10in, Pack of 100	£149.16	£178.99
11303	Ilford	Multigrade FB Warmtone Glossy 9.5 x 12in, Pack of 10	£26.24	£31.49
11304	Ilford	Multigrade FB Warmtone Glossy 9.5 x 12in, Pack of 50	£107.49	£128.99
11305	Ilford	Multigrade FB Warmtone Glossy 12 x 16in, Pack of 10	£44.08	£52.89
11306	Ilford	Multigrade FB Warmtone Glossy 12 x 16in, Pack of 50	£181.91	£218.29
11307	Ilford	Multigrade FB Warmtone Glossy 16 x 20in, Pack of 10	£73.91	£88.69
11308	Ilford	Multigrade FB Warmtone Glossy 16 x 20in, Pack of 50	£304.16	£364.99
11309	Ilford	Multigrade FB Warmtone S-Matt 8 x 10in, Pack of 25	£46.24	£55.49
11310	Ilford	Multigrade FB Warmtone S-Matt 8 x 10in, Pack of 100	£149.16	£178.99
11311	Ilford	Multigrade FB Warmtone S-Matt 9.5 x 12in, Pack of 10	£26.24	£31.49
11312	Ilford	Multigrade FB Warmtone S-Matt 9.5 x 12in, Pack of 50	£107.49	£128.99
11313	Ilford	Multigrade FB Warmtone S-Matt 12 x 16in, Pack of 10	£44.08	£52.89
11314	Ilford	Multigrade FB Warmtone S-Matt 12 x 16in, Pack of 50	£181.91	£218.29
11315	Ilford	Multigrade FB Warmtone S-Matt 16 x 20in, Pack of 10	£73.91	£88.69
11316	Ilford	Multigrade FB Warmtone S-Matt 16 x 20in, Pack of 50	£304.16	£364.99
11317	Ilford	MG ART 300, 5 x 7 in, 50 Sheets	£37.33	£44.79
11318	Ilford	MG ART 300, 8 x 10 in, 50 Sheets	£84.58	£101.49
11319	Ilford	MG ART 300, 9.5 x 12 in, 30 Sheets	£72.24	£86.69
11320	Ilford	MG ART 300, 11 x 14 in, 10 Sheets	£40.24	£48.29
11321	Ilford	MG ART 300, 12 x 16 in, 30 Sheets	£135.33	£162.39
11322	Ilford	MG ART 300, 16 x 20 in, 30 Sheets	£204.24	£245.09
11323	Ilford	MG ART 300, 11 x 14 in, 30 Sheets	£98.58	£118.29
15239	Foma	Fomatone MG Classic 133, Velvet, 5 x 7, Pack 25	£9.92	£11.90
15240	Foma	Fomatone MG Classic 131, Glossy, 12 x 16, Pack 50	£124.17	£149.00
15241	Foma	Fomatone MG Classic 132, Semi Matte, 12 x 16, Pack 50	£103.33	£124.00
15242	Foma	Fomatone MG Classic 133, Velvet, 12 x 16, Pk 50	£103.33	£124.00
15243	Foma	Fomatone MG Classic 133, Velvet, 5 x 7, Pack 100	£39.17	£47.00

REMEMBER
Kentmere paper is up to 15% cheaper than Ilford Multigrade - making your budgets stretch further.

Sidebar tabs: Black and White Paper · Paper Chemicals · No Darkroom · Alternative Process · RAW Chemicals · Inkjet Paper · Inkjet Cartridges · Print Storage · Mounting · Index

Black and White Paper

Paper Chemicals

No Darkroom

Alternative Process

RAW Chemicals

Inkjet Paper

Inkjet Cartridges

Print Storage

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MULTIGRADE FOR PINHOLE IN 3 X 3 AND 4 X 5 INCH PACKS

You can make Pinhole work easier if you use Ilford's tailor-made Multigrade paper. They produce two paper sizes, especially for pinhole cameras. Using paper allows you to make contact prints directly from the paper when used as a negative and, although finally giving a reversed image, is much cheaper than using film or direct positive alternatives. Both in packs of 100, choose the 3 x 3-inch size when working with handmade pinhole cameras or 4 x 5-inch size when using Ilford's Harman or Obscura cameras. The 3 x 3-inch size is only available in a glossy surface.

ILFORD MULTIGRADE FILTER SETS

To use Multigrade papers with your enlarger (that does not have a colour head), you need a set of filters to achieve contrast grades.
Ilford's sets include twelve filters which are numbered 00-5 in 1/2 steps, with the lowest filter number corresponding to the softest contrast. Filters are available in sets of 8.9 x 8.9cm (3.5 x 3.5 inches) and 15.2 x 15.2cm (6 x 6 inches).
They can be used above or below the lens and can be cut to fit the enlarger filter drawer. Filter sizes 30 x 30cm (11.8 x 11.8 inches) are available to special order. A filter kit is also available for below the lens use. It comprises 12 mounted contrast filters, a mounted safelight filter and a filter holder.

MULTIGRADE FIBRE BASE

You nearly always choose Fibre-based paper when an exhibition print in black and white is required. The reason for this is because it is easier to mount and often lends itself to toning and manipulation. These papers are often chloro-bromide based, which always produce the most vibrant tones. They usually have the disadvantage, however, of being difficult to wash and dry properly.
Our best-seller is Multigrade Fibre Base Classic which offers sharp images, great Dmax and beautiful toning -images toned in Selenium render rich tones. Available in glossy or matt surface choices, it develops in 2-3 minutes with images appearing in around 30 seconds. Mid-tones also "drop-in" well, meaning less exposing work.
Multigrade Art 300 is for photographic students and fine art photographers who want the ultimate in high-quality printing media. Its 100% cotton rag paper base and acid-free nature combine to give it the feel of an Art paper. With a 300gsm aweight and textured feel it offers neutral to warmish tones on a cool base.
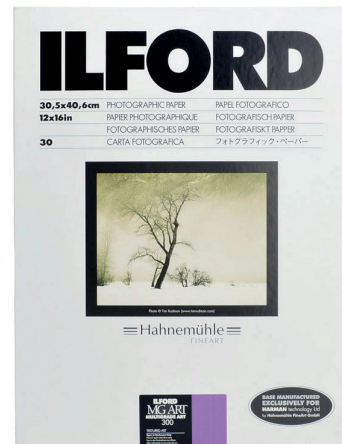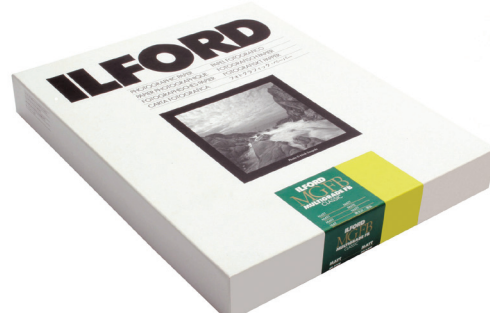
KENTMERE VC SELECT

Having realised that lots of paper is used to get "proofs" from negatives – contact printing or negative appraisal, why use a premium brand paper on these occasions especially when there's a significant amount of waste involved?
We recommend Kentmere VC Select for most variable contrast printing requirements in the darkroom. Made in the UK at the Harman factory its quality is guaranteed. VC Select is an excellent silver chlorobromide enlargement paper on an RC base. With its pure white base and 270/m2 medium weight, it offers little fog and high maximum density with great mid-black tones.
Kentmere VC Select will render all grades (1-5), is available in glossy or lustre surface and a box of 8 x 10 inch 100 sheets costs only £54.49 including VAT which is 16% less than the equivalent Ilford Multigrade IV RC paper.
Kentmere paper no longer offers the full range when compared to Ilford Multigrade particularly in the bigger sized packs.

ILFORD EDUCATIONAL FILTER SET – UNDER £16

This low-cost filter set, made by Ilford, costs you less than half the price of their full set. You can use the Educational VC Filter Set with all variable contrast photographic papers including Ilford Multigrade or Kentmere VC. Especially for students; the filters can be employed above or below the lens and cut to size to fit your enlarger's filter drawer.
Easy to use, they offer a wide contrast range to obtain high-quality prints from most negatives. They differ from Ilford sets in that they only have six full grade filters (no half-grades).

MULTIGRADE FILTERS					
Code	Brand	Product	Description	Ex VAT	Inc VAT
11182	Ilford	Multigrade Filter Set, 8.9cm	3in. (8.9cm), filters fit into drawer	£34.83	£41.79
11183	Ilford	Multigrade Filter Set, 15.2cm	6in. (15.2cm), filters fit into drawer	£65.66	£78.79
11184	Ilford	Multigrade Filter Set, 8.9cm, Below Lens	Filters fit below lens by using holder included	£73.66	£88.39
25066	Ilford	Educational Filter Set, 8.9cm	Set of 6 filters, 0-5 grades	£12.91	£15.49

Please Note: Some imported items are suffering fluctuating stock levels. For certainty check before ordering.

SPECIALIST AND DIRECT PAPERS

HARMAN'S DIRECT POSITIVE FB PAPER

- 'Positive' paper - no need for a negative
- Genuine silver gelatine photo paper
- Coated on 255 gsm Fibre Baryta base
- Fixed grade, high contrast paper
- Glossy surface
- Slow ISO speed (around ISO 1 - 3)

Harman Direct Positive FB paper is a high quality, traditional silver gelatine black and white, high contrast paper, on a 255g/m2 fibre base with a Glossy surface.

This paper gives a positive image when processed and saves the hassle of negative exposure and development. It gives prints with rich blacks, bright whites and sharp tonal reproduction. The image tone remains neutral in all viewing conditions. Processing is carried out using normal black and white paper processing chemicals with identical development times,This paper is fibre-based, so you need to wash it well, and it does not dry as flat as normal resin-coated papers.

Imago Direct Positive RC Paper is an easier-to-use alternative being coated on to a 192gsm Melinex base.
Process both papers in standard black and white paper developers with your normal chemicals.

DIRECT POSITIVE PAPER

Code	Brand	Product Name	Ex VAT	Inc VAT
11455	Harman	Direct Positive FB, 4 x 5 in, Pack of 25	£29.58	£35.49
11456	Harman	Direct Positive FB, 5 x 7 in, Pack of 25	£39.41	£47.29
11457	Harman	Direct Positive FB, 8 x 10 in, Pack of 25	£92.74	£111.29
11458	Harman	Direct Positive FB, 11 x 14 in, Pack of 10	£69.41	£83.29
11464	Imago	Direct Positive Black & White RC, 5 x 4in, Pack of 25	£29.92	£35.90
11465	Imago	Direct Positive Black & White RC, 5 x 7in, Pack of 25	£44.92	£53.90
11466	Imago	Direct Positive Black & White RC, 8 x 10in, Pack of 10	£41.58	£49.90
11471	Imago	Direct Positive Black & White RC, 12 x 16in, Pack of 10	£90.75	£108.90
11467	Firstcall	Black Photographic Bags, for 5 x 7 Paper, Pack 20	£4.99	£5.99
11468	Firstcall	Black Photographic Bags, for 8 x 10 Paper, Pack 20	£9.99	£11.99
11469	Firstcall	Black Photographic Bags, for 12 x 16 Paper, Pck 20	£11.66	£13.99

LITHABLE PAPER FROM FOMA

Fomatone MG Classic is a very special speciality paper which comes as 131, 132 & 133 produces warm tones, a cream base and is excellent for toning. Code 131 gloss, 132 matt, 133 velvet.

Offering a warm chloro-bromide emulsion means it will tone and lith well, so any number of final variation colours is available.

For lith development, we recommend Moersch's Lith Developer Kit. For warm tone development, we suggest Ilford Warmtone, Fotospeed or Neutol WA developers.

FOMASPEED GRADED

Code	Brand	Product Name	Ex VAT	Inc VAT
15226	Foma	Fomaspeed N311, Normal (Gd 3) Glossy, 9.5 x 12, Pk 25	£20.41	£24.49
15227	Foma	Fomaspeed N311, Normal (Gd 3) Glossy, 12 x 16, Pack 10	£15.83	£19.00
15229	Foma	Fomaspeed N312, Normal (Gd 3) S/Matte, 9.5 x 12, Pk 25	£20.83	£25.00
15230	Foma	Fomaspeed N312, Normal (Gd 3) S/Matte, 12 x 16, Pack 10	£15.83	£19.00
15231	Foma	Fomaspeed N312, Normal (Gd 3) S/Matte, 20 x 24, Pack 10	£38.08	£45.69
15238	Foma	Fomaspeed C311, Hard (Gd 4) Glossy, 4 x 6, Pack 100	£17.33	£20.79
15232	Foma	Fomaspeed C311, Hard (Gd 4) Glossy, 9.5 x 12, Pack 25	£20.41	£24.49
15233	Foma	Fomaspeed C311, Hard (Gd 4) Glossy, 12 x 16, Pack 10	£15.83	£19.00
15234	Foma	Fomaspeed C311, Hard (Gd 4) Glossy, 20 x 24, Pack 10	£35.58	£42.69

FOMATONE MG

Code	Brand	Product Name	Ex VAT	Inc VAT
15239	Foma	Fomatone MG Classic 133, Velvet, 5 x 7, Pack 25	£9.92	£11.90
15240	Foma	Fomatone MG Classic 131, Glossy, 12 x 16, Pack 50	£124.20	£149.00
15241	Foma	Fomatone MG Classic 132, Semi Matte, 12 x 16, Pack 50	£103.30	£124.00
15242	Foma	Fomatone MG Classic 133, Velvet, 12 x 16, Pk 50	£103.30	£124.00
15243	Foma	Fomatone MG Classic 133, Velvet, 5 x 7, Pack 100	£39.17	£47.00

BERGGER PAPERS

Bergger is France's oldest photographic materials supplier. Although much has changed over the years, all their products still exhibit individuality and are associated with excellent quality and repeatable results.

They now produce two different Specialist FB papers- Prestige and COT 320.

Prestige Variable comes in two tones - NB is a bromide neutral image tone, while CB is their chlorobromide warm tone version. Both are glossy, variable-contrast fibre-based papers with tones that you can further enhance with the use of different developers.

COT-320 Art is a non-sensitized paper, made from 100% cotton and perfectly matched for use in alternative printing processes like platinum, palladium, Cyanotype, Kallitype or Van Dyke. Formerly part of the fibre base for Bergger Silver Supreme, COT-320 is still Made in France. This naturally white (320 gram) cotton rag paper, with its smooth texture finish, gives a fantastic finish to any old process work as there are no chemical additives to detract from the desired effect.
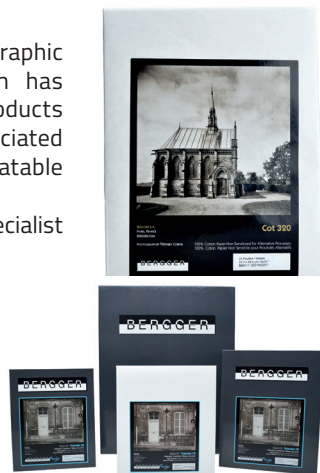
BERGGER FIBRE BASED PAPERS

Code	Brand	Product Name	Ex VAT	Inc VAT
42000	Bergger	Prestige Variable NB FB Glossy, 8 x 10in, Pk 10	£11.41	£13.69
42001	Bergger	Prestige Variable NB FB Glossy, 8 x 10in, Pk 25	£27.49	£32.99
42002	Bergger	Prestige Variable NB FB Glossy, 9.5 x 12in, Pk 25	£33.58	£40.29
42003	Bergger	Prestige Variable NB FB Glossy, 12 x 16in, Pk 25	£53.83	£64.59
42004	Bergger	Prestige Variable NB FB Glossy, 16 x 20in, Pk 25	£79.99	£95.99
42005	Bergger	Prestige Variable NB FB Glossy, 20 x 24in, Pk 25	£123.33	£147.99
42006	Bergger	Prestige Variable CB FB Glossy, 8 x 10in, Pk 10	£12.33	£14.79
42007	Bergger	Prestige Variable CB FB Glossy, 8 x 10in, Pk 25	£21.58	£25.89
42008	Bergger	Prestige Variable CB FB Glossy, 9.5 x 12in, Pk 25	£43.91	£52.69
42009	Bergger	Prestige Variable CB FB Glossy, 12 x 16in, Pk 25	£72.49	£86.99
42010	Bergger	Prestige Variable CB FB Glossy, 16 x 20in, Pk 25	£117.83	£141.39
42011	Bergger	Prestige Variable CB FB Glossy, 20 x 24in, Pk 25	£175.74	£210.89
42012	Bergger	COT-320 Art, 8 x 10in, Pack of 25	£13.33	£16.00
42013	Bergger	COT-320 Art, 10 x 12in, Pack of 25	£18.00	£21.60
42014	Bergger	COT-320 Art, 11 x 14in, Pack of 25	£21.48	£25.77
42015	Bergger	COT-320 Art, 16 x 20in, Pack of 25	£44.79	£53.75
42016	Bergger	COT-320 Art, 20 x 24in, Pack of 25	£67.12	£80.54
42017	Bergger	COT-320 Art, 1.30 x 10m, Roll	£112.86	£135.43

Black and White Paper

Paper Chemicals

No Darkroom

Alternative Process

RAW Chemicals

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ADOX LUPEX SILVER CHLORIDE CONTACT PAPER

If you own a large format camera, you can expose photographic printing paper in the camera, and once developed in the darkroom, this creates a paper negative.

The tones of the original scene are reversed in the negative. Bright things become dark on the paper, and dark things become light. You can then make contact prints from these paper negatives instead of enlargements. The process is called contact printing because you squeeze the negative face down in contact with the sheet of silver-gelatin printing paper (between two sheets of glass) and shine a bright light through it to print the image into the paper. The print is exactly the same size as the negative. This same principle can also be achieved by printing the paper negative onto an inkjet printer which is then ready immediately for transfer to the darkroom for contact printing.

This is like darkroom printing in an old-fashioned way, and now there's a special silver chloride paper from Adox called Lupex to achieve such enlargements in just 60 seconds. Contact printing produces amazing images.

new

ADOX LUPEX CONTACT PRINTING PAPER

Code	Brand	Product	Ex VAT	Inc VAT
41006	Adox	Lupex Silver Chloride Contact Paper, 4 x 5in, Pack of 100	£36.66	£43.99
41007	Adox	Lupex Silver Chloride Contact Paper, 5 x 7in, Pack of 100	£64.16	£76.99
41008	Adox	Lupex Silver Chloride Contact Paper, 8 x 10in, Pack of 5	£13.33	£15.99
41009	Adox	Lupex Silver Chloride Contact Paper, 8 x 10in, Pack of 50	£73.33	£87.99
41010	Adox	Lupex Silver Chloride Contact Paper, 9.5 x 112in, Pack of 25	£52.49	£62.99
41011	Adox	Lupex Silver Chloride Contact Paper, 11 x 14in, Pack of 25	£70.83	£84.99
41012	Adox	Lupex Silver Chloride Contact Paper, 12 x 16in, Pack of 25	£87.49	£104.99
41013	Adox	Lupex Silver Chloride Contact Paper, 16 x 20in, Pack of 25	£145.83	£174.99

COLOUR RA4 PAPER
PRINTING FROM COLOUR NEGATIVES

RA-4 is the general name for colour processes when printing colour negatives. To process the paper, we recommend RA-4 chemicals from Tetenal.
Processing drums from Jobo or Paterson or ordinary developing dishes can be used to process the prints, although tray processing is less practical than processing in a drum. In particular, temperature control (38 degrees) is needed; the steps should be done in complete darkness, careful agitation is required to avoid uneven development and streaks in the print.

FUJI CRYSTAL ARCHIVE RA-4 PAPER

Fuji is the mainstay of darkroom colour printing enthusiasts when it comes to printing on Colour RA4 sheets in the darkroom.
Fuji Crystal Archive RA4 colour paper is available in both glossy and lustre surfaces, in boxes of 50 or 100 sheets. It gives exceptional resistance to image deterioration. Your prints should last up to 30 years, and you will get particularly smooth skin tones, with reds appearing deeper and more vibrant and yellows clearer. The white base yields purer highlights and a heightened sensation of three-dimensional depth.

COLOUR RA4 PAPER

Code	Brand	Product	Ex VAT	Inc VAT
23050	Fujifilm	Crystal Archive Glossy, 8 x 10in, Pack of 100	£62.33	£74.79
23051	Fujifilm	Crystal Archive Lustre, 8 x 10in, Pack of 100	£62.33	£74.79
23052	Fujifilm	Crystal Archive Glossy, 12 x 16in, Pack of 50	£73.74	£88.49
23053	Fujifilm	Crystal Archive Lustre, 12 x 16in, Pack of 50	£73.74	£88.49
23054	Fujifilm	Crystal Archive Glossy, 20 x 24in, Pack of 50	£187.83	£225.39
23055	Fujifilm	Crystal Archive Lustre, 20 x 24in, Pack of 50	£187.83	£225.39
23067	Fujifilm	Crystal Archive Glossy, 10 x 12in, Pack of 50	£47.91	£57.49
23068	Fujifilm	Crystal Archive Lustre, 10 x 12in, Pack of 50	£47.91	£57.49

COLOUR PAPER CHEMICALS

When you want to process your colour RA4 paper, in some ways, it is a lot easier than black and white in that all the chemicals you need come neatly supplied in a kit for you. However, if one thing in analogue photography has suffered a lot in the last 25 years, it is the area of darkroom printing in colour.
It is not surprising when most colour printing needs to be done in complete darkness, and the allure of inkjet printing (and convenience) is hard to ignore.
For colour workers who want to buy their colour print chemicals we offer the small (2.5 litre) Adox kit or the more professional Tetenal RA4 option.

COLOUR CHEMICALS

Code	Brand	Product	Ex VAT	Inc VAT
19091	Adox	RA4 Professional Kit, 2.5 litres	£18.99	£22.79
27496	Bellini	RA4 Kit, 5 litres	£32.49	£38.99
19090	Tetenal	Colortec RA4 Professional Kit, 5 litres	£92.74	£111.29

Please Note: Some imported items are suffering fluctuating stock levels. For certainty check before ordering.

PAPER CHEMICALS
BLACK AND WHITE PAPER CHEMICALS

The chemical steps for processing black-and-white prints are primarily the same as those for processing black-and-white film: developer, stop bath, and fixer. However, the developer and (sometimes) fixer for papers are usually different from those for films. The developer must be relevant for the paper you are using. Photo paper developers do not need to be the same as the manufacturer of the paper and finding timing combinations of non-standard paper developers is a lot easier than that for film.

PAPER DEVELOPERS

One thing that we recommend is that you find a developer that you like and become confident using it before experimenting with new ones.

When buying a developer, you can assume they divide into categories according to the black tones that each product produces. Most RC or bromide fibre-based papers that need a neutral black result will be suited to development with PQ Universal or PD5 from Fotospeed.

ROLLEI RPN ECO PAPER DEVELOPER

With Health & Safety paramount in modern thinking, it is great to sell a new print developer that is both eco- friendly, and (because there are no restrictions in respect to current labelling) simpler to transport and to discard. Neutol ECO is a hydroquinone-free high-power paper developer based on ascorbic acid. It is ideal for schools, colleges or community darkrooms. There is no compromise in quality or processing speed either. In fact, Neutol Eco is faster working than comparable hydroquinone containing developers. One litre makes ten litres of working solution. We also offer new Eco developers this year from Adox and Bellini.

ILFORD HARMAN WARMTONE PRINT DEVELOPER

For work with fibre-based papers, you may require a warm tone or softer image. The developers to use for this often yield brown blacks like Ilford Multigrade or if you want a warm to brown-black, we recommend developers like Tetenal's Variobrom WA or Fotospeed's WT10. If you were using Ilford Warmtone or Foma's Art papers, we would particularly recommend the Harman Warmtone developer. This developer is a liquid concentrate hydroquinone developer suitable for the dish/tray developing of all black and white photographic papers both resin coated (RC) and traditional fibre based (FB). Use it at a dilution of 1+9. It is not suitable for developing film.

MOERSCH LITH DEVELOPER

Moersch produces one of the few developing kits for those who want to lith print. You can change the image tone widely by experimenting with the different dilutions and additives included in the Master Set.

You get complete instructions that include telling you how to use and achieve fine adjustments for creating different effects with the paper/developer combinations.

The diluted developer is, for a lith developer, very stable. For example, 500ml working solution at 1+10 without any extra anti-oxidant solution will last around 8 - 10 hours in an 8 x 10-inch developing dish.

You can also turn it completely off so that the lith developer works more like a brown toner.

FOTOSPEED PD5 PRINT DEVELOPER

PD5 print developer is a phenidone/hydroquinone developer concentrate designed for black and white paper both resin coated and fibre based. PD5 is also suitable for processing sheet film and comes in one or five-litre containers. It dilutes 1+9 or down to 1+4 for faster processing.

ILFORD MULTIGRADE PRINT DEVELOPER

For certain results, you often require blue or cold blacks, usually for use in magazine or newspaper work. The developers to choose here are neutral to blue-black like Multigrade, or neutral to cold black like Fotospeed PD5. Multigrade is the brand-leading liquid concentrate developer suitable for developing all black and white papers. You can use it at the standard dilution of 1+9 or 1+14 for greater development control and economy. It is both clean working and has excellent keeping properties and gives a neutral image tone with most papers.

BELLINI ECO PRINT DEVELOPER

Part of our Eco Range of developing chemicals, that we especially created for safer use in schools and colleges, this darkroom paper developer comes without harmful Hydroquinone and instead is based on Ascorbic Acid and Dimezone. You'll find improved handling and disposing after use when working with this chemical.

It's suitable for developing all black and white paper and produces a neutral tone, very quickly with intense blacks and absence of fogging. There are two other good things about Bellini's paper developing chemicals. Firstly it's the only brand that is a small size, which allows you to try it without a big outlay generally you can't buy a cheaper eco-developer than this one.

The concentrate dilutes 1 + 9 with water and development is complete in 2 minutes.

new

Black and White Paper

Paper Chemicals

No Darkroom

Alternative Process

RAW Chemicals

Inkjet Paper

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UNIVERSAL DEVELOPER

Universal developer is one that develops film and paper. We sell two versions; Ilford PQ or Champion Suprol.

Champion Suprol Universal Film and Print Developer is available as one concentrate and dilutes at 1+19 for film and 1+9 for paper. Being a PQ developer, it can happily be used in the photo department, therefore cutting down on double chemical costs.

POWDER DEVELOPER

Powder developers have an excellent shelf-life of over a year in unopened packets. You can use Adox Konstant Universal paper developer for manual and automatic processing of all kinds of photo papers, RC or Fibre types, with processing taking 45 seconds to 3 minutes depending on the paper. It produces neutral image tones (similar to Ilford Multigrade or PQ) with constant development times and is excellent value for money. It is the developer to put in your cupboard for the unexpected printing session or when you need to guarantee freshly mixed developer. The powder comes in Part A and Part B and when mixed, will make 2x 1 litres of working solution.

TETENAL EUKOBROM PRINT DEVELOPER

Tetenal Eukobrom is a rapid developer for all b/w papers but especially for fibre-based prints. It is our recommendation for fibre-based printing in a liquid developer is preferred. It gives rich blacks and glowing highlights. Dilute 1 + 9. Capacity: up to 5m2 material per 1 litre of working solution meaning but you should be able to process 200 sheets of 8 x 10" paper from a single litre purchase.

ILFORD BROMOPHEN PRINT DEVELOPER

Bromophen is a powder developer made from phenidone/hydroquinone. You can use it for dish/tray development of all black and white Resin Coated or Fibre Based papers. It gives a slightly warm image tone with most papers and is recommended for use with warm-tone types.

It is one of the few developers that we recommend for users of fibre-based paper.

You dissolve the pack contents in water to make 5L solution and then dilute 1:3 for use. The pack will therefore make 20 litres of working solution.

It is highly stable and gives full density plus tonal range through its working cycle, falling off steeply as it exhausts.
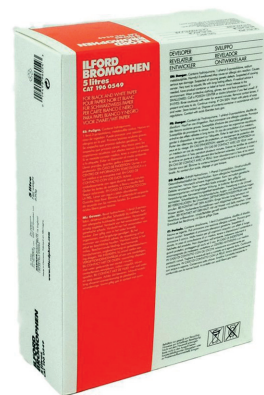
ECONOMICAL MACHINE PROCESSING KIT FOR THE 2150XL

new

With many Ilford Ilfolab 2150 RC processors still being used at colleges, the tailor-made Ilford 2150XL developer and fixer, liquid concentrate chemical kit, is an excellent answer to "fuel" the processor.

They are economical, easy to use and resistant to contamination. With a high print capacity, they can produce excellent prints from all black & white resin-coated photographic papers.

A single kit is sufficient to fill the Ilfolab 2150 RC processor and will then process up to 1000 8 x 10-inch prints (515 ft2 of paper).

Code	Brand	Product		Ex VAT	Inc VAT
**PAPER DEVELOPERS**					
40900	Adox	Adotol Konstant Universal Paper Developer, 1 litre	Powder, for all Black and White paper, makes 1 litre	£3.16	£3.79
41117	Adox	Neutol Eco Paper Developer, 1 litre	Liquid, hydro-quinone free, makes 5 litres	£13.99	£16.79
41118	Adox	Neutol NE Paper Developer, 1 litre	Liquid, neutral black, makes 10 litres	£13.74	£16.49
27478	Bellini	Eco Range Paper Developer, 1 litre	Hydroquinone Free, makes 10 litres	£10.00	£12.00
27479	Bellini	Eco Range Paper Developer, 500ml	Hydroquinone Free, makes 5 litres	£6.04	£7.25
42027	Bergger	WarmTone Paper Developer, 1 litre	The best warmtone developer on the market, makes up to 13 litres	£14.41	£17.29
13025	Fotospeed	PD5 Universal Paper Developer, 1 litre	Liquid, for all Black and White paper, makes 10 litres	£9.49	£11.39
13026	Fotospeed	PD5 Universal Paper Developer, 5 litres	Liquid, for all Black and White paper, makes 50 litres	£37.99	£45.59
13029	Fotospeed	DV10 Varigrade Paper Developer, 1 litre	Liquid, MG alternative, makes 10 litres	£10.49	£12.59
13030	Fotospeed	DV10 Varigrade Paper Developer, 5 litres	Liquid, MG alternative, makes 50 litres	£42.00	£50.40
13077	Fotospeed	WT10 Warm Tone Paper Developer, 1 litre	Liquid, variable warmth, makes 10 litres	£9.49	£11.39
11034	Ilford	PQ Universal Paper Developer, 500 ml	Liquid, for B&W paper, makes 5 litres	£9.99	£11.99
11035	Ilford	PQ Universal Paper Developer, 5 litres	Liquid, for B&W paper, makes 50 litres	£31.08	£37.29
11036	Ilford	Bromophen Paper Developer, 5 litres	Powder, for B&W paper, makes 20 litres	£15.49	£18.59
11037	Ilford	2150XL Developer + Fixer Kit 2x 3 litres	Liquid, for Ilford 2150XL tablke top processor.	£69.58	£83.49
11041	Ilford	Multigrade Paper Developer, 1 litre	Liquid, brand leader, makes 10 litres	£15.83	£18.99
11042	Ilford	Multigrade Paper Developer, 5 litres	Liquid, brand leader, makes 50 litres	£32.74	£39.29
11043	Ilford	Warmtone Multigrade Paper Developer, 1 litre	Liquid, for all WT papers, makes 10 litres	£14.08	£16.89
18006	Kodak	Polymax T Developer, 940ml	Liquid, for most black and white papers, makes 8.4 L	£13.58	£16.29
18007	Kodak	Dektol Paper Developer 3.8 litres	Powder, for most black and white papers, makes 3.8 L	£17.41	£20.89
41130	Moersch	Lith 5 Master Kit, 2x 500ml	Lith printing chemical kit, makes 10-30 litres	£36.66	£43.99
41113	Rollei	RPN eco Paper Developer, 1 litre	Liquid, hydroquinone free, makes 10 litres	£12.83	£15.39
41112	Rollei	RPN Paper Developer, 1 litre	Liquid, long-life, makes 10 litres	£13.07	£15.69
19035	Tetenal	Eukobrom Paper Developer, 1 litre	Liquid, universal developer, makes up to 10 litres	£17.74	£21.29
19040	Tetenal	Variobrom WA Paper Developer, 1 litre	Liquid, multi-contrast for warm tones, makes up to 10 litres	£20.08	£24.09

Please Note: Some imported items are suffering fluctuating stock levels. For certainty check before ordering.

PAPER STOP BATHS AND FIXERS

The vast majority of the stop baths and fixers we sell are multi-use for film and paper. There are few exceptions but if it is a multi-use, you must remember, when using a fixer with paper, to dilute it with a lower concentration than you have used for the film (Stop bath is the same dilution for both).

PAPER STOP BATH

The primary function of the stop bath is to halt the development process and to remove the excess developer from the paper. We do not recommend that you only use running water for this purpose because you need to neutralise the developer and prevent contamination of the fixer. The stop bath also removes the calcium and magnesium deposits present in hard water that often form during development.

The most commonly used paper stop bath is an acetic acid solution. Odour free citric acid stop baths are also available but are not as potent as acetic acid versions, so often cost more.
Multi-use Stop baths now often come with a dye that changes the colour of the solution when exhausted. Most papers have a required immersion time in the stop bath—typically fifteen to thirty seconds for it to be effective.

CHEAPEST STOP BATH

only £10.29

We do not sell a cheaper stop bath than the one from Ilford. Ilfostop is a citric acid odourless stop bath, made in Germany, that has a universal application for all black & white films and photographic RC/ FB papers.
It has an indicator dye to warn of exhaustion. It also makes for a more pleasant darkroom environment due to its odourless formula. It dilutes at 1+19 with water in all applications and works out at only £1.02 per litre of working solution.
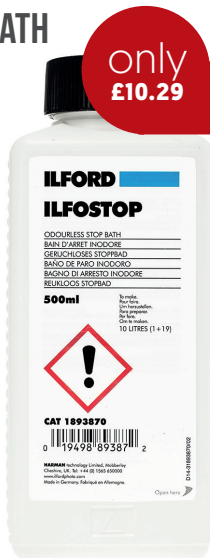
ODOUR FREE STOP BATH

Using a citric odourless stop bath makes for a safer and sweeter-smelling darkroom when compared to traditional acetic acid stop bath. By using this type of stop bath, you remove allergies and skin irritations, and it is equally suitable for film or paper use. Choose from Bellini, Fotospeed or Tetenal. All dilute at 1+19 in either application, come with indicator dye to warn of exhaustion, and are ready to wash after 1 minute of immersion. With them you will find, they also protect your fixer life and performance with no alkali carry-over from the developer.

STOP BATH					
Code	Brand	Product		Ex VAT	Inc VAT
27482	Bellini	Eco Range Universal Stop Bath, 1 litre	Citric Acid Monohydrate, makes 20 litres	£9.00	£10.80
13034	Fotospeed	SB50 Odourless Stop Bath, 1 litre	Liquid, including dye indicator, makes 20 litres	£11.08	£13.29
13037	Fotospeed	SB50 Odourless Stop Bath, 5 litres	Liquid, including dye indicator, makes 100 litres	£44.33	£53.19
11025	Ilford	Ilfostop Stop Bath , 500 ml	With indicator, based on citric acid, makes up to 10 l	£8.58	£10.29
11362	Ilford	Simplicity Film Stop Bath, 30ml	Enough black and white stop bath to process 2 films	£3.58	£4.29
18001	Kodak	Indicator Stop Bath, 470ml	Liquid, including dye indicator, makes 30 litres	£7.49	£8.99
41120	Rollei	RCS Odourless Stop Bath, 1 litre	Liquid, including dye indicator, makes 17 litres	£14.58	£17.49
19030	Tetenal	Indicet Odourless Stop Bath, 1 litre	Based on citric acid, with indicator, makes 20 l	£20.83	£24.99

PAPER FIXERS

The fixer stabilises the image, removing the unexposed silver halide remaining on the photographic paper, leaving behind the reduced metallic silver that forms the image. In effect, it stops the paper from going black in daylight. This remaining compound will dissolve in water, and you can then rinse it off the paper. As a rule of thumb, you should allow 2 minutes for paper fixing.
There are two types of fixer. The acidified "hypo" type's main ingredient is sodium thiosulphate. You mainly use Sodium fixers in film processing. The other type of fixer contains acidified ammonium thiosulphate. Ammonium thiosulphate fixers halve the fixing time and are often called rapid fixers. Our recommended fast fixer is Ilford Rapid Fixer; and if you use at 1+9, fixing is complete in 30 seconds.
When using fixers for a paper you should note that the dilutions are often weaker than those for film.

SODIUM FIXERS

There are not too many sodium fixers left on the market now as everyone puts a priority on speed in processing. However, Kodak's version is a traditional hardening Sodium Thiosulphate fixer powder that makes a stock solution of 3.8 litres for fixing film, but you can also dilute the stock 1:3 for fixing paper. Tetenal market a time saver fixer called Superfix Plus that eliminates the need for a stop bath after development.

FIXER TABLETS

Tetenal Superfix Tabs are a new advance in dry chemistry which you then dilute in water to process most black and white film or darkroom paper.

They come in two parts (A and B) and, when diluted, will make 3 litres of fixer, enough to fix 20 films or 4.5 litres sufficient to fix up to 160 sheets of RC darkroom paper. You'll therefore always have fresh chemistry with an extremely long storage life and ease of safe transport, even on aeroplanes, offering consistent results time after time.

CHAMPION AMFIX

Amfix universal fixer dilutes at 1+4 for film or 1+9 for prints of all types. It offers rapid fixing times and high throughput potential. Available in 1 litre or 5 litre concentrates it makes your budgets last longer. We believe that no other 5-litre fixer is cheaper than this one from Champion.

ILFORD RAPID AND HYPAM

Hypam used to be available in all sizes, but now only 5-litre containers are available. Hypam is different from Rapid fixer, which is Ilford's standard offering in 500ml and 1-litre bottles because Ilford adds a hardener to Hypam to make a hardening fixer. That said, both are ammonium thiosulfate rapid fixers, and thus very similar in use. Both give you quicker wash times that are possible with a non-hardening fixer. You can use both for film and paper at a dilution of 1+4 dilution for film and 1+9 for the paper.

ADOX ADOFIX PLUS

new

Adox's Adofix Plus is an excellent value, high-capacity, express fixer for all black-and-white photo materials (black and white photo paper (RC or Fiber-based), film, and sheet. It's intended for use in trays, tanks, and processing machines.

You can make up to 10 litres of working solution with one litre of concentrate. Dilution is either 1+4 (recommended for film use) or 1+9.

Capacity: 1.4 - 2 sq. meters of photo paper of 6-10 films per litre of working solution at 1+9 dilution. Total capacity: 45 films or 200 sheets of 8x10 inch photo paper.

It'll stay fresh if kept unopened for about two years, but after opening the concentrate, it should be used within three months.

ROLLEI FIX AG PLUS

Fix Ag is the new name for fixers made by Agfa Gevaert in Belgium (previously known as Agefix). This non-hardening, ammonium thiosulphate concentrated fixer can be diluted 1+9 for standard use or 1+7 for faster fix times. This is particularly useful when you want to minimize immersion thereby reducing your wash times for example when fixing fibre-base paper. It can also be dilutes at 1+4 for when using it as a film fixer which means this rapid fixer works in exactly the same way as Hypam but costs £10 less per 5 litre container.

ODOURLESS FIXER

Fotospeed's helping hand in making your darkroom a sweeter smelling place is extended with their odourless fixer, which is suitable for film and paper use. The FX30 fixer standard dilution is 1+9. It makes for a more pleasant working environment in your darkroom, pH neutral; it is available in 1 or 5-litre containers. The use of stop bath is recommended to extend the life of the fixer. Tetenal also makes odourless fixer, but only in a one-litre size.

> If you would like to find out if your fixer is exhausted then the Tetenal Fixing Bath Test Kit is the answer. It uses litmus paper tests to provide 100 individual determinations for silver and acid content.

ADOX P UNIVERSAL FIXER

Adox Adofix P is unusual in that it is a universal powder acid fixer for films and papers - all others being liquid. You can use it for manual processing of most types of black and white photo papers and films. This light-weight powder fixer, based on Sodium Thiosulphate, has an excellent shelf life. Both the powder and the working solution are very durable. The benefits of Adofix P are evident when economy is required, but it is also an option where fixer concentrates are unfavourable to use (i.e. climatic conditions with high temperatures and high humidity).

PAPER FIXERS

Code	Brand	Product		Ex VAT	Inc VAT
40905	Adox	Adofix P II Universal Fixer, 1 litres	Powder, for film and paper, makes 1 litre	£2.91	£3.49
26334	Adox	Adofix Plus Fixer, 100ml	Baby bottle fixes 4 films	£2.91	£3.49
40909	Adox	Adofix Plus Fixer, 500ml	Liquid, for film and paper, makes 5 litres	£5.33	£6.39
40910	Adox	Adofix Plus Fixer, 1 litre	Liquid, for film and paper, makes 10 litres	£8.33	£9.99
27481	Bellini	Eco Range Universal Fixer, 1 litre	Ammonium Hyposulfite, makes 5-10 litres	£11.24	£13.49
26116	Champion	Amfix Fixer, 1 litre	Liquid, for film and paper, makes 5 l for film or 10 l for prints	£6.24	£7.49
26117	Champion	Amfix Fixer, 5 litres	Liquid, for film and paper, makes up to 50 litres	£21.83	£26.19
13010	Fotospeed	FX20 Fixer, 1 litre	Liquid, film and paper, makes up to 10 litres	£8.74	£10.49
13011	Fotospeed	FX20 Fixer, 5 litres	Liquid, film and paper, makes up to 50 litres	£34.83	£41.79
13012	Fotospeed	FX30 Odourless Fixer, 1 litre	Liquid, for film and paper, makes up to 10 litres	£8.74	£10.49
13014	Fotospeed	FX30 Odourless Fixer, 5 litres	Liquid, for film and paper, makes up to 50 litres	£34.83	£41.79
11020	Ilford	Rapid Fixer, 500 ml	Liquid, film and paper, makes up to 5 litres	£11.74	£14.09
11021	Ilford	Rapid Fixer, 1 litre	Liquid, film and paper, makes up to 10 litres	£16.08	£19.29
11022	Ilford	Hypam Fixer, 5 litres	Liquid, film and paper, makes up to 50 litres	£45.41	£54.49
18036	Kodak	Professional Rapid Fixer with Hardener, 1 L	For film and paper, makes up to 3.8L; Solution A 946ml, Solution B 106ml	£17.66	£21.19
41114	Rollei	Fix AG, 1.2 litres	Liquid, for film & paper, makes up to 12.5 litres	£10.00	£12.00
41115	Rollei	Fix AG, 5 litres	Liquid, for film & paper, makes up to 50 litres	£24.58	£29.49
41116	Rollei	Fix AG Plus, 5 litres	Liquid, for film & paper, makes up to 50 litres	£28.74	£34.49
19043	Tetenal	Superfix Plus Fixer, 1 litre	Liquid, rapid fixer, makes up to 10 litres	£15.91	£19.09
19045	Tetenal	Superfix Plus Fixer, 5 litres	Liquid, rapid fixer, makes up to 50 litres	£27.83	£33.39
19129	Tetenal	Superfix B/W Film & Paper Fixer Tablets (20)	20 individiual fixer dry tablets - pack will process up to 60 films or 160 sheets of RC paper	£24.99	£29.99

CYANOTYPE PRINTING

At Firstcall, we offer a wide range of products that enable you to experience the popular craft of Cyanotype or sun printing.

Printing-out paper, chemistry and cotton material is all available separately but Jacquard's cyanotype system takes the guess work out for you thereby allowing you to obtain these distinctive Prussian blue monochromatic prints with a minimal outlay.

JACQUARD CYANOTYPE SET

only £14.79

This cyanotype starter kit, which is sufficient to make 60x eight by ten-inch prints (depending on the absorbency of the substrate) is only £14.79 inc VAT, sufficiently cheap enough to give every student in the class an individual kit.
It is an excellent way to get started in cyanotype printing and includes:

- Part A - Potassium Ferricyanide 0.8 oz/23.2 g
- Part B - Ferric Ammonium Citrate 1.9 oz/54.4 g

We include full instructions for use on any natural surface, including cotton, linen, silk, canvas, wool, paper, wood and leather. You can find Quick instructions in the Manufacturer's Description on our website. Film negatives (Jacquard or PermaJet) can also be used to create the image if required.

CREATE YOUR OWN CYANOTYPE MURAL

If you need to produce a large, custom size or collaborative print, then this Mural Fabric is perfect for your use.

1 Spread fabric out in direct sunlight and quickly arrange design elements on top.
2 After exposing 3-15 minutes, submerge fabric in water.
3 Line-dry your cyanotype mural print and you're done!

Made from the same 100% cotton sateen fabric as the sheet packets we sell, this five feet by seven feet material is an easy way to make a large sun print.
Pull the sheet out of the package, arrange the objects on the sheet (you can even do full-body prints if you want), expose to light for 3-15 minutes depending on conditions, rinse with cool water and then allow to air dry.

CYANOTYPE PRETREATED FABRIC SHEETS

These unique, pre-treated versions of this beautiful process, requires no further chemical treatment or darkroom or photographic equipment and being cotton offer a quality alternative to paper. Jacquard's Pretreated Fabric Sheets are made from 100% cotton sateen.
Expose the material to sunlight or UV (3-15 minutes, depending on conditions), placing the objects or a film negative (Jacquard or PermaJet) on top to create an image. After exposure, wash in cool water and allow to air dry.
There is a choice of the same size (8.5 x 11 inches) in packs of either 10 or 30 sheets.

JACQUARD CYANOTYPE DIY

Jacquard's DIY cyanotype chemistry is inexpensive and goes a long way.
Two base chemicals work to make a Cyanotype Kit. These are Potassium Ferricyanide which is a red salt that is used with Ferric Ammonium Citrate (the light-sensitive iron salt) needed for the cyanotype printing.
Despite their perhaps alarming names, both are safe to handle and mix. That said, care should be taken to avoid ingestion, inhalation and contact with skin. Both are available from us in 8 oz (230-gram) jars.

FIRSTCALL PRINTING-OUT PAPER

Printing-out paper or Sunprints are based on the old process of cyanotype printing. Cyanotype photographs are made by placing objects such as leaves, shells, flowers or textured patterns onto the surface and exposing for about 1-2 minutes in sunlight onto a sheet of our paper. The paper is then rinsed with water for 30 seconds to reveal the print. The result is an image formed by light and objects. The objects block light from the paper, creating white shapes. Areas not blocked – exposed to light entirely – are blue/cyan.
We thoroughly recommend this paper for art and nature projects within schools.
We sell 5 x 7 and 8 x 10 treated versions of this beautiful paper which require no further chemical treatment, darkroom or photographic equipment. The 5 x 7 prints work out at only 55p including VAT each when bought in packs of 10.

JACQUARD CYANOTYPE

Code	Brand	Product		Ex VAT	Inc VAT
40099	Firstcall	Cyanotype Printing-Out Paper, 8 x 10 inches	Pack of 10. Watercolour Cyantype	£15.82	£18.99
40100	Firstcall	Cyanotype Printing-Out Paper, 5 x 7 inches	Pack of 10. Matt	£6.66	£7.99
13089	Fotospeed	Cyanotype Process Kit	All you need for Cyanotypes	£35.66	£42.79
13095	Fotospeed	Cyanotype Sensitizer, 50ml	Replacement sensitizer for the Fotospeed Cyanotype Kit	£18.24	£21.89
40101	Hahnemule	Platinum Rag 300, 8 x 10 inches Pack of 25	Uncoated fine art paper for platinum printing Palladium, Van Dyke, Cyanotype and Salt Prints.	£14.16	£16.99
26963	Jacquard	Cyanotype Pretreated Fabric Sheets - 10 pk	10 sheets of 8.5 x 11 inch cotton sateen fabric	£15.49	£18.59
26964	Jacquard	Cyanotype Pretreated Fabric Sheets - 30 pk	30 sheets of 8.5 x 11 inch cotton sateen fabric	£30.99	£37.19
26965	Jacquard	Cyanotype Pretreated Mural Fabric	Five feet by seven feet of cotton sateen fabric	£46.41	£55.69
26966	Jacquard	Cyanotype Set	Complete chemical set to start cyanotype printing	£12.33	£14.79
26967	Jacquard	Cyanotype Potassium Ferricyanide - 230 g	Make your own cyanotype - a cheap and fun photo process	£9.66	£11.59
26968	Jacquard	Cyanotype Ferric Ammonium Citrate - 230 g	Make your own cyanotype - a cheap and fun photo process	£11.41	£13.69
26969	Jacquard	Cyanotype Class Pk - To teach up to 30 students	Complete class pack set to start cyanotype printing	£74.99	£89.99
27005	Rockland	Blueprint Kit, 500ml	Creates Cyanotypes, covers 24s 8 x 10in., makes 500ml	£37.50	£45.00

Side tabs: Black and White Paper | Paper Chemicals | No Darkroom | Alternative Process | RAW Chemicals | Inkjet Paper | Inkjet Cartridges | Print Storage | Mounting | Index

Black and White Paper

Paper Chemicals

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JACQUARD SOLARFAST DYES

Sun activated dyes are taking the photographic and art markets by storm. We recommend this modern version of sun printing that lets you coat photo-sensitive dyes onto cotton, silk, suede, paper, wood, leather or just about any natural porous material. Just coat in subdued light (no darkroom necessary), expose to sunlight/UV and wash.

They can be used to create photograms, shadow prints, painting, dyeing, silk-screening, batik and more! Expose your design to sunlight and watch the colour appear! It is set permanently once exposed. Wash out the unexposed dye in hot soapy water and agitate vigorously.

All the colours are available in economical 8-ounce bottles now; add a wash liquid (for post-exposure permanency) and transfer film and you are all set to make stunning sun prints.

Digital Transfer Film is recommended for this process as you need to print your large negatives that can then be laid down on top of the receptor once painted with the dye. Both Jacquard and PermaJet sell their own, but we recommend Pictorico high-quality film for its choice of sizes, packs and price. This transparent film handles much more ink than an average overhead transparency sheet. It is a fast-drying, water-resistant film with enhanced clarity, has a weight of 174gsm and works with dye or pigment inks such as Ultrachrome K3. On the Jacquard SolarFast website, you will find video tutorials to help you get the most from their dyes. You can mix all fourteen in the range, and a real rainbow of photo printing opportunity awaits you.

- Take an inkjet printer
- Create a printed negative with it
- Paint dye onto your receptor surface
- Overlay your negative in the sun and hey-presto
- You've got a real photo with no darkroom required

JACQUARD SOLARFAST				
Code	Brand	Product	Ex VAT	Inc VAT
26947	Jacquard	SolarFast Starter Kit	£26.24	£31.49
26929	Jacquard	SolarFast Film, 8 Sheets	£12.49	£14.99
26930	Jacquard	SolarFast 8 Fl Oz Dye No 100, Golden Yellow	£10.83	£14.99
26931	Jacquard	SolarFast 8 Fl Oz Dye No 101, Orange	£10.83	£14.99
26932	Jacquard	SolarFast 8 Fl Oz Dye No 102, Burnt Orange	£10.83	£14.99
26933	Jacquard	SolarFast 8 Fl Oz Dye No 103, Scarlet	£10.83	£14.99
26934	Jacquard	SolarFast 8 Fl Oz Dye No 104, Red	£10.83	£14.99
26935	Jacquard	SolarFast 8 Fl Oz Dye No 105, Violet	£10.83	£14.99
26936	Jacquard	SolarFast 8 Fl Oz Dye No 106, Purple	£10.83	£14.99
26937	Jacquard	SolarFast 8 Fl Oz Dye No 107, Blue	£10.83	£14.99
26938	Jacquard	SolarFast 8 Fl Oz Dye No 108, Teal	£10.83	£14.99
26939	Jacquard	SolarFast 8 Fl Oz Dye No 109, Green	£10.83	£14.99
26940	Jacquard	SolarFast 8 Fl Oz Dye No 110, Avocado	£10.83	£14.99
26941	Jacquard	SolarFast 8 Fl Oz Dye No 111, Sepia	£10.83	£14.99
26942	Jacquard	SolarFast 8 Fl Oz Dye No 112, Brown	£10.83	£14.99
26943	Jacquard	SolarFast 8 Fl Oz Dye No 113, Black	£10.83	£14.99
26944	Jacquard	SolarFast 8 Fl Oz No 901, Thickener	£10.83	£14.99
26945	Jacquard	SolarFast 8 Fl Oz No 902, Wash	£9.58	£11.49
19178	PermaJet	Digital Transfer Film, A4, Pack of 10	£17.46	£20.95
19179	PermaJet	Digital Transfer Film, A4, Pack of 50	£60.79	£72.95
19180	PermaJet	Digital Transfer Film, A3, Pack of 10	£30.79	£36.95
19181	PermaJet	Digital Transfer Film, A3, Pack of 50	£129.10	£154.95

JACQUARD SOLARFAST STARTER KIT

In addition to the 14 individual dyes, you can also buy a kit with everything you need to experiment with SolarFast for under £22.

Ideal for creating one-of-a-kind T-shirts or other unique sun prints on paper and fabric, the package includes three of the most popular colours (Orange, Violet and Blue) that you apply to the surface, expose to sunlight, and watch the colour magically appear!

Photograms, Shadow Prints, Hand-drawn designs as well as photographic prints can all be created using this kit. Included in the kit are three sheets of inkjet film, which can be run through any inkjet printer to produce a film negative when you want to create a photo print. To make all images stable you simply remove the undeveloped dye using SolarFast Wash (by washing in the washing machine), and you are done - no heat setting or chemical fixing necessary.

Kit contents:
- 3x 2oz/59 ml bottles of SolarFast (Orange, Violet and Blue)
- 1x 2oz/59 ml bottle SolarFast Wash
- Jacquard Film Marker
- 6 Small Sponges
- Gloves
- 8 T-Pins
- 3 Sheets SolarFast Film
- Backerboard
- Cotton Test Fabric
- Quick Start Guide
- Instructions

PHOTO TRANSFER GEL

Amsterdam Photo Transfer Gel is a medium that lets you transfer your photocopies and laser images to any new surface including pillows, canvases, ceramic tiles, mirrors, old wood, chalk and milk painted surfaces, any fabric, etc.

To use it, you first need to invert (reverse) your image either on your phone or in an image editing software program like Photoshop Elements. Then prepare the paper on the print side, then press it onto the transfer medium. After drying for 24 hours Afterwards, you can paint over the transferred image with acrylic paint or varnish to waterproof when dry. Full instructions are included.

Regrettably, the process will not work with inkjet prints.

INKAID — PRINT ON ANY SURFACE

This innovative medium lets you use your inkjet printers to print onto just about any relatively flat surface, giving the photographic artist the ability to create textures and surfaces never before possible.

inkAID coating comes in a bright white, matte surface or a clear semi-gloss. Printed images are clear and vibrant, with deep blacks. One moderate to heavy coat is recommended on a variety of surfaces like watercolour and printmaking papers, Japanese rice paper and other handmade and speciality papers, fabrics, canvas, wallpaper, metals, films, and wood veneer. A second coat may be applied on more porous surfaces if needed. inkAID is very water-resistant, and prints can be coated with water-based top coatings and varnishes.

PHOTO TRANSFER MEDIUM					
Code	Brand	Product		Ex VAT	Inc VAT
26988	Amsterdam	PhotoTransfer Gel, 500ml	Transfer your copied images to any medium	£13.33	£15.99
26999	inkAID	White Matte Coating 473ml (16oz)	Apply photos paper, canvas, leather, plexiglas etc	£29.17	£35.00
27000	inkAID	Clear Semi Gloss 473ml (16oz)	Apply photos to papers, canvas, fabric, leather etc	£29.17	£35.00

Please Note: Some imported items are suffering fluctuating stock levels. For certainty check before ordering.

FOTOSPEED TONER KITS

At the other end to trial packs are Fotospeed's bulk packs of their best-selling ST20 Sepia and RT20 Copper Red toners that offer substantial financial savings.

Each kit comes as a 500ml concentrate. The ST20 Sepia will cover 150 sheets of 8x10 inch paper, and the RT20 Red covers 80 sheets. If you're looking for Blue Toner; it now only comes from Foma.

Fotospeed ST20 Odourless Vario Sepia Toner can produce a broad range of sepia tones on Fibre and Resin Coated B&W papers. We supply the RT20 Red toner as a two-part concentrate making a single solution. You achieve the copper/red tone by the length of time the print is in the solution.

FOMA BLUE TONER

Czech-manufacturer, Foma, makes the only blue toner for all print makers to use. Available at a very reasonable price,Fomatoner Indigo toner gives a deep cobalt blue to an electric blue tone to photo papers and films.

To prepare a one-bath toner, you use both 250ml liquid parts (A + B) mixed and diluted with water with the intensity of resulting colour dependant on dilution, temperature and toning time. Toning takes place in daylight conditions at an average temperature of 20 - 25 degrees C. Dilution 1 + 1 to 1 + 4.

SEPIA TONING IS SO EASY

Toning brings to life tired mono prints or brings out a highlight in a small area. All you need is a sink, two developing dishes and two 600ml measuring cylinders, with the bonus of doing most of the work with the lights on! Our most popular toner is sepia, possibly because it creates nostalgic results. Buy in sulphide or triponal/variable options which create yellow-brown colours, from £7.29 inc VAT.

PERMAJET DIGITAL TRANSFER FILM

PermaJet clear inkjet film is perfect for sun printing that requires a negative. It is a fast-drying, water-resistant film with enhanced clarity and weight of 165u and works with dye or pigment inks such as Ultrachrome K3. It produces a high-quality image by handling much more ink than average.

There is a handy PDF fact sheet on our website that tells you how to reverse your original image, printer settings and output tweaking. PermaJet transfer film has the advantage of being available in small, 10-sheet packs for experimental projects.

It allows you to print in the darkroom onto traditional photographic paper too. If you have got a digital camera and inkjet printer you also can enter the magical world of darkroom printing.

TRANSPARENCY FILM AND TONERS

Code	Brand	Product		Ex VAT	Inc VAT
13043	Foma	Fomatoner Indigo Blue Toner, 2 x 250ml	For film or paper, makes up to 2 litres	£7.74	£9.29
13033	Fotospeed	ST20 Variable Sepia Toner, 150ml	Covers 75s of 8 x 10in., makes 1.5 litres	£9.89	£11.87
13035	Fotospeed	ST20 Variable Sepia Toner, 500ml	Covers 150s of 8 x 10in., makes 5 litres	£18.64	£22.37
13036	Fotospeed	RT20 Copper Red Toner, 150ml	Covers 24s of 8 x 10in., makes 1.5 litres	£9.28	£11.14
13038	Fotospeed	ST20 Variable Sepia Toner, 5 litres	Covers up to 1500 sheets of 8 x 10in., makes 50 litres	£107.50	£129.00
13052	Fotospeed	ST10 Odourless Sepia Toner, 100 ml	Non variable, makes 1 litre	£6.08	£7.29
26973	Ilford	Selenium Toner, 1 litre	Re-useable, makes 10 litres	£34.16	£40.99
25112	Kodak	Rapid Selenium Toner, 946 ml	Makes up to 20 litres	£24.24	£29.09
27001	Rockland	Halochrome Silver Toner, 240ml	Silver on white effect, covers forty 8x10 prints	£37.50	£45.00
27002	Rockland	Printint Colour Kit	Make pastel papers out of B&W prints,for 40s 8 x 10in.	£29.17	£35.00
27003	Rockland	FA-1 Sensitizer, makes 946ml	Lets you put photos onto material - brown/blackimages	£36.91	£44.29
27008	Rockland	SelectaColor Kit, 4oz	Selective colourizing prints, four colours, 4oz	£33.99	£40.79
27009	Rockland	Polytoner Toner Kit	Tone your prints any colour, covers 40s 8 x 10in.	£34.99	£41.99
27017	Rockland	PrintScreen Emulsion, 474ml	Make photo silkscreens without special equipment	£34.99	£41.99
19107	Tetenal	Sulphide Toner Sepia, 2.5 litre	2 bath Sepia, covers 30 8 x 10in., makes 1 litre	£41.66	£49.99
19178	PermaJet	Digital Transfer Film, A4, Pack of 10	165gsm	£17.46	£20.95
19179	PermaJet	Digital Transfer Film, A4, Pack of 50	165gsm	£60.79	£72.95
19180	PermaJet	Digital Transfer Film, A3, Pack of 10	165gsm	£30.79	£36.95
19181	PermaJet	Digital Transfer Film, A3, Pack of 50	165gsm	£129.10	£154.95

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ALTERNATIVE PROCESSES FROM LABOLDTECH

We list the Platinum/Palladium Kit (Kit 3) and a comprehensive range of Alternative Process supplies from LabOldTech of Italy.
They differ in two significant ways from all our current Alternative Process suppliers:

1. They cover the complete range of processes in kits with everything you need in one box. These include Platinum, Palladium, Ziatype, Wet Plate Collodion, Cyanotype, Gum Bichromate, Van Dyke and Kallitype

2. You can replace each part of the kit from component supplies

Email us if you want to order or know more about this range.

Code	Product		Ex VAT	Inc VAT
	LABOLDTECH			
27012	Platinum/Palladium Combo Print Kit (Kit 3)	Everything you need for these two alternative processes	£350.00	**£420.00**
27030	Sodium Tetrachloropalladate sol. 17%, 50ml	Replenishment sensitizer-Solution A	£351.67	**£422.00**
27031	Potassium Tetrachloroplatinite sol. 20%, 25ml	Replenishment sensitizer-Solution A	£212.50	**£255.00**
27032	Ferric Oxalate sol.27%, 25ml	Replenishment sensitizer-Solution B	£11.91	**£14.29**
27033	Ferric Oxalate+Potassium Chlorate sol.27%, 25ml	Replenishment sensitizer-Solution C	£12.16	**£14.59**
27034	Ammonium Citrate Dibasic, 500gm	Replenishment developer	£27.74	**£33.29**
27035	Tetrasodium EDTA Crystals, 1000gm	Clearing Bath	£26.67	**£32.00**
27036	Sodium Sulphite Anhydrous, 1 kg	Clearing Bath	£12.08	**£14.50**
27037	Sodium Cloroplatinate (Na2) sol. 5%, 100ml	Replenishment sensitizer-Solution C - used in place of the Iron Oxalate with contrast	£175.83	**£211.00**

ROCKLAND COLLOID TINTYPE KIT

Tintype is an old process and is considered to be an art form. Developed around 1856, many members of the public had their first portraits captured using this process.

Images were reproduced on metals, so tintypes were relatively inexpensive, and produced reasonably quickly. The picture looked old, due to the yellow emulsion colour, something that today's darkroom users find attractive about this alternative process.

Rockland's Tintype Kit often referred to as a Parlour Kit, is an authentic re-creation of the tintype process, a type of instant photography, favoured in your great-grandparent's day.

These are safe, dry-plate tintypes, also known as ferrotypes, like those found in antique shops, not modern imitations. Plates are thin enough to cut with scissors to fit inside any camera. The kit contains everything you need to make tintypes (or ambrotypes if coated on glass.)

You get eight 4 x 5-inch matte black anodised aluminium plates, high-sensitivity Light Light emulsion for coating, special tintype developer, fixer and complete instructions for use in the kit. Repeat supplies of plates, emulsion and developer are all available from us.

FOTOSPEED LIQUID EMULSION

This Grade 2, light-sensitive product is developed and fixed just any black and white paper. You heat it in a water bath, allowing it to melt. Full instructions for coating and exposure come with the product. This economical 250ml pack will make 1.25 litres of Liquid Emulsion, and it will coat the equivalent of 125 8 x 10 prints. Usually, the dilution of LE30 is 1+2, but 1+4 solutions are achievable (i.e.,.1.25 litres) by using a subbing layer first. In effect this means putting an undercoat of the solution onto the surface first, followed by a topcoat.

ROCKLAND LIQUID LIGHT EMULSION

This "higher" Grade 3 emulsion offers more versatility as, unlike Fotospeed, it comes pre-mixed. It is easy to apply and covers about 25 8 x 10-inch sheets or equivalent from the 240ml bottle. It is non-toxic, odour-free, diluted and ready for use. When used with filters, we recommend that the emulsion should be well dried after coating.

FOTOSPEED SALT PRINTING KIT

Salt Printing is the original process William Henry Fox Talbot announced in a paper read before the Royal Society on 31st January 1839. His method was to make Sun Pictures or Photogenic Drawings by spreading on a quantity of the nitrate of silver onto a sheet of paper and then leaving the paper in the sunshine. This kit, complete with three stabilisers, will allow you to replicate his process. It takes between 15 and 30 minutes in the sun to make a print. In the kit, you get five sheets of Canelletto 8x10 inch watercolour paper and enough sensitising solution for about eight sheets in total. We feel it is an excellent way to relate to the heritage of photography - and splendid fun too. Please note it needs and does not contain Ammonia.

FOTOSPEED ARGYROTYPE KIT

Argyrotype prints are warm toned, giving good contrast and midtone definition and this process also uses a silver-based sensitising solution, coated onto a quality art paper.

Exposure is by natural sunlight (you may need a UV light source for the winter months for speedier exposure) and development is in water with fixation using a simple hypo solution. Being silver based they can then be toned and dyed as they would have been in the early days. You make all images by the contact system, where the image depends on a negative of the right size. In the kit, you get everything you need.

Code	Brand	Product		Ex VAT	Inc VAT
		ALTERNATIVE PROCESSES AND LIQUID EMULSIONS			
13086	Fotospeed	Argyrotype Kit	All you need for alternative silver prints	£40.93	**£49.12**
13087	Fotospeed	Argyrotype Sensitizer 50ml	Replacement sensitizer for the Argyrotype Kit	£24.99	**£29.99**
13088	Fotospeed	LE30 Liquid Emulsion, 250ml	Economy size, makes 1.25 litres	£37.49	**£44.99**
13091	Fotospeed	Salt Printing Kit	All you need for Salt Printing	£66.66	**£79.99**
27013	Rockland	Tintype Parlor Kit	Create eight 4 x 5in. Colloid tintypes using this all-in-one kit	£40.83	**£49.00**
27014	Rockland	Tintype & Ambrotype Developer	Uses to develop coated tintype or ambrotypes (glass)	£29.16	**£34.99**
27015	Rockland	Tintype Replacement Plates - 4 x 5"	Replenishment plates for the Tintype Kit. Pack of 10	£9.16	**£10.99**
27017	Rockland	PrintScreen Emulsion, 474ml	Make photo silkscreens without special equipment	£34.99	**£41.99**
41121	Rollei	Black Magic Kit, Graded	Everything you need to make perfect photo emulsion prints	£67.49	**£80.99**
41122	Rollei	Black Magic Kit, VC	Everything you need to make perfect photo emulsion prints	£72.49	**£86.99**
41123	Rollei	Black Magic RBM2 Emulsion, Graded	300ml Liquid emulsion, coats up to 40 8x10 inch prints	£36.66	**£43.99**
41124	Rollei	Black Magic RBM3 Emulsion, VC 300ml	Liquid emulsion, coats up to 40 8x10 inch prints	£42.49	**£50.99**
41125	Rollei	Black Magic RBM4 Photo Gelatine	100ml. Optional pre-coat in the RBM system	£21.66	**£25.99**
41126	Rollei	Black Magic RBM5 Developer Hardener,	250ml Optional hardener to protect the emulsion in the RBM system	£8.91	**£10.69**
41129	Rollei	Black Magic RBM3 Emulsion, VC 1000ml	Liquid emulsion, coats up to 130 8x10 inch prints	£115.83	**£139.00**

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RAW PHOTOGRAPHIC CHEMICALS

Bellini Foto is a premium chemistry manufacturer from Italy who produce
a wide range of RAW Chemistry, all of which is available from Firstcall. Have you ever wanted to make your own film developers or ancillaries? Well, now you can. Whether it's your own ID11, Rodinal or Pyro concoctions you want to mix, Bellini lets you make it happen. We also recommend Stephen Anchell's Film Developing Cookbook to go with them, but we will happily provide free recipe sheets on request. Small jars and bottles for use with these new chemicals can be found on page 37.

All chemicals have MSDS sheets to go with them on our website.

BELLINI SODIUM CARBONATE

Sodium carbonate anhydrous is used as one of the principle alkalies (accelerators) in development formulas, sometimes known as Washing Soda, Carbonate of Soda or Carbonic Acid. It improves differentiation between exposed and unexposed crystals of silver halide, and thus reduces fog during development. It can also be used as a toning bath additive or post fixer clearing bath.

It has a molecular formula of Na_2CO_3

Please note: *Sodium carbonate releases gas when added to an acid stop bath or an acid fixing bath; this gas may cause pinholes that look like blistering of your film emulsion.*

BELLINI HYDROQUINONE

This high contrast developing agent is the most popular ingredient in many film and print developers and no home developing cookbook is complete without it as, with the compound metol, it reduces silver halides to elemental silver.

We have many recipes from traditional suppliers, using Hydroquinone, which you can request from us.

It has a molecular formula $C_6H_4(OH)_2$

BELLINI POTASSIUM BROMIDE

Potassium bromide is used as a restrainer in many black and white developer formulas, especially those containing hydroquinone, pyrocatechin, or pyrogallol. It improves differentiation between exposed and unexposed crystals of silver halide, and thus reduces fog during development.
When used in paper developers, it also reduces contrast and provides a warming effect. It can also be used as a bleach additive or toner additive.

It has a molecular formula of KBr

BELLINI CHEMICALS

Code	Brand	Product		Ex VAT	Inc VAT
27460	Bellini	Acetic Acid, 80%, 1 litre	Used to make stop baths, acidifying, fixers, intensifiers and toners.	£9.91	£11.89
27461	Bellini	Ascorbic Acid, 50 grams	Also know as Vitimin C developer	£9.91	£11.89
27462	Bellini	Boric Acid, 50 grams	Fine grain developer additive	£8.16	£9.79
27463	Bellini	Citric Acid, 1H20, 500 grams	For making odour-free stopbath and additive	£6.24	£7.49
27464	Bellini	AntiFog Agent, 1-Phenyl-5-mercaptotetrazole, 5 grams	Anti fogging agent for out-of-date paper	£16.41	£19.69
27465	Bellini	Silver Nitrate, 10 grams	Used in Kallitype and Van Dyke Brown printing, emulsion making and is a main ingredient of Printing Out Paper.	£18.83	£22.59
27466	Bellini	Borax, 100 grams	A mild alkali/accelerator for fine grain developers	£4.16	£4.99
27467	Bellini	Dimezone S, 10 grams	A mild alkali/accelerator for fine grain developers	£12.41	£14.89
27468	Bellini	Hydroquinone, 50 grams	High contrast developing agent	£9.91	£11.89
27469	Bellini	Metol, 50 grams	Soft working developing agent	£9.91	£11.89
27470	Bellini	Phenidone A, 10 grams	Soft working developing agent	£8.16	£9.79
27471	Bellini	Pyrogallol, 50 grams	Developing and tanning development agent	£44.91	£53.89
27472	Bellini	Potassium Bromide, 250 grams	Developer restrainer/ anti foggant and additive	£11.58	£13.89
27473	Bellini	Sodium Carbonate, anhydrous, 500 g	Developer alkali/accelerator	£4.99	£5.99
27474	Bellini	Sodium Hexametaphosphate, Calgon	500 grams . Water softner	£8.16	£9.79
27475	Bellini	Sodium Thiosulphate, Pentahydrate	1kg. A standard and universal fixing agent	£7.49	£8.99
27476	Bellini	Sodium Bisulphite (Metabisulphite), 1 kg.	Developer preservative and buffering agent	£9.91	£11.89
27477	Bellini	Sodium Suphite, anhydrous, 1 kg.	Developer preservative and silver solvent	£9.08	£10.89

JACQUARD PINATA INKS

Jacquard Pinata Alcohol Inks are a revolutionary colouring medium that will be appeal to photographers and artists alike.
They are highly saturated, fast-drying inks with an alcohol base. Because of that, they can be used to hand colour a multitude of surfaces including photographic prints, ceramics, glass, resin, paper, metal, plastic, ceramic, stone, leather, resin, polymer clay and more or YUPO. If you make a mistake, you simply "paint away" your mistake back to the basic print using the Clean Up Solution. And this process works even AFTER the ink has long dried the following day. They even work on inkjet prints.
Thirteen ink colours (including silver, gold and white) with an opening offer of order six colours and get TWO free.

JACQUARD PINTA INKS

Code	Brand	Product	Ex VAT	Inc VAT
26948	Jacquard	Pinata Ink 14.8ml, No 1025, Burro Brown	£4.16	£4.99
26949	Jacquard	Pinata Ink 14.8ml, No 1027, Havana Brown	£4.16	£4.99
26950	Jacquard	Pinata Ink 14.8ml, No 1029, Shadow Grey	£4.16	£4.99
26951	Jacquard	Pinata Ink 14.8ml, No 1031, Mantilla Black	£4.16	£4.99
26952	Jacquard	Pinata Ink 14.8ml, No 1033, Silver	£4.16	£4.99
26953	Jacquard	Pinata Ink 14.8ml, No 1019, Baja Blue	£4.16	£4.99
26954	Jacquard	Pinata Ink 14.8ml, No 1002, Sunbright Yellow	£4.16	£4.99
26955	Jacquard	Pinata Ink 14.8ml, No 1011, Senorita Magenta	£4.16	£4.99
26956	Jacquard	Pinata Ink 14.8ml, No 1005, Calabaza Orange	£4.16	£4.99
26957	Jacquard	Pinata Ink 14.8ml, No 1023, Rainforest Green	£4.16	£4.99
26958	Jacquard	Pinata Ink 14.8ml, No 1013, Passion Purple	£4.16	£4.99
26959	Jacquard	Pinata Ink 14.8ml, No 1030, Blanco White	£4.16	£4.99
26960	Jacquard	Pinata Ink 14.8ml, No 1032, Rich Gold	£4.16	£4.99
26961	Jacquard	Pinata Ink 29.6ml, No 1001, Claro Extender	£4.16	£4.99
26962	Jacquard	Pinata Ink 29.6ml, No 1000, Clean Up Solution	£4.16	£4.99

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EVERYDAY INKJET PHOTO PAPER

Firstcall InkJet Paper 260gsm Heavyweight

Our own ultra-white, smooth, water-resistant resin-coated paper prints well with dye and pigment inks. It is used by professionals and consumers wanting to produce the best possible hardcopy digital prints. For those photographers who are serious about digital photography, it offers excellent image quality and similarity to traditional halide prints and has a fade-resistant microporous coated heavyweight base. Every photo department can save money by using this paper.

Buy two get one **FREE** see P53

Firstcall Photo Glossy 260gsm

FOTOSPEED PAPER

Fotospeed's PF 270gsm paper range, is a worthy alternative to our paper albeit slightly more expensiive. It has the look and feel of a traditional photo, is excellent with pigment inks, but equally suited to normal dye-based printers. It has the advantage of coming with Custom ICC profiles, which are Free of Charge from Fotospeed, thereby giving precise ink distribution.

For this reason, it is the most versatile of all the photo inkjet papers we sell, and due to its low cost, it represents the best value currently on offer.
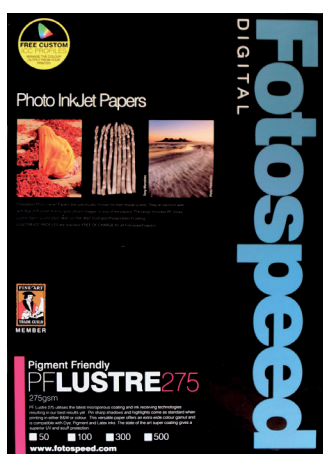
Fotospeed also offers a 290gsm paper called Photo Smooth Pearl which is a natural white heavyweight RC and has a crisp finish with a superb colour gamut. It is also instant dry, suitable for both Dye and Pigment ink.

Fotospeed's everyday matt paper is called Matt Ultra. This 240gsm paper is excellent with pigment inks and traditional dye-based printers too. It renders a beautiful, smooth, bright-white finish and monochrome images are suited to this paper.

FIRSTCALL MATT INKJET PAPER

Smooth Art Matte 210gsm

Our own smooth matt RC paper offers a natural white art watercolour paper designed for value orientated, high volume printmakers. The surface emulates an etching paper and is excellent for décor art, portraiture and poster reproduction. The paper is compatible with dye and pigment ink systems, giving excellent colour gamut, and is produced to archival standards. Made from Alpha cellulose, it has a slightly textured matte surface and is acid & lignin free, plus instant dry.

Firstcall Smooth Art Matte 210gsm

Double-Sided Smooth Art Matte in 220gsm

Our double-sided version of the Smooth Art Matte is slightly heavier to cope with ink laid down on both sides. All other features are the same. Both papers are easy to profile and, although lacking some of the punch you would get from a Satin or Gloss paper, we recommend this Matte paper.

INKJET PAPER

Code	Brand	Product	Ex VAT	Inc VAT
89131	Firstcall	Photo Heavyweight Glossy (Olmec), A2, Pack of 50	£52.49	£62.99
89119	Firstcall	Photo Heavyweight Glossy (Olmec), A3+, Pack of 50	£39.99	£47.99
89102	Firstcall	Photo Heavyweight Glossy (Olmec), A3, Pack of 50	£31.66	£37.99
89100	Firstcall	Photo Heavyweight Glossy (Olmec), A4, Pack of 50	£16.66	£19.99
89116	Firstcall	Photo Heavyweight Glossy (Olmec), Roll, 17 inch x 30m	£48.33	£57.99
89098	Firstcall	Photo Heavyweight Glossy (Olmec), Roll, 24 inch x 30m	£62.49	£74.99
89017	Firstcall	Photo Heavyweight Satin (Olmec), A2, Pack of 50	£52.49	£62.99
89103	Firstcall	Photo Heavyweight Satin (Olmec), A3, Pack of 50	£31.66	£37.99
89118	Firstcall	Photo Heavyweight Satin (Olmec), A3+, Pack of 50	£39.99	£47.99
89101	Firstcall	Photo Heavyweight Satin (Olmec), A4, Pack of 50	£16.66	£19.99
89117	Firstcall	Photo Heavyweight Satin (Olmec), Roll, 17 inch x 30m	£48.33	£57.99
89099	Firstcall	Photo Heavyweight Satin (Olmec), Roll, 24 inch x 30m	£62.49	£74.99
89120	Firstcall	Heavyweight Photo Lustre (Olmec), A3+, Pack of 50	£39.99	£47.99
89121	Firstcall	Heavyweight Photo Lustre (Olmec), A3, Pack of 50	£31.66	£37.99
89122	Firstcall	Heavyweight Photo Lustre (Olmec), A4, Pack of 50	£16.66	£19.99
89150	Firstcall	Photo Lightweight Glossy (Olmec), A2, Pack of 100	£82.49	£98.99
89113	Firstcall	Photo Lightweight Glossy (Olmec), A3, Pack of 100	£41.66	£49.99
89138	Firstcall	Photo Lightweight Glossy (Olmec), A3+, Pack of 100	£52.49	£62.99
89111	Firstcall	Photo Lightweight Glossy (Olmec), A4, Pack of 100	£20.83	£24.99
89139	Firstcall	Photo Lightweight Lustre (Olmec), A2, Pack of 100	£82.49	£98.99
89114	Firstcall	Photo Lightweight Lustre (Olmec), A3, Pack of 100	£41.66	£49.99
89137	Firstcall	Photo Lightweight Lustre (Olmec), A3+, Pack of 100	£52.49	£62.99
89112	Firstcall	Photo Lightweight Lustre (Olmec), A4, Pack of 100	£20.83	£24.99
89136	Firstcall	Photo Matte Archival (Olmec), 17in Roll x 30m	£39.99	£47.99
89135	Firstcall	Photo Matte Archival (Olmec), A2, 100 S	£62.49	£74.99
89133	Firstcall	Photo Matte Archival (Olmec), A3, 100 S	£31.66	£37.99
89134	Firstcall	Photo Matte Archival (Olmec), A3+, 100 S	£39.99	£47.99
89132	Firstcall	Photo Matte Archival (Olmec), A4, 100 S	£16.24	£19.49
89108	Firstcall	Smooth Art Matte (Olmec), A3, Pack of 50	£43.33	£51.99
89107	Firstcall	Smooth Art Matte (Olmec), A4, Pack of 50	£21.66	£25.99
89110	Firstcall	Double-Sided Smooth Art Matte, A3, Pack of 25	£32.91	£39.49
89109	Firstcall	Double-Sided Smooth Art Matte, A4, Pack of 25	£16.08	£19.29
89015	Firstcall	Double-Sided, Gloss, A3, Pack of 50	£18.33	£22.00
13460	Fotospeed	Proofing Paper, Matt, A4, Pack of 100	£15.74	£18.89
13461	Fotospeed	Proofing Paper, Matt, A3, Pack of 100	£29.99	£35.99
13467	Fotospeed	Pigment Friendly Lustre 275, A4, Pack of 50	£20.83	£24.99
13468	Fotospeed	Pigment Friendly Lustre 275, A4, Pack of 500	£157.49	£188.99
13469	Fotospeed	Pigment Friendly Lustre 275, A3, Pack of 50	£36.66	£43.99
13470	Fotospeed	Pigment Friendly, Glossy, A4, Pack of 50	£20.83	£24.99
13471	Fotospeed	Pigment Friendly, Glossy, A4, Pack of 500	£148.33	£177.99
13472	Fotospeed	Pigment Friendly, Glossy, A3, Pack of 50	£36.66	£43.99
13473	Fotospeed	Pigment Friendly, Glossy, A3+ size, Pack of 50	£45.83	£54.99
13476	Fotospeed	Pigment Friendly Lustre 275, A3+, Pack of 50	£49.49	£59.39
13481	Fotospeed	Pigment Friendly, Satin, A4, Pack of 500	£128.58	£154.29
13490	Fotospeed	Matt Ultra, A4, Pack of 50	£14.99	£17.99
13491	Fotospeed	Matt Ultra, A4, Pack of 100	£24.16	£28.99
13492	Fotospeed	Matt Ultra, A3, Pack of 50	£27.74	£33.29
13493	Fotospeed	Matt Ultra, A3+ size, Pack of 50	£38.33	£45.99
13560	Fotospeed	Photo Smooth Pearl 290gsm, A4, 50 Sheets	£20.83	£24.99
13561	Fotospeed	Photo Smooth Pearl 290gsm, A3, 50 Sheets	£37.49	£44.99
13562	Fotospeed	Photo Smooth Pearl 290gsm, A3+, 25 Sheets	£28.33	£33.99
13563	Fotospeed	Photo Smooth Pearl 290gsm, A2, 25 Sheets	£45.83	£54.99
13564	Fotospeed	Photo Smooth Pearl 290gsm, 17in Roll, 30m	£74.16	£88.99
13565	Fotospeed	Photo Smooth Pearl 290gsm, 24in Roll, 30m	£96.66	£115.99
13566	Fotospeed	Photo Smooth Pearl 290gsm, A4, 100 Sheets	£35.83	£42.99
89123	Innova	Olmec Premium Photo Pearl, A4, Pack of 50	£22.49	£26.99
89124	Innova	Olmec Premium Photo Pearl, A3, Pack of 50	£44.99	£53.99
89125	Innova	Olmec Premium Photo Pearl, A3+, Pack of 50	£56.58	£67.89
89126	Innova	Olmec Premium Photo Pearl, A2, Pack of 50	£81.24	£97.49
89127	Innova	Olmec Premium Photo Pearl, Roll, 17 inch x 15 metre	£70.66	£84.79
89163	Innova	RC Photo Premium Matte, A4, 50 sheets	£22.08	£26.49
89164	Innova	RC Photo Premium Matte, A3, 50 sheets	£44.16	£52.99
89165	Innova	RC Photo Premium Matte, A3+, 50 sheets	£52.91	£63.49
89166	Innova	RC Photo Premium Matte, A2, 50 sheets	£83.74	£100.49
89167	Innova	RC Photo Premium Matte, 17inch x 30m roll	£83.74	£100.49
89159	Innova	Pictorico Pro OHP Ultra Transparency Film, 24-inch roll x 20m	£208.33	£249.99
89160	Innova	Pictorico Pro OHP Ultra Transparency Film, A4, Pack of 20	£29.99	£35.99
89161	Innova	Pictorico Pro OHP Ultra Transparency Film, A3+, Pack of 20	£57.49	£68.99
89162	Innova	Pictorico Pro OHP Ultra Transparency Film, 17-inch roll x 20m	£149.99	£179.99

Please Note: Some imported items are suffering fluctuating stock levels. For certainty check before ordering.

Three-for-two offers under £14* a box

With Firstcalll InkJet papers we offer a 3-for-2 offer making it as cheap as just £13.33 for a box of A4 50 sheets. The Three-For-Two deal applies to all A4 packs of the resin-coated paper – Glossy and Satin. To qualify for the third box FREE place your order in multiples of 2 and we will add the third one automatically.
*NB The price (£13.33) includes VAT, for each of the three boxes you receive.
You cannot include the A3 packs or the Fibre-based paper in the offer which closes 31st March 2024.

FOTOSPEED PROOFING INKJET PAPER

Sometimes you just need an inexpensive, high quality, medium weight, matt paper for presentation & image proofing. This is where Fotospeed can help. They produce a paper that saves you money by printing out your image initially on this cheaper paper before final production. For students, we recommend it as a low-cost matt paper - it is thinner than the other matt papers but is equally presentable for portfolios.
The Fotospeed Proofing Paper is 170gsm and single sided and simply costs 13p a sheet.

EPSON INKJET PAPER

If you want to buy only paper from the printer manufacturer's range, we stock a broad variety of the photo papers from Epson.
Epson offers a comprehensive range of everyday papers, and because we all want an easy life, even if it costs us a little bit more, there's a reason to buy their papers. You will find all these papers, preset in the printer's settings, all with a simple drop-down list. Just match the paper to the menu, and you will get perfect prints every time.
Insert existing image: 24613.jpg
Nothing underlines this fact more than Epson SO41624 Premium Glossy Photo Paper, A4 in packs of 50. It is more expensive than alternative brands, but you will get perfect A4 prints in no time.
Our second best seller is their Semigloss range which we stock from A4 through to A2 for portfolio purchases.

OLMEC RC PHOTO PREMIUM MATTE

new

Have you ever longed for an inkjet paper that gives you emulation of an actual photograph without looking like an inkjet print? Well, this new Innova paper does that and a whole lot more. We'd go so far as say this is the best new inkjet paper in 25 years.

The reason for the praise is that being an RC paper; it's easy to use but one that features a stunning flat matte finish and super smooth surface, eliminating surface reflections. When we printed a monochrome shot, it was challenging to tell whether the print was Ilford Multigrade Satin due to its exceptional D Max.

Compatible with pigment and dye inkjet printers, the resin-coated base includes an anti-curl layer. It is ideal for printing large or small format displays. The surface can reproduce a wide colour gamut and deep tonal range, making this paper a popular choice for work across the creative spectrum, including photos, posters and retail-ready art prints

INNOVA RC PHOTO PREMIUM MATTE				
Code	Brand	Product	Ex VAT	Inc VAT
89163	Innova	RC Photo Premium Matte, A4, 50 sheets	£22.08	£26.49
89164	Innova	RC Photo Premium Matte, A3, 50 sheets	£44.16	£52.99
89165	Innova	RC Photo Premium Matte, A3+, 50 sheets	£52.91	£63.49
89166	Innova	RC Photo Premium Matte, A2, 50 sheets	£83.74	£100.49
89167	Innova	RC Photo Premium Matte, 17inch x 30m roll	£83.74	£100.49

EPSON INKJET PAPER				
Code	Brand	Product	Ex VAT	Inc VAT
24606	Epson	SO42538, Photo Glossy Paper, A4, Pack of 20	£10.83	£12.99
24607	Epson	SO42153, Premium Glossy Photo Paper, 4 x 6in, Pack 40	£4.17	£5.00
24612	Epson	SO42155, Premium Glossy Photo Paper, A4, Pack of 15	£15.83	£18.99
24613	Epson	SO41624, Premium Glossy Photo Paper, A4, Pack of 50	£26.24	£31.49
24615	Epson	SO41315, Premium Glossy Photo Paper, A3, Pack of 20	£33.91	£40.69
24616	Epson	SO41316, Premium Glossy Photo Paper, A3+, Pack of 20	£24.99	£29.99
24617	Epson	SO41332, Premium Semigloss Photo Paper, A4, Pack of 20	£16.66	£19.99
24619	Epson	SO41328, Premium Semigloss Photo Paper A3+, Pack 20	£23.83	£28.59
24624	Epson	SO42093, Premium Semigloss Photo Paper, A2, Pack of 25	£40.41	£48.49
24627	Epson	SO41061, Photo Quality Ink Jet Paper A4, Pack of 100	£13.33	£15.99
24628	Epson	SO41069, Photo Quality Ink Jet Paper, A3+, Pack of 100	£49.16	£58.99
24632	Epson	SO41256, Matte Paper Heavyweight, A4, Pack of 50	£11.58	£13.89
24633	Epson	SO41261, Matte Paper Heavyweight, A3, Pack of 50	£16.04	£19.25
24634	Epson	SO41264, Matte Paper Heavyweight, A3+, Pack of 50	£16.67	£20.00
24634	Epson	SO41264, Matte Paper Heavyweight, A3+, Pack of 50	£33.58	£40.29
24652	Epson	SO41569, Double-Sided Matte Paper, A4, Pack of 50	£17.41	£20.89
24635	Epson	SO41342, Archival Matte Paper A4, Pack of 50	£14.16	£16.99
24636	Epson	SO41344, Archival Matte Paper A3, Pack of 50	£28.74	£34.49
24637	Epson	SO41340, Archival Matte Paper A3+ size, Pack of 50	£40.24	£48.29
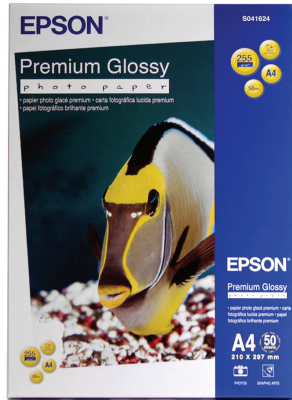
Black and White Paper

Paper Chemicals

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FIRSTCALL BARYTA FINEART 310GSM

Our true Baryta paper offers the lowest entry point into Fine Art printing.

Consisting of an alpha-cellulose, acid-free pure white paper with the same barium sulphate coating as for traditional silver halide and a premium inkjet colour receiver layer, it gives a similar quality to many more highly-priced alternatives. Optimised for pigmented inks, it dries instantly and is water-resistant. It is also internally buffered to resist gas fading and maximise the conservation of your prints, and being acid-free makes it less prone to paper degradation. Available from A4 through to 17-inch rolls.

Firstcall Baryta Traditional Fineart 310gsm

FOTOSPEED FINE ART

No other company produces such a choice of fine-art papers that are both high-quality yet relatively affordable.

The Fotospeed range of fine art inkjet papers can appear a little overwhelming. The way to choose your paper is to "drill-down" into the type of paper you require and the texture or surface, then the base tint and it should then be more natural to select correctly.

Types of paper include fibre base (Baryta), cotton or canvas. Textures include smooth, unglazed gloss, textured or matt. Base tint choice is white, high white, neutral or ivory.

We list our selected range with descriptions. Much more are available to order for a 3-day delivery service.

SOMERSET AND BOCKINGFORD

50% OFF While stocks last

Somerset is an excellent British paper from St Cuthbert's Mill in Somerset, and is our favourite and best-selling fine-art watercolour paper.

The standard "Enhanced" range is 225gsm, instant drying, and made to archival standards. This gives it that wonderful feel of pure quality only found on genuine artist material.

The three surface textures include, 'Satin' the smoothest, 'Velvet' a middle finish and 'Textured' a rough surface for full effect.

St Cuthbert also makes a unique double-sided ink-jet watercolour paper called Bockingford. This lovely 190gsm textured surface paper is the cheapest watercolour paper we sell.

somersetenhanced
authentic fine art inkjet paper

photography   digital fine art   reproduction of paintings

ST CUTHBERTS MILL

SPECIALIST FINE ART PAPERS AND CARDS

Code	Brand	Product	gsm	Ex VAT	Inc VAT
13606	Fotospeed	High White Smooth, EG, A3, Pack of 25	315gsm	£47.99	£57.59
13607	Fotospeed	High White Smooth, EG, A3+, Pack of 25	315gsm	£59.99	£71.99
13604	Fotospeed	High White Smooth, EG, A4, Pack of 25	315gsm	£26.24	£31.49
13576	Fotospeed	Platinum Baryta, A3, 25 sheets	315gsm	£50.83	£60.99
13638	Fotospeed	Platinum Baryta, A3+, 25 sheets	300gsm	£65.24	£78.29
13577	Fotospeed	Platinum Baryta, A4, 25 sheets	315gsm	£26.24	£31.49
13578	Fotospeed	Platinum Etching, A3, 25 sheets	285gsm	£38.99	£46.79
13579	Fotospeed	Platinum Etching, A4, 25 sheets	285gsm	£19.49	£23.39
13619	Fotospeed	Platinum Gloss Art Fibre, A2, Pack of 25	300gsm	£101.99	£122.39
13615	Fotospeed	Platinum Gloss Art Fibre, A3, Pack of 25	300gsm	£52.49	£62.99
13617	Fotospeed	Platinum Gloss Art Fibre, A3+ size, Pack of 25	300gsm	£61.49	£73.79
13614	Fotospeed	Platinum Gloss Art Fibre, A4, Pack of 25	300gsm	£26.99	£32.39
13628	Fotospeed	Platinum Lustre, EG, A4, Pack of 25	270gsm	£21.91	£26.29
13618	Fotospeed	Platinum Matt, EG, A2, Pack of 25	280gsm	£68.24	£81.89
13602	Fotospeed	Platinum Matt, EG, A3, Pack of 25	280gsm	£37.49	£44.99
13601	Fotospeed	Platinum Matt, EG, A3+, Pack of 25	280gsm	£47.99	£57.59
13600	Fotospeed	Platinum Matt, EG, A4, Pack of 25	280gsm	£19.49	£23.39
13572	Fotospeed	Smooth Cotton, A3, 25 sheets	300gsm	£49.91	£59.89
13573	Fotospeed	Smooth Cotton, A4, 25 sheets	300gsm	£26.24	£31.49

SPECIALIST FINE ART PAPERS AND CARDS

Code	Brand	Product	gsm	Ex VAT	Inc VAT
32364	Awagami	Kozo Thin White, A4, Pack of 20	70gsm,	£45.83	£54.99
32375	Hahnemule	Protective Spray	400ml	£16.66	£19.99
19183	PermaJet	Postcards 4 x 6 in, Glossy, 25 cards	300gsm	£13.29	£15.95

SOMERSET AND BOCKINGFORD

Code	Brand	Product	gsm	Ex VAT	Inc VAT
13300	Somerset	Enhanced Ink Jet Satin, 225gsm, A4, Pack of 25	225gsm	£10.00	£12.00
13301	Somerset	Enhanced Ink Jet Satin, 225gsm, A3+, Pack of 25	225gsm	£20.83	£25.00
13302	Somerset	Enhanced Ink Jet Velvet, 225gsm, A4, Pack of 25	225gsm	£10.00	£12.00
13303	Somerset	Enhanced Ink Jet Velvet, 225gsm, A3+, Pack 25	225gsm	£20.83	£25.00
13304	Somerset	Enhanced Ink Jet Textured, 225gsm, A4, Pack 25	225gsm	£10.00	£12.00
13305	Somerset	Enhanced Ink Jet Textured, 225gsm, A3+, Pack 25	225gsm	£20.83	£25.00
13308	Somerset	Photo Ink Jet Paper, 300gsm, A4, Pack of 20	300gsm	£10.00	£12.00
13309	Somerset	Photo Ink Jet Paper, 300gsm, A3+ size, Pack of 20	300gsm	£20.83	£25.00

Please Note: Some imported items are suffering fluctuating stock levels. For certainty check before ordering.

CANSON, EPSON, PERMAJET AND FIRSTCALL

This group of suppliers all have something different to offer when compared to Fotospeed and all thoroughly recommended for the fine art inkjet worker.

Canson's Photographique is similar to Fotospeed's Platinum Baryta but a little heavier and with a slightly whiter base. It is a past TIPA award winner for best inkjet paper and one of the first all fibre stock papers.

We not only offer the cheapest Baryta or fibre-based paper for fine art printing on the market but a choice of three other Premium Fine Art papers too.

FIRSTCALL EXHIBITION COTTON GLOSS

Our warm tone version of our standard Baryta paper is ideal for traditional darkroom printers who now need to print digitally. It has been sourced to meet the aesthetics of the original Palladium/Platinum alternative processes, and this paper renders beautiful smooth gloss grained prints due to its 100% cotton construction. It is a unique natural white finish that has the advantage of having no optical brighteners added which means the tones of the print are more exact and have the most even, neutral tones, and they will probably stay that way longer. This paper is also acid and Lignin free, making it most suited for archival use.

FIRSTCALL ULTRA SMOOTH GLOSS

Our Ultra Smooth Fine Art paper is the paper to choose when you want to want to bring the full range of colours in your print to life. It is, therefore, a "must" for exhibition prints or students who want their final portfolios to do "the talking" for them. The smooth gloss finish looks like a soft satin that you find in some RC papers, but this is a high-white alpha-cellulose, fibre quality paper. Being acid and lignin free is archivally sound too.

PERMAJET FB MONO GLOSS BARYTA 320

You will get a real buzz out of PermaJet's fibre-based inkjet paper dedicated to monochrome printing in their FB Mono Gloss Baryta 320. Aimed at digital darkroom printers, it emulates traditional silver halide papers, right down to the smell. A reassuringly heavyweight 320gsm, properties of the Mono Gloss Baryta paper include a unique glazed gloss finish, providing a smooth surface that works hand in hand with black and white images.

It readily reproduces rich blacks, and smooth gradations throughout full tonal ranges and images appear to leap off the paper, thanks to superb clarity and pin-sharp detail.

It also offers excellent ink absorption, sitting flawlessly on the top layer with no traces of bronzing or colour shifts. Meanwhile its alpha-cellulose, the acid-free base has been buffered to enhance fade resistance, helping to ensure your prints that you treasure will be unchanged in the years to come.

CANSON, PERMAJET AND FIRSTCALL

Code	Brand	Product	gsm	Ex VAT	Inc VAT
32343	Canson	Baryta Photographique FB, A2, Pack of 25	310gsm	88.33	105.99
32341	Canson	Baryta Photographique FB, A3, Pack of 25	310gsm	59.99	71.99
32342	Canson	Baryta Photographique FB, A3+, Pack of 25	310gsm	54.99	65.99
32340	Canson	Baryta Photographique II 310, A4, Pack of 25	310gsm	34.16	40.99
32344	Canson	Baryta Photographique II, Roll, 17 inch x 50 feet	310gsm	124.99	149.99
32345	Canson	Infinity Photo Lustre Premium RC 310, A3+, Pack of 25	310gsm	57.49	68.99
89097	Firstcall	Baryta Traditional Fibre Fineart, A2, Pack of 25	310gsm	80.83	96.99
89106	Firstcall	Baryta Traditional Fibre Fineart, A3, Pack of 25	310gsm	28.74	34.49
89140	Firstcall	Baryta Traditional Fibre Fineart, A3+, Pack of 25	310gsm	35.83	42.99
89104	Firstcall	Baryta Traditional Fibre Fineart, A4, Pack of 25	310gsm	21.24	25.49
89105	Firstcall	Baryta Traditional Fibre Fineart, A4, Pack of 50	310gsm	28.74	34.49
89115	Firstcall	Baryta Traditional Fibre Fineart, Roll, 17in x 15m	310gsm	57.49	68.99
89143	Firstcall	Exhibition Cotton Gloss Fineart , A3, Pack of 25	335gsm	55.83	66.99
89144	Firstcall	Exhibition Cotton Gloss Fineart , A3+, Pack of 25	335gsm	44.99	53.99
89141	Firstcall	Exhibition Cotton Gloss Fineart , A4, Pack of 25	335gsm	19.16	22.99
89142	Firstcall	Exhibition Cotton Gloss Fineart , A4, Pack of 50	335gsm	38.33	45.99
89145	Firstcall	Exhibition Cotton Gloss Fineart , Roll, 17in x 15m	335gsm	71.66	85.99
89146	Firstcall	Ultra Smooth Gloss Fineart , A4, Pack of 25	325gsm	18.91	22.69
89147	Firstcall	Ultra Smooth Gloss Fineart , A4, Pack of 50	325gsm	29.99	35.99
89152	PermaJet	FB Mono Gloss Baryta 320, A3, Pack of 25	320gsm	49.99	59.99
89151	PermaJet	FB Mono Gloss Baryta 320, A4, Pack of 25	320gsm	24.99	29.99

Black and White $Paper

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INKJET CARTRIDGES

It is not only the paper that can make a difference to your digital picture making. Choosing the right inks with the widest colour gamut, archival properties and density can have dramatic effects on the final outcome of a print. As too, can the combination of ink and paper, e.g. pigment ink as a rule doesn't work that well on most glossy papers. So, as a rule we suggest sticking to printer manufacturer's original inks, except when budget is of prime importance. It's well known that ink costs twice the price of vintage champagne but aren't some pictures priceless?

EPSON CARTRIDGES

We stock the full range of Epson original inks for the following printers:

R3000

SURECOLOR SC-P600

SURECOLOR SC-P700

SURECOLOR SC-P800

SURECOLOR SC-P900

EPSON INKJET CARTRIDGES

Code	Product	Fits	Ex VAT	Inc VAT
24043	T46S100, 25ml, Photo Black	25ml Epson SureColor SC-P700	£24.99	**£29.99**
24044	T46S200, 25ml, Cyan	25ml Epson SureColor SC-P700	£24.99	**£29.99**
24045	T46S300, 25ml, Vivid Magenta	25ml Epson SureColor SC-P700	£23.33	**£29.99**
24047	T46S400, 25ml, Yellow	25ml Epson SureColor SC-P700	£23.33	**£29.99**
24048	T46S500, 25ml, Light Cyan	25ml Epson SureColor SC-P700	£23.33	**£29.99**
24049	T46S600, 25ml, Vivid Light Magenta	25ml Epson SureColor SC-P700	£23.33	**£29.99**
24050	T46S700, 25ml, Grey	25ml Epson SureColor SC-P700	£23.33	**£29.99**
24051	T46S800, 25ml, Matte Black	25ml Epson SureColor SC-P800	£23.33	**£29.99**
24052	T46S900, 25ml, Light Grey	25ml Epson SureColor SC-P700	£23.33	**£29.99**
24053	T46SD00, 25ml, Violet	25ml Epson SureColor SC-P700	£23.33	**£29.99**
24307	T850100, 80ml, Photo Black	Epson Stylus SC-P800, 80ml	£41.66	**£49.99**
24308	T850200, 80ml, Cyan	Epson Stylus SC-P800, 80ml	£41.66	**£49.99**
24309	T850300, 80ml, Vivid Magenta	Epson Stylus SC-P800, 80ml	£41.66	**£49.99**
24310	T850400, 80ml, Yellow	Epson Stylus SC-P800, 80ml	£41.66	**£49.99**
24311	T850500, 80ml, Light Cyan	Epson Stylus SC-P800, 80ml	£41.66	**£49.99**
24312	T850600, 80ml, Vivid Light Magenta	Epson Stylus SC-P800, 80ml	£41.66	**£49.99**
24313	T850700, 80ml, Light Black	Epson Stylus SC-P800, 80ml	£41.66	**£49.99**
24314	T850800, 80ml, Matte Black	Epson Stylus SC-P800, 80ml	£41.66	**£49.99**
24315	T850900, 80ml, Light Light Black	Epson Stylus SC-P800, 80ml	£41.66	**£49.99**
24316	T47A1, 50ml, Photo Black	Epson Stylus SC-P900, 50ml, UltraChrome Pro 10	£31.66	**£37.99**
24317	T47A2, 50ml, Cyan	Epson Stylus SC-P900, 50ml, UltraChrome Pro 10	£31.66	**£37.99**
24318	T47A3, 50ml, Vivid Magenta	Epson Stylus SC-P900, 50ml, UltraChrome Pro 10	£31.66	**£37.99**
24319	T47A4, 50ml, Yellow	Epson Stylus SC-P900, 50ml, UltraChrome Pro 10	£31.66	**£37.99**
24320	T47A5, 50ml, Light Cyan	Epson Stylus SC-P900, 50ml, UltraChrome Pro 10	£31.66	**£37.99**
24321	T47A6, 50ml, VividLight Magenta	Epson Stylus SC-P900, 50ml, UltraChrome Pro 10	£31.66	**£37.99**
24322	T47A7, 50ml, Gray	Epson Stylus SC-P900, 50ml, UltraChrome Pro 10	£31.66	**£37.99**
24323	T47A8, 50ml, Matte Black	Epson Stylus SC-P900, 50ml, UltraChrome Pro 10	£31.66	**£37.99**
24324	T47A9, 50ml, Light Gray	Epson Stylus SC-P900, 50ml, UltraChrome Pro 10	£31.66	**£37.99**
24325	T47AD, 50ml, Violet	Epson Stylus SC-P900, 50ml, UltraChrome Pro 10	£31.66	**£37.99**
24326	Maintenance Tank SC-P900 & P700	Epson Stylus SC-P900 and P700	£16.66	**£19.99**
40530	T1571, Turtle, Photo Black	Epson Stylus Photo R3000	£22.74	**£27.29**
40531	T1572, Turtle, Cyan	Epson Stylus Photo R3000	£22.74	**£27.29**
40532	T1573, Turtle, Vivid Magenta	Epson Stylus Photo R3000	£22.74	**£27.29**
40533	T1574, Turtle, Yellow	Epson Stylus Photo R3000	£22.74	**£27.29**
40534	T1575, Turtle, Light Cyan	Epson Stylus Photo R3000	£22.74	**£27.29**
40535	T1576, Turtle, Vivid Light Magenta	Epson Stylus Photo R3000	£22.74	**£27.29**
40536	T1577, Turtle, Light Black	Epson Stylus Photo R3000	£22.74	**£27.29**
40537	T1578, Turtle, Matte Black	Epson Stylus Photo R3000	£22.74	**£27.29**
40538	T1579, Turtle, Light Light Black	Epson Stylus Photo R3000	£22.74	**£27.29**
40565	T7601 Killer Whale, Black	25.9 ml, SureColor SC-P600	£21.67	**£26.00**
40566	T7602 Killer Whale, Cyan	25.9 ml, SureColor SC-P600	£21.67	**£26.00**
40567	T7603 Killer Whale, Vivid Magenta	25.9 ml, SureColor SC-P600	£21.67	**£26.00**
40568	T7604 Killer Whale, Yellow	25.9 ml, SureColor SC-P600	£21.67	**£26.00**
40569	T7605 Killer Whale, Light Cyan	25.9 ml, SureColor SC-P600	£21.67	**£26.00**
40570	T7606 KillerWhale, Vivid Light Magenta	25.9 ml, SureColor SC-P600	£21.67	**£26.00**
40571	T7607 Killer Whale, Light Black	25.9 ml, SureColor SC-P600	£21.67	**£26.00**
40572	T7608 Killer Whale, Matte Black	25.9 ml, SureColor SC-P600	£21.67	**£26.00**
40573	T7609 Killer Whale, Light Light Black	25.9 ml, SureColor SC-P600	£21.67	**£26.00**
40603	T478XL Squirrel, Multipack	6 inks, 60.5ml, 378/478XLClaria Photo HD ink XP-15000	£107.50	**£129.00**

Please Note: Some imported items are suffering fluctuating stock levels. For certainty check before ordering.

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CANON CARTRIDGES

Bring your images to life with original Canon inks. We stock ink for all the latest models from the inexpensive dye-based options to the latest LUCIA PRO ink range of professional inks for detailed and reliable results. Their ink systems deliver a variety of deep, rich colours and sets your prints apart with outstanding photo permanence.

We stock the full range of Canon original inks for the following printers:

PIXMA IP7250

PRO 100S

PRO 10S
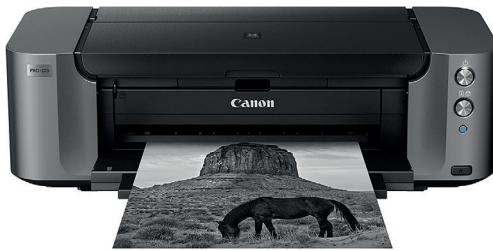
PRO 200

PROGRAF 300

PROGRAF 1000

CANON INKJET CARTRIDGES

Code	Product	Fits	Ex VAT	Inc VAT
40414	CLI-42 BK, Black	Canon PIXMA PRO-100	£14.83	£17.79
40415	CLI-42 C, Cyan	Canon PIXMA PRO-100	£14.83	£17.79
40416	CLI-42 M, Magenta	Canon PIXMA PRO-100	£14.83	£17.79
40417	CLI-42 Y, Yellow	Canon PIXMA PRO-100	£14.83	£17.79
40418	CLI-42 PC, Photo Cyan	Canon PIXMA PRO-100	£14.83	£17.79
40419	CLI-42 PM, Photo Magenta	Canon PIXMA PRO-100	£14.83	£17.79
40420	CLI-42 GY, Grey	Canon PIXMA PRO-100	£14.83	£17.79
40421	CLI-42 LGY, Light Grey	Canon PIXMA PRO-100	£14.83	£17.79
40422	CLI-42 BK/GY/LG/C/M/Y/PC/PM Multipack	Canon PIXMA PRO-100	£99.16	£118.99
40423	PGI-72 MBK, Matte Black	Canon Pixma PRO-10	£12.83	£15.39
40424	PGI-72 PBK, Photo Black	Canon Pixma PRO-10	£12.83	£15.39
40425	PGI-72 C, Cyan	Canon Pixma PRO-10	£12.83	£15.39
40426	PGI-72 M, Magenta	Canon Pixma PRO-10	£12.83	£15.39
40427	PGI-72 Y, Yellow	Canon Pixma PRO-10	£12.83	£15.39
40428	PGI-72 PC, Photo Cyan	Canon Pixma PRO-10	£12.83	£15.39
40429	PGI-72 PM, Photo Magenta	Canon Pixma PRO-10	£12.83	£15.39
40430	PGI-72 R, Red	Canon Pixma PRO-10	£12.83	£15.39
40431	PGI-72 CO, Chroma Optimizer	Canon Pixma PRO-10	£12.83	£15.39
40432	PGI-72 MBK/C/M/Y/R Multipack	Canon Pixma PRO-10	£53.33	£63.99
40433	PGI-72 PBK/GY/PM/PC/CO Multipack	Canon Pixma PRO-10	£53.33	£63.99
40445	PGI-72 G, Grey	Canon Pixma PRO-10	£12.83	£15.39
40434	PGI-550 PGBK XL, Black	Canon Pixma iP7250	£15.24	£18.29
40435	CLI-551BK XL, Black	Canon Pixma iP7250	£14.91	£17.89
40436	CLI-551C XL, Cyan	Canon Pixma iP7250	£14.91	£17.89
40437	CLI-551M XL, Magenta	Canon Pixma iP7250	£14.91	£17.89
40438	CLI-551Y XL, Yellow	Canon Pixma iP7250	£14.91	£17.89
40439	CLI-551GY XL, Grey	Canon Pixma MG6350	£14.91	£17.89
40446	CLI-65 BK, Black	Canon PIXMA PRO-200	£17.49	£20.99
40447	CLI-65 C, Cyan	Canon PIXMA PRO-200	£17.49	£20.99
40448	CLI-65 M, Magenta	Canon PIXMA PRO-200	£17.49	£20.99
40449	CLI-65 Y, Yellow	Canon PIXMA PRO-200	£17.49	£20.99
40450	CLI-65 GY, Gray	Canon PIXMA PRO-200	£17.49	£20.99
40451	CLI-65 PC, Photo Cyan	Canon PIXMA PRO-200	£17.49	£20.99
40452	CLI-65 PM, Photo Magenta	Canon PIXMA PRO-200	£17.49	£20.99
40453	CLI-65 LG, Light Gray	Canon PIXMA PRO-200	£17.49	£20.99
40456	PFI-300 MBK, Black	Canon image PROGRAF PRO-300	£16.24	£19.49
40457	PFI-300 PM, Photo Magenta	Canon image PROGRAF PRO-300	£16.91	£19.49
40458	PFI-300 R, Red	Canon image PROGRAF PRO-300	£16.91	£19.49
40459	PFI-300Y, Yellow	Canon image PROGRAF PRO-300	£16.91	£19.49
40460	PFI-300PC, Photo Cyan	Canon image PROGRAF PRO-300	£16.91	£19.49
40461	PFI-300CO, Chroma Optimiser	Canon image PROGRAF PRO-300	£16.91	£19.49
40462	PFI-300PBK, Photo Black	Canon image PROGRAF PRO-300	£16.91	£19.49
40463	PFI-300C, Cyan	Canon image PROGRAF PRO-300	£16.91	£19.49
40464	PFI-300GY, Grey	Canon image PROGRAF PRO-300	£16.91	£19.49
40465	PFI-300M, Magenta	Canon image PROGRAF PRO-300	£16.91	£19.49
40466	PFI-1000M, Magenta	Canon Image Prograf PRO-1000	£48.33	£58.00
40467	PFI-1000C, Cyan	Canon Image Prograf PRO-1000	£48.33	£58.00
40468	PFI-1000CO, Chroma Optimizer	Canon Image Prograf PRO-1000	£48.33	£58.00
40469	PFI-1000B, Blue	Canon Image Prograf PRO-1000	£48.33	£58.00
40470	PFI-1000PGY, Photo Grey	Canon Image Prograf PRO-1000	£48.33	£58.00
40471	PFI-1000Y, Yellow	Canon Image Prograf PRO-1000	£48.33	£58.00
40472	PFI-1000R, Red	Canon Image Prograf PRO-1000	£48.33	£58.00
40473	PFI-1000GY, Grey	Canon Image Prograf PRO-1000	£48.33	£58.00
40474	PFI-1000PM, Photo Magenta	Canon Image Prograf PRO-1000	£48.33	£58.00
40475	PFI-1000PBK, Photo Black	Canon Image Prograf PRO-1000	£48.33	£58.00
40476	PFI-1000P, Photo Cyan	Canon Image Prograf PRO-1000	£48.33	£58.00
40477	PFI-1000MBK, Matte Black	Canon Image Prograf PRO-1000	£48.33	£58.00

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PRINT STORAGE

While storing film is relatively straightforward, the options for storing prints are much broader. You could store prints in the same sleeve and binder system that you use for film. However, some photographers choose to hold their printed images in albums, frames or mount them on cards or blocks when universal sharing is required. There is, of course, the good old standby of a "shoe-box" if you need cheap and unorganised print storage, but we feel our customers deserve better than that

DON'T FORGET THE LOW COST (£24.99 INC), BESFILE ARCHIVAL STORAGE BINDER BOX (BLACK OR GREY) CAN HOLD PRINT PAGES AS AN ALTERNATIVE TO FILES.

CLEARFILE ARCHIVAL PLUS PRINT STORAGE

Clearfile Archival Plus print pages are the ideal solution for loose-leaf filing. They manufacture them from a specially formulated polypropylene for the safe long-term protection of your valuable prints. Like their negative pages, they feature incredible crystal clear clarity and are manufactured in a more substantial thickness than flimsier alternatives, resulting in improved durability. Clearfile archival pages feature "rip-resistant" seals, a stitched sealing method that allows each seal to work independently to resist tearing, unlike straight-line seals that continue to separate once the rip begins. A stitched seal also provides greater airflow between pockets to protect against ferrotyping, moisture and mildew. Most pages have new pan-European/US 7-ring holes and fit standard 4-ring binders.

All ClearFile print pages offer:

• High Clarity 6 mil Polypropylene
• Archival and Inkjet Safe
• Acid Free
• No PVC
• PAT Passed
• 25 per pack

35B Page
Each clear sheet holds six 4 x 6in prints

36B Page
Each clear sheet holds eight 4 x 6in prints

37B Page
Each clear sheet holds eight 5 x 7in prints

38B Page
Each clear sheet holds two 8 x 10in prints

40B Page
Each clear sheet holds two 8 x 12in print

44B Page
Each clear sheet holds two UK size A4 prints, ideal for inkjet

71B Page
Holds two 8.5x11 prints or documents. 72B is the same but with white print divider in the sheet.

CLEARFILE PRINT PAGES

Code	Brand	Product		Ex VAT	Inc VAT
43035	Clearfile	35B Print Pages 4x6in Archival Plus Pack of 25	Each clear sheet holds six 4 x 6in prints	£9.99	£11.99
43036	Clearfile	36B Print Pages 4x6in Archival Plus Pack of 25	Each clear sheet holds eight 4 x 6in prints	£9.99	£11.99
43037	Clearfile	37B Print Pages 5x7in Archival Plus Pack of 25	Each clear sheet holds four 5 x 7in prints	£9.99	£11.99
43038	Clearfile	38B Print Pages 8x10in Archival Plus Pack of 25	Each clear sheet holds two 8 x 10in prints	£9.99	£11.99
43040	Clearfile	40B Print Pages 8x12in Archival Plus Pack of 25	Each clear sheet holds two 8 x 12in print	£9.99	£11.99
43071	Clearfile	44B Print Pages A4 Archival Plus Pack of 25	Each clear sheet holds two UK size A4 prints, ideal for inkjet	£9.99	£11.99
43072	Clearfile	72B Print Pages 8.5 x 11in Archival Plus, Pack of 25	ALMOST A4 size, each clear sheet holds 2 scrapbook pages or photographic prints	£1.00	£1.20
43073	Clearfile	71B Print Pages 8.5 x 11in Archival Plus, Pk 100	Each clear sheet Holds two 8.5x11 prints or documents	£3.33	£4.00

CLEARFILE PRINT PROTECTORS

Made for photographers who want a polypropylene sleeve for each image, these clear bags offer superb protection for frequently handled prints. They come in the conventional darkroom and digital enlargement sizes. Designed to hold matted or un-matted prints, they are ideal for use at home or in the studio/darkroom to safely protect and store valuable photographs. Archival and Inkjet safe, they are manufactured from crystal clear polypropylene with super heavyweight (3.6 mil/90 microns) construction. Archival, acid-free and therefore safe for long-term digital storage - we think this is one of the best inexpensive storage products on the market.

CLEARFILE PRINT PROTECTORS

Code	Brand	Product		Ex VAT	Inc VAT
43024	Clearfile	030B Print Protectors 8x10in Pack of 25	Archival Plus Print Protectors	£5.49	£6.59
43025	Clearfile	080B Print Protectors 9x12in (A4) Pack of 25	Archival Plus Print Protectors	£6.41	£7.69
43026	Clearfile	015B Print Protectors 11x17in Pack of 10	Archival Plus Print Protectors	£5.33	£6.39
43027	Clearfile	011B Print Protectors 12x18in Pack of 10	Archival Plus Print Protectors	£6.08	£7.29
43028	Clearfile	060B Print Protectors 16x20in Pack of 10	Archival Plus Print Protectors	£6.68	£8.02

Please Note: Some imported items are suffering fluctuating stock levels. For certainty check before ordering.

CLEARFILE CRYSTAL CLEAR BAGS

ClearFile's unique Crystal Clear Bags are designed for both individual print protection, but also for mounting prints, in particular for use in an exhibition or where you need to keep the mats clean.

These polypropylene bags are different to their print protectors which can only be used for "loose" prints because they have a reusable adhesive strip, designed to withstand repeated opening and closing, which is placed on the body of the bag, not on the flap.

The bags are sealed on three sides and open on the short side with a 2-inch flap we sell them in 100 sheets that make them economical to buy. Our range goes from 5 x7 inches through to 20 x 24-inch print sizes.

CLEARFILE CRYSTAL CLEAR BAGS

Code	Brand	Product		Ex VAT	Inc VAT
43049	Clearfile	Crystal Clear Bags 5x7in Pack of 100	Archival Crystal Clear Bags	£8.24	£9.89
43051	Clearfile	Crystal Clear Bags 8x10in Pack of 100	Archival Crystal Clear Bags	£18.32	£21.99
43052	Clearfile	Crystal Clear Bags 12x16in Pack of 100	Archival Crystal Clear Bags	£19.24	£23.09
43053	Clearfile	Crystal Clear Bags 16x20in Pack of 100	Archival Crystal Clear Bags	£32.07	£38.49

CLEARFILE PRINT BOXES

These sturdy and attractive boxes are an archival option making them ideal for use in the studio or darkroom. They design them as a 2-piece box with a lid wrapped in a black textured material. The base of the box is acid-free black paper and passes PAT making it safe for long-term storage and organising your images at the same time. They are one 1/8th inch in depth. The construction is from 090 binders board (twice the thickness on standard film boxes) with buffered, acid-free and lignin-free black paper interior lining plus neutral pH adhesive which they use in the box construction. Your photos will not deteriorate when in storage if you use these boxes. We thoroughly recommend them.

CLEARFILE PRINT BOXES

Code	Brand	Product		Ex VAT	Inc VAT
43054	Clearfile	Print Archival Box 5x7in	Black Archival Print Box	£12.49	£14.99
43055	Clearfile	Print Archival Box 8x10in	Black Archival Print Box	£14.16	£16.99
43056	Clearfile	Print Archival Box 13x19in	Black Archival Print Box for 12x16 prints	£23.33	£27.99
43057	Clearfile	Print Archival Box 16x20in	Black Archival Print Box for 16x20 prints	£25.83	£30.99

ADOX ADOFILE POLYPROPOLYENE PHOTO BOOKS

These presentation books have a matt black surface, and the twelve double-sided, bound archive pages are made of highly transparent PVC. They hold 24 photos in portrait format and are ideal for handing over a completed presentation to a customer or tutor or to use as a "Sketch Book" with examples of your best images and accompanying text if required.

Available sizes are:
- 13x18cm (5x7 inches)
- 24x30cm (9.5x12 inches)
- A4
- 30x40cm (12x16 inches)

ADOX ADOFILE PHOTO BOOKS

Code	Product		Ex VAT	Inc VAT
78005	Adofile Polypropolyene Photo Book, 5x7 inches	12 pages holding 24 photos in portrait format	£9.58	£11.49
78006	Adofile Polypropolyene Photo Book, 9.5x12 inches	12 pages holding 24 photos in portrait format	£18.49	£22.19
78007	Adofile Polypropolyene Photo Book, A4	12 pages holding 24 photos in portrait format	£16.24	£19.49
78008	Adofile Polypropolyene Photo Book, 12x16 inches	12 pages holding 24 photos in portrait format	£21.66	£25.99

HANDMADE PORTFOLIO BOOKS FROM DALER

The best handmade black sketch books are made in the UK by Daler Rowney and are available from Firstcall.

Their spiral bound sketchbooks, in A3, A4 and A5 sizes lts 40 sheets of 180gsm, acid-free black cartridge paper is not only ideal for displaying your portfolio photographs but equally suitable for pencil, pen, ink and chalk artwork. An outer casing, connected with spiral binding, protects the enclosed paper and keeps your images safe.

The hardback version is perfect bound and contains a slightly thinner, white 150gsm paper.

HANDMADE PORTFOLIO BOOKS FROM DALER

Code	Brand	Product		Ex VAT	Inc VAT
78001	Daler	Portfolio Book, Hard Bound, A4, 62 pages	150gsm, white cartridge paper	£3.33	£3.99
78002	Daler	Portfolio Book, Spiral Bound, A5, 40 pages	180gsm, black card pages	£5.24	£6.29
78003	Daler	Portfolio Book, Spiral Bound, A4, 40 pages	180gsm, black card pages	£7.33	£8.79
78004	Daler	Portfolio Book, Spiral Bound, A3, 40 pages	180gsm, black card pages	£12.49	£14.99

YOUR LIFE IS MORE DEFINED IF YOUR IMAGES ARE ORGANISED AND STORED FOR POSTERITY

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MOUNTING, ADHESIVES AND CUTTERS

The advantage of storing your prints in a ring binder or frame is that (generally) you do not need adhesives. However, sometimes you need to display and share your enlargements either in portfolio books or on mounting board. At Firstcall we offer a range of mount board, portfolio books and a wide variety of adhesives and cutters to make exhibiting large prints a "breeze".

FIRSTCALL MOUNTING BOARD

When you want to display your large pictures in the best way, you cannot beat mounting them properly. Usually, this involves using a 6-sheet type mounting board.

All Mounting Boards – All Sizes – Just £1 per Sheet

We are one of a few dealers who still offer a range of mount board. Our unique range of double-sided board allows you a twin colour choice to make the most of your mounting budget. The colour options are white/cream, grey/black or olive green/brown.

Packed in 10s, we offer board in 10 x12, 12 x16, 16 x20 and 20 x24 inch sizes. As the usual way to mount board is to allow a 1-inch border around the print, this means that you can perfectly present paper sizes of 8 x 10, 10 x 12, 12 x 16 or 16 x 20 inches.

This year we offer an improved pricing package on our mounting boards whereby they are all the same price, regardless of size, just £1 per sheet. You only have a buy them in packs of 10.

FOAM CENTRED BOARD

A stronger, more rigid alternative to card mount board is Foam Centred Board. Made from a foam core, sandwiched between two sheets of glossy white paper and double-thick liners, Firstcall foam board is one of the highest performing foamboards on the market It is incredibly strong, extremely rigid, but its main benefit is its lightness. Due to the density of the core it makes it the ideal substrate for mounting large prints, examination portfolios, mounting, framing, vinyl graphics or P.O.P Displays.

Only £3 per Sheet

- White both sides (except for all black)
- Very rigid
- The core is high density, and fine cell extruded polystyrene foam
- Smooth, bright white finish
- 3mm thick
- Ideal as a lightweight backing board
- Often used for shadow boxes
- Excellent for cold mounting large items

PHOTOCORNERS AND TABS

We still sell traditional photo corners, for sticking your prints into photo albums, from Herma. Their clear and permanent self-adhesive photo corners mean that you can quickly remove your precious photos if required without fear of damage. The adhesive is solvent and acid-free, and you get 250 corners in each pack.

DRY MOUNTING TISSUE

This traditional method of permanently mounting, mounts all kinds of flatwork - including prints and photos, with a low heat iron (or mounting press). You tack melt the adhesive sheets with the tip of a domestic iron (set to silk setting) to use it.

Hot Press Unimount Classic tissue is the premium grade tissue which has a porous, pH neutral grade. Their 650mm x 25m roll is the equivalent of 25.5 inches x 82 feet. Therefore, you will have 120 sheets of 12 x 16 inches from the roll. You may also need their silicone release paper which you need in the dry-mounting process, which is also available from us.

MOUNTING BOARD, TISSUE, CORNERS & TABS

Code	Brand	Product		Ex VAT	Inc VAT
25124	Firstcall	Double-Sided Olive Brown Board 10 x 12in	1250 micron , Pack of 10	£8.33	£10.00
25125	Firstcall	Double-Sided White Cream Board 10 x 12in	1250 micron , Pack of 10	£9.16	£10.00
25126	Firstcall	Double-Sided Grey Black Board 10 x 12in	1250 micron , Pack of 10	£9.16	£10.00
25129	Firstcall	Double-Sided Olive Brown Board 12 x 16in	1250 micron , Pack of 10	£13.33	£10.00
25130	Firstcall	Double-Sided White Cream Board 12 x 16in	1250 micron , Pack of 10	£13.33	£10.00
25131	Firstcall	Double-Sided Grey Black Board 12 x 16in	1250 micron , Pack of 10	£13.33	£10.00
25134	Firstcall	Double-Sided Olive Brown Board 16 x 20in	1250 micron , Pack of 10	£18.33	£10.00
25136	Firstcall	Double-Sided Grey Black Board 16 x 20in	1250 micron , Pack of 10	£18.33	£10.00
25143	Firstcall	Double-Sided Olive Brown Board 20 x 24in	1250 micron , Pack of 10	£31.66	£10.00
25144	Firstcall	Double-Sided White Cream Board 20 x 24in	1250 micron , Pack of 10	£31.66	£10.00
25145	Firstcall	Double-Sided Grey Black Board 20 x 24in	1250 micron , Pack of 10	£31.66	£10.00
25147	Firstcall	Foam Centred Board 16 x 20 inch (Pack of 5)	3mm thick,	£12.50	£15.00
26258	Herma	Photocorners Self Adhesive	250 pieces	£2.49	£2.99
26259	Hot Press	Dry Mounting Tissue, 25.in x 82ft roll (650)	Permanently mounts all kinds of flatwork - including prints and photos	£79.16	£94.99
26261	Hot Press	Dry Mounting Tissue, 40in x 82ft roll (1040)		£99.99	£119.99
26260	Hot Press	Silicone Release Paper, 25.5in x 82ft(650)	Prevents sticking of tissue	£44.99	£53.99
26262	Hot Press	Silicone Release Paper, 40in x 82 ft(1040)	Prevents sticking of tissue	£49.99	£59.99

Please Note: Some imported items are suffering fluctuating stock levels. For certainty check before ordering.

3M ADHESIVES

The quickest way to mount your photograph onto the mounting board is to use a spray adhesive. 3M offers the most extensive choice, but you do need to choose whether you want to reposition the photo after mounting or not.

All spray glue is permanent and repositionable before setting, but only ReMount is repositionable after drying. Scotch Weld 49 is a liquid adhesive that has all the qualities of its spray cousins but without the smell or mess. Just paint it on with a brush. It is then repositionable and builds up its strength over 24 hours, but dries in 20 minutes. We found it an answer to the on-going problem of mounting watercolour paper onto the board without curling. The two-litre container works out to be the same cost as eight large spray cans.

FRISK SPRAY ADHESIVE

Frisk is a cheaper alternative to 3M but still gives you an environmentally friendly and CFC free adhesive option for use in the studio, office or home.

We recommend their High-Tac as the low-cost alternative to Scotch Photo Mount (or the now discontinued Tetenal Adhesive). A permanent adhesive for covering large surfaces, it is ideal for mounting photographs, posters, foam board, textiles, corrugated cardboard, and so forth. You can reposition High-Tac within a short period. Ghiant adhesives, Made in Belgium are less than half the price of their 3m alternatives.

GUDY 802 SELF STICK ADHESIVE ROLL

Gudy 802 is a great alternative to spray adhesives, just cut to size and apply. This cold mount, double-sided adhesive roll is a "no-mess" solution for bigger prints.
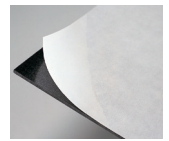
Its high adhesive strength and universal application for indoor use make it ideal for mounting film for photos, inkjet and digital prints on several surfaces including board.

It includes double-sided siliconized 90 g/m² backing paper and the adhesive used is a water-based polyacrylate permanent one.

GLUES AND SPRAYS

Code	Brand	Product		Ex VAT	Inc VAT
26210	3M	Hi-Strength 90 Adhesive Spray, 500ml,	Non-moveable permanent bond, industrial Photomount	£13.33	£15.99
26211	3M	75 Repositionable Adhesive Spray, 500ml,	Moveable permanent bond, industrial Spraymount	£18.74	£22.49
26246	3M	Remount Spray, 400ml	Creative adhesive, sticks and lifts time and time again	£14.58	£17.49
26250	3M	Photomount Spray, 200ml, red can	Non-moveable	£8.74	£10.49
26251	3M	Photomount Spray, 400ml, red can	Non-moveable	£14.58	£17.49
26252	3M	Spraymount 200ml, blue can	Moveable	£8.74	£10.49
26253	3M	Spraymount 400ml, blue can	Moveable	£14.58	£17.49
26254	3M	Displaymount, 400ml	Strong adhesive for card	£8.74	£10.49
72008	3M	Weld 49, Pressure Sensitive Adhesive, 2 Litre	High Tack, Water Dispersion	£45.83	£54.99
84020	Crafters Pick	Memory Mount Mounting Glue, 118ml	Acid free, wipe clean	£3.99	£4.79
72011	Firstcall	Gudy 802 Self Stick Adhesive Roll, 24in x 33 feet	Sticky back on a roll, for photos, ink-jet or board	£23.66	£28.39
26256	Frisk	High Tac Photo Spray, (Ghiant)400ml can	Permanent clear adhesive spray	£6.66	£7.99
19136	Kenro	Spray Adhesive 400ml can	Moveable	£7.46	£8.95
84029	Herma	Glue Dispenser Transfer, removable, 15m	Removable glue-spots in strips of any length	£4.99	£5.99
84030	Herma	Glue Transfer Refill pack, removable, 15m	Removable glue-spots in a 15 metre roll	£2.49	£2.99
84032	Herma	Glue Dispenser Transfer, permanent, 15m	Permanent glue-spots in strips of any length	£4.99	£5.99
84033	Herma	Glue Transfer Refill pack, permanent, 15m	Permanent glue-spots in strips in a 15 metre roll	£2.49	£2.99
26211	3M	75 Repositionable Adhesive Spray, 500ml,	Moveable permanent bond, industrial Spraymount	£18.74	£22.49
26210	3M	Hi-Strength 90 Adhesive Spray, 500ml,	Non-moveable permanent bond, industrial Photomount	£13.33	£15.99

ROTATRIM MCA3 ROTARY TRIMMER

Built in England by highly skilled engineers, Rotatrim's Pro Series uses only the highest quality components, and they assemble them to exacting tolerances, which is why they are genuinely the machines by which all others are judged.

Their most popular trimmer for educational users is the MCA3.

We think that Firstcall offers the best value in the UK for such a quality, low-priced trimmer. This trimmer cuts 18 inches wide (at a capacity of 2mm and in a 20 sheet pile) and comes with a full 5-year guarantee.

TRIMMERS

Code	Brand	Product		Ex VAT	Inc VAT
25566	Kaiser	Rotary Trimmer Hobby Cut 4 - 4314	For prints up to 18.1 inches	£35.83	£43.00
82014	Logan	Compact Classic Mat Cutter 301-1	Cuts bevel cuts in mount boards	£165.83	£199.00
82015	Logan	Compact Elite Mat Cutter 350-1	Cuts bevel cuts into mount board	£200.00	£240.00
82016	Logan	Replacement 270 Mat Cutter Blades, Pack of 10	Fits Cutter 301-1, 350-1 and others	£3.20	£3.84
26186	Olfa	Standard Art & Graphics Knife, AK-1	For delicate projects	£5.74	£6.89
26187	Olfa	Comfort Grip Premium Art & Graphics Knife, AK-4	Comfortable to hold, quick blade change, anti-roll	£12.41	£14.89
26188	Olfa	Art Knife with Spatula Edge for designers, AK-5	Comfortable to hold, quick blade change, anti-roll	£6.58	£7.89
26191	Olfa	Deluxe Compass Cutter With Ratchet System, CMP-1-DX	Cuts circles from 1.6cm to 22cm in diameter	£9.74	£11.69
26193	Olfa	Slimline Stainless Steel 9mm Graphics Knife, SAC-1	Unique 30 degree angled blade	£5.33	£6.39
26194	Olfa	Top Sheet Cutter with Adjustable Auto Press Control, TS-1	Adjustable the blade depth so only top sheets are being cut	£7.74	£9.29
26202	Olfa	45 Degree Bevel-edge Board Cutter, MC-45/2B	Gives your board a bevel cut professional finish, c/w 2 blades	£17.41	£20.89
86001	Rotatrim	MCA3 Mastercut	Super value, high quality 18in trimmer	£107.50	£129.00
86003	Rotatrim	Pro 12	12in cut, up to 1/8th inch board	£133.33	£160.00
86005	Rotatrim	Pro 18	18in cut, up to 1/8th inch board	£169.17	£203.00
86006	Rotatrim	Pro 24	24in cut, up to 1/8th inch board	£205.00	£246.00
86007	Rotatrim	Pro 30	30in cut, up to 1/8th inch board	£251.67	£302.00
86008	Rotatrim	Pro 36	36in cut, up to 3/32rd inch board	£287.50	£345.00

Black and White Paper

Paper Chemicals

No Darkroom

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PEERLESS-COLOR TRANSPARENT WATER COLOURS - DRY BOOK

Peerless Transparent Water Colors are ideal for colouring black & white prints and retouching colour photographs and slides.

Developed in 1885 by Charles F. Nicholson, the smart idea of these "dry books" uses sheets of impregnated colours whereby each sheet of the Water Color book is a unique paper fabric coated with a dense layer of highly concentrated pure colour. To activate the colour, you touch the sheet with a damp brush or cotton swab, and the colour magically changes state to a liquid for immediate use.

• They are an excellent alternative to liquid retouching dyes
• They will not fade and or change colour when heated
• You can use colours individually or in combination with others
• Colours are acid-free, and 100% non-toxic with no pigments dyes included
• Use for colour or black and white spotting, retouching of prints or slides

Colours in the book include:
Brilliant Yellow, Deep Yellow, Orange Yellow, Flesh Pink, Geranium Pink, Japonica Scarlet, Royal Crimson, Mahogany Brown, Sepia Brown, Light Green, Dark Green, Sky Blue, Deep Blue, Wisteria Violet and Pearl Grey.

JACQUARD PINATA INKS

Jacquard Pinata Alcohol Inks are a revolutionary colouring medium that will be appeal to photographers and artists alike.

They are highly saturated, fast-drying inks with an alcohol base. Because of that, they can be used to hand colour a multitude of surfaces including photographic prints, ceramics, glass, resin, paper, metal, plastic, ceramic, stone, leather, resin, polymer clay and more or YUPO. If you make a mistake, you simply "paint away" your mistake back to the basic print using the Clean Up Solution. And this process works even AFTER the ink has long dried the following day. They even work on inkjet prints.

Thirteen ink colours (including silver, gold and white) are in the range.

FOTOSPEED DY10 B & W DYE KIT

This retouching set removes either small black spots or large areas that you do not require in the finished print. The kit contains only three dyes though - black, grey and burnt sienna which leave no surface marking. To use either of the above kits, you will need a retouching brush.

We offer four sizes from Rowney and Delta– 0000 being the finest.

FOTOSPEED DY 15 COLOUR RETOUCHING DYE KIT

Fotospeed DY15 Fotodyes are designed to be used on any photographic emulsion - black and white or colour. So retouching or handcolouring is a simple action.

As true dyes, they are entirely absorbed by the emulsion leaving no surface marking. The dyes come in 11 different colours with one reducer. All the dyes can be fully intermixed and /or diluted to produce any colour or shade required.

With the continued demise of hand colouring options e.g. photo oils it's great to know that there's an inexpensive stalwart from Fotospeed for all those who want to experiment by creatively altering their black and white images.

The dyes are extremely concentrated and caution should initially be exercised when diluting for use.

RETOUCHING AND HAND COLOURING

Code	Brand	Product	Ex VAT	IncVAT
9056	Fotospeed	Retouching Set DY10	£7.99	£9.59
13069	Fotospeed	Retouching Set DY15, Colour Dyes	£24.16	£28.99
26196	Delta	Retouching Brush 000 (3/0)	£8.33	£10.00
82001	Rowney	Retouching Brush 0000	£8.33	£10.00
82002	Rowney	Retouching Brush 00	£8.33	£10.00
82003	Rowney	Retouching Brush 1	£8.33	£10.00
82004	Rowney	Retouching Brush 2	£8.33	£10.00
84001	Peerless	Water Color Complete Edition Book - Dry Book	£15.83	£19.00
84002	Peerless	Water Color Bonus Pak - Dry Book	£20.00	£24.00
84003	Peerless	Water Color Pretty in Pink - Dry Book	£8.33	£10.00
84005	Peerless	Water Color Dry Spotting B&W Set - Dry Book	£14.91	£17.89
84006	Peerless	Retouching Colours Black Opaque	£7.74	£9.29
84007	Peerless	Retouching Colours Ivory Black	£7.74	£9.29
84008	Peerless	Retouching Colours Lamp Black	£7.74	£9.29
84009	Peerless	Retouching Colours Pearl Grey	£7.74	£9.29
84010	Peerless	Retouching Colours Warm Sepia	£7.74	£9.29
84060	Marshalls	Handcolouring Artist Pencil Set Portrait (B & W)	£16.49	£19.79
84065	Marshalls	Retouching Oil Set, Memories	£21.66	£25.99
84066	Marshalls	Retouching Oil Set, Hobby	£64.16	£76.99
26948	Jacquard	Pinata Ink 14.8ml, No 1025, Burro Brown	£4.16	£4.99
26949	Jacquard	Pinata Ink 14.8ml, No 1027, Havana Brown	£3.49	£4.99
26950	Jacquard	Pinata Ink 14.8ml, No 1029, Shadow Grey	£3.49	£4.99
26951	Jacquard	Pinata Ink 14.8ml, No 1031, Mantilla Black	£3.49	£4.99
26952	Jacquard	Pinata Ink 14.8ml, No 1033, Silver	£3.49	£4.99
26953	Jacquard	Pinata Ink 14.8ml, No 1019, Baja Blue	£3.49	£4.99
26954	Jacquard	Pinata Ink 14.8ml, No 1002, Sunbright Yellow	£3.49	£4.99
26955	Jacquard	Pinata Ink 14.8ml, No 1011, Senorita Magenta	£3.49	£4.99
26956	Jacquard	Pinata Ink 14.8ml, No 1005, Calabaza Orange	£3.49	£4.99
26957	Jacquard	Pinata Ink 14.8ml, No 1023, Rainforest Green	£3.49	£4.99
26958	Jacquard	Pinata Ink 14.8ml, No 1013, Passion Purple	£3.49	£4.99
26959	Jacquard	Pinata Ink 14.8ml, No 1030, Blanco White	£3.49	£4.99
26960	Jacquard	Pinata Ink 14.8ml, No 1032, Rich Gold	£3.49	£4.99
26961	Jacquard	Pinata Ink 29.6ml, No 1001, Claro Extender	£3.49	£4.99
26962	Jacquard	Pinata Ink 29.6ml, No 1000, Clean Up Solution	£3.49	£4.99

Please Note: Some imported items are suffering fluctuating stock levels. For certainty check before ordering.

MAKING A DARKROOM

Processing film does not require a photographic darkroom. However, making prints and enlargements from negatives requires dark space at least big enough to contain an enlarger, safelight, processing trays and yourself.

Being the U.K's leading darkroom specialist, no other retailer has such an extensive range of products to make your darkroom complete.

Working in a darkroom teaches you the fundamentals of how light (the prerequisite of all photographs) influences picture making.

A darkroom should be just that. You should seal all windows, doors and vents against the light. Once you have done that you can prepare the list of equipment that makes a darkroom work. Darkrooms need planned "wet" and "dry" areas and try not to get electrical apparatus near the "wet" area. In this section, we show you how to light proof, ventilate, protect and choose a purpose made sink in preparing your darkroom.

LIGHT PROOFING

You can cheaply lightproof a room by using heavy gauge opaque plastic material which is generally available from garden centres as we no longer sell our purpose made material from the USA (which became too expensive currency devaluations).

We suggest you look for thick 6 mm black opaque vinyl, if possible and if necessary, use two layers on south or west facing windows. Our cotton/polyester white material which comes on a roll, is more of a reliable blackout. We sell it by the metre and it is 1.37m wide. It fixes quickly and easily to window surrounds using 2-part Velcro one-half sewn onto the material and the other stuck to the wall or frame. It has the advantage over black plastic in that it lasts longer. You can use it as a liner to existing curtains or make into long separate curtains or blinds.

LIGHT PROOFING

Code	Brand	Product		Ex VAT	Inc VAT
69005	Firstcall	Black-out Material (White)	Cotton/polyester, 1.37m wide, order in full metres	£5.83	£6.99
69006	Firstcall	Velcro (2 part), for Cotton Material	For cotton material, price per metre	£1.91	£2.29
69007	Firstcall	Velcro (2 part), for PVC	For PVC plastic, price per metre	£1.91	£2.29
69001	Firstcall	Black-out Door Foam	A roll of self adhesive, 8mm wide x 12 metres	£11.66	£13.99

PROTECTION AND VENTILATION

Code	Brand	Product		Ex VAT	Inc VAT
25210	Firstcall	Rubber Gloves (Nitrile) 3 pairs	Ambidextrous gloves	£1.68	£2.02
69004	Firstcall	Face Mask	9322, for acid, developer and toner gases	£4.93	£5.92
70013	Firstcall	Eye Care Pod Station	Wall cabinet, sterile eyewash for eye or face splashes	£49.99	£59.99
72003	Firstcall	Coverspecs Eye Shields	Universal fit, even for spectacle users	£4.99	£5.99
72004	Firstcall	White PVC Apron	Chemically resistant, two ties for close fit, heavy-duty	£9.58	£11.49
72005	Firstcall	White Polythene Aprons, Disposable, Pack of 100	Made from opaque polythene.	£4.99	£5.99
31001	Ventaxia	Solo Plus P Extractor Fan	3 speed fan, flush or surface mountable	£83.33	£99.99
31003	Ventaxia	Solo Plus HT Extractor Fan	Twin speed & humidity, constant trickle, flush or surface mountable	£162.49	£194.99
31004	Ventaxia	Centrif DP Duo Extractor Fan	Double the power of Solo	£153.18	£183.82
31006	Ventaxia	Weather Cowl	For all 100mm external wall holes for Ventaxia	£24.66	£29.59

INSTANT DARKROOM

Code	Brand	Product		Ex VAT	Inc VAT
11160	Ilford	Pop-Up Darkroom	Your own portable darkroom that folds down into a bag. Dimensions when erected (approx.): Floor footprint 1.3m x 1.3m. Height 2.2m	£206.66	£247.99
21015	Nova	Portable Darkroom Tent	Blow-up tent, 88 x 48 x 48in.	£540.83	£649.00
21017	Nova	Portable Darkroom Tent Equipment Table	Table to fit in the tent, 80 x 60 x 69in.	£49.96	£59.95

POP UP DARKROOM

The Ilford Pop-Up Darkroom is the perfect solution for film photographers who want to print their negatives and otherwise may struggle to convert existing spaces into suitable working darkrooms. The external metal frame is approximately 2.2m tall and a workable 1.3 x 1.3m space to print while standing or seated.

A durable light-tight black material clips to the frame, while an accompanying ground mat offers protection for your flooring, and you can fasten it to the darkroom material.

A built-in air vent towards the base of the darkroom allows you to use it for an optional fan/air blower, and once sealed, the incoming air will also expand the inner dimensions. A smaller vent closer to the top of the darkroom lets you attach other air extraction tubes (not included). It contains a material loop at the top to hang a safelight, and the best thing is that you can easily fold it all down for storage or transportation in the included carry case.

Nova makes an alternative blow-up Darkroom Tent which gives a larger option.

Its dimensions are 48 x 48 x 88 inches high (125x125x225cm and comes complete with Darkroom Tent Support Frame and Blower/Extractor fan.

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WASHING IN THE DARKROOM

A purpose made darkroom sink is a great start in darkroom design as it will stop you staining your kitchen sink.

A purpose made darkroom sink is a great start in darkroom design as it will stop you staining your kitchen sink. Our sinks have splashbacks and drip trays that will hold your developing dishes together and surround them with tempered water. A good sink like our own (hand-made) fibreglass ones or Nova's injected moulded range, will make your darkroom washing and developing area complete.

Nova makes their low-cost grey sinks from industrial polythene. They are robust, seam-free and the medium size comes complete with splashback. An included drip tray/draining board makes washing, developing or toning a pleasure. Each size is 6 inches in depth, has a flat base with sloping drainage ribs, with a 1.25-inch drain and plug. You can quickly obtain waste connection and connectors to your traditional outlets from DIY stores.

The advantage of our fibreglass range is that they are easily repairable and the Ampro versions come complete with syphon and drainage. They can also have frames constructed around them to have a freestanding option if it is hard to fit one into a work surface, although we particularly recommend the NS65, which adapts to a standard 600mm worktop and is both versatile and extremely durable too (needs support at the rear and sides). Due to the large size the Ampro sinks, the carriage cost when ordering these is £25.

FIBREGLASS SINKS

Ampro 80

External 2160 x 725mm / 85 x 28.5"
Internal 2075 x 630 x 127mm / (81.75 x 24.75 x 5"

Ampro 69

External 1840 x 725mm / 72.5 x 28.5"
Internal 1750 x 625 x 127mm / 69 x 24.5 x 5"

NS42

External 1150 x 655mm / 45.3 x 25.8"
Internal 1067 x 584 x 100mm / 42 x 23 x 4"

NS65

External 1600 x 575mm / 63 x 22.6"
Internal 1510 x 485 x 100mm / 60 x 19 x 4"

MOULDED PLASTIC SINKS

Small - No Splashback

External 886 x 686mm / 35 x 27"
Internal 813 x 610 x 150mm / 32 x 24 x 6"

Medium - inc Splashback & Drainer

External 1200 x 750mm / 47 x 29"
Internal 914 x 635 x 150mm / 36 x 25 x 6"

WATER FILTRATION

Water filtration is also a significant consideration as hard water, and mineral deposits can cause havoc when washing film or paper. Paterson's water filter fits over most new taps, and its 20-micron filter removes most waterborne dust and dirt found in running water. You can easily disassemble it, and the screen reversed for flushing.

A more advanced, plumbed-in solution is the Osmio Reverse Osmosis Water Filter which ensures your darkroom water is entirely free from ALL impurities.

It uses three individual filters that are permanently in-line. Filter 1 removes particles like sediments from pipes or rust. The second filter uses activated carbon to remove organics like bacteria (a real problem with water jackets). The clever bit happens in the third filter. By using reverse osmosis, it effectively lets the water through but rejects salts like chalk and magnesium. On completion of the filtering process, you then store the pure water in a 10-litre tank under the sink, which keeps the pressure up - and forever ready for use.

OSMIO GREY LINE 5-STAGE PUMPED REVERSE OSMOSIS WATER FILTER

This is a 5 stage pumped reverse osmosis system which has a tank and tap and fitting kit and a UK plug. It is the most basic and economical way to produce osmotic water through a 0.001-0.0001 micron membrane. There is no additional remineralisation with this unit (please see 7 stage if you want that). The system is ideal for home and light commercial use (brewing, dental practices, laboratories, aquariums, etc).

FIBREGLASS AND PLASTIC SINKS

Code	Brand	Product	Description	Ex VAT	Inc VAT
61000	Firstcall	Ampro 80 Fibreglass Sink	incl., deep wash, waste, 81 x 24.8 x 4 inches	£433.33	£520.00
61002	Firstcall	Ampro 69 Fibreglass Sink	incl. deep wash, waste, 69x24.5x4in	£415.83	£499.00
61004	Firstcall	NS65 Fibreglass Sink	large, 60x19x4in, fits 600mm worktop	£229.17	£275.00
61005	Firstcall	NS42 Fibreglass Sink	splashback, waste, medium, 42x23x4in	£207.50	£249.00
21027	Nova	Small Plastic Darkroom Sink	Grey, internal bowl size 32x24x6in.	£191.67	£230.00
21028	Nova	Medium Plastic Darkroom Sink	Grey, medium, internal bowl size 36x25x6in.	£241.67	£290.00

WATER FILTRATION

Code	Brand	Product	Description	Ex VAT	Inc VAT
31504	Osmio	Grey Line 5-Stage Pumped Reverse Osmosis Water Filter	Reservoir system for totally clean water	£150.83	£181.00
31505	Osmio	Grey Line 5-Stage Reverse Osmosis Water Filter	Reservoir system for totally clean water	£125.00	£150.00
31508	Osmio	Reverse Osmosis Pre Filter Replacement Pack	For the Osmio DO Range of Reverse Osmosis System	£20.83	£25.00
31509	Osmio	50 GPD Reverse Osmosis Membrane	Replacement 50gpd Reverse Osmosis Membrane water filter which is installed inside a standard RO membrane housing on all 50 GPD RO systems	£29.16	£34.99
26005	Paterson	Universal 35mm Starter Kit & 50mm lens	B&W, uses filters, includes £102 processing equipment	£383.33	460.00
26049	Paterson	Water Filter	PTP317; Tap fitting, removes most water-borne dust and dirt	£18.33	£21.99

Please Note: Some imported items are suffering fluctuating stock levels. For certainty check before ordering.

DARKROOM SAFE LIGHTING

Safelights, with low-wattage bulbs and proper filters, are used to provide Illumination in the darkroom that will not expose photo films and papers—thus the name. A safelight with a red filter will not affect most black-and-white photo papers, provided the paper be kept at least 4 feet from the light. For black and white papers the bulb output is usually around 15 watts depending on the size of the safelight; do not exceed the manufacturer's recommended wattage or else your paper may be fogged by the safelight. Colour photo papers are more sensitive and should be processed in complete darkness or with specially designed LED lights.

KODAK BEEHIVE SAFELIGHT

Kodak's Beehive general-purpose safelight will sit on a bench or hang from a wall, and you can even suspend one from the ceiling by two chains (not supplied). It comes fitted with a bayonet cap lamp holder, approximately 3 meters (10 feet) of three-core cable, and a wall plate with a stirrup fitting which allows the light to be tilted as required. We supply it with the (standard) GBX red filter needed for black and white work, but it will accept any of the other 5 ½ inch size Kodak Safelight Filters.
Suitable for all black and white darkroom papers, the lamp (25w) is particularly bright yet totally safe.

Now Only **£99**

PATERSON & KAISER SAFELIGHTS

For a solid black and white safelight, we recommend the 15w Paterson Red/Orange, model. Made in the UK, it is designed to stand on a bench, hang on the wall, or suspend from the ceiling. Ready to use with bulb, you can use this mains safelight within a personal darkroom bay, or you can use a number together for general lighting on the wall of the darkroom. The replacement bulb is a Pygmy SES 15w. The Kaiser alternative is system matched for Multigrade work. It can be bench or wall-mounted and tilted through 40 degrees.

ENCAPSULITE DARKROOM SAFELIGHT FLUORESCENT TUBE

A simple answer in making your own darkroom safelight is to convert the fluorescent light into a darkroom safe one. We sell their five feet, orange/red tubes that are tested for most B&W papers.

For shipping safety reasons, please note that we cannot sell these tubes in any smaller quantities than 6 tubes.

AP SAFELIGHT

AP's Red Safelight offers table-top or wall mounting and is manufactured in compliance with current EU safety standards to make a great inexpensive option for every enlarger workstation. You can use it for high sensitivity, desensitised, orthochromatic emulsions and both Ilford and Kentmere Multigrade papers. Minimum recommended working distance is 1 metre.

FIRSTCALL RED SAFELIGHT BULB

Made for us by Philips, this 15w PF712 Dark Red Safelight bulb is scientifically coated red to counter the tungsten wavelength that would usually fog your photographic materials. Ideal for use with black and white film and print processing, the 240v bayonet cap (BC) bulb directly fits into any domestic bulb socket (i.e. a ceiling rose or table lamp).

RH DESIGNS SAFETORCH

RH Designs offer two low-cost darkroom SafeTorches, one is a black and white (red) model, and the other is for colour (yellow) work.
The b/w version produces a bright beam of safe red light ideal for print inspection during development, for locating that dropped dodging tool! The colour version is useful for general orientation in the darkroom while colour materials are exposed - it should not be used for direct illumination of colour materials, although the wavelength of the LED light has been chosen to match the minimum sensitivity of colour papers. Housed in a small plastic key-fob style enclosure with a cord which you wear around the neck or wrist, the SafeTorch can be held and operated with one hand. The momentary switch action ensures you cannot leave it on accidentally. It runs on a single 12v alkaline battery (included).

			SAFE LIGHTS		
Code	Brand	Product	Description	Ex VAT	Inc VAT
25047	AP	Safelight, Red	For most B & W work, bench or wall mount	£29.33	**£35.19**
39106	Heiland	LED Darkroom Light	Twin red and white 1 metre darkoom light	£165.83	**£199.00**
39111	Heiland	LED Darkroom Lights College Kit (9 lights and controller)	Nine twin red and white 1 metre darkoom lights all linked to a central controller	£1,745.83	**£2,095.00**
39112	Heiland	LED Small Darkroom Light	Mains operated	£74.17	**£89.00**
9017	Kaiser	Safelight 4018, Orange	For multi-contrast B & W work, bench or wall mount	£66.66	**£79.99**
14006	Kodak	Beehive Darkroom Safelight c/w 1 Red filter	Suitable for B&W darkroom papers	£82.50	**£99.00**
25048	Lamps	Safelight, Red, 240v 15w BC	For most B & W work, fits any domestic socket	£13.33	**£15.99**
26512	Lamps	Safelight Bulb, ES Pygmy, 15W	For old (big) screw safelights	£3.33	**£3.99**
26513	Lamps	Safelight Bulb, BC Pygmy, 15W	For old bayonet safelights	£1.44	**£1.73**
26563	Lamps	Safelight Bulb, SES Pygmy, 15W	For (small) screw safelights like AP or Paterson	£1.44	**£1.73**
26086	Paterson	Safelight, Orange	PTP760; for most B & W work, bench or wall mount	£26.99	**£32.39**
83007	RH Designs	Safelight, SafeTorch B & W	For most B & W work, personal inspection	£19.92	**£23.90**
83008	RH Designs	Safelight, SafeTorch Colour	For most colour work, personal inspection	£21.58	**£25.90**

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LED, SAFELIGHTS FOR THE 21ST CENTURY

German manufacturer Heiland offers a unique way to illuminate your darkroom. They specialise in LED solutions for the modern darkroom, and as their representative in the UK, we're convinced that this is the best way to achieve the ultimate lighting solution in your darkroom.

Heiland has three LED lighting offerings:
1. Their Small LED Safelight – desk mounted
2. Their LED Twin Ceiling Safelight – One-metre fluorescent strips in a housing
3. Their LED Twin College Kit - Nine individual lights as per (2) but all linked with a central controller, three switches and a useful dimmer

Heiland electronic
Wetzlar / Germany

HEILAND LED SMALL SAFELIGHT

Benefits
• Bright and safe illumination of the workplace around the enlarger.
• LEDs guarantee
• No bulb replacement necessary.
• Monochromaticred light with a wavelength of 630nm.
• The 12V power supply guarantees electrical safety even in wet areas.
• Attractive design.
• Optional voltage converter available for supply with a USB power bank

Technical data
• Average wavelength: 630 nm
• Supply voltage: 12VDC
• Wall plug power supply is included in the scope of delivery
• Power consumption: 1 W
• Dimensions(length x width x height): 145 x 7 x 30mm
• Weight 100g

This LED safelight is designed for usage close to the enlarger and also for small darkrooms, e.g. a darkened bathroom. The LED safelight, so to speak, the little brother of our extremely popular and 1m long rod-shaped LED safelight. This luminaire generates red light for safe working with all multigrade papers.

The intensity is slightly higher than that of the well-known Ilford SL1 safelight equipped with a 15W lamp. Compared to that, no orange but a pure red light is emitted, and the power consumption is only 1W.

Its smart design, in the shape of a light tube, is one metre in length with a simple switch to change the colours that also includes an integrated intensity adjustment to set the power to your working distance in the darkroom. Perfectly safe for all black and white papers (not RA4 Colour though), it can be tilted too for wall or ceiling mounting.

HEILAND LED DARKROOM SAFELIGHT

Heiland also makes a unique twin LED safelight which combines both red LEDs for safe darkroom work and white ones for viewing the final print. The single-tube housing is held in a slim mounting holder.

Its clever design, in the shape of a light tube, is one metre in length with a simple switch to change the colours that also includes an integrated intensity adjustment (dimmer) to set the intensity to your working distance in the darkroom.

Perfectly safe for all black and white papers (not RA4 Colour though), it can be tilted too for wall or ceiling mounting.

HEILAND COMPLETE COLLEGE DARKROOM LIGHTING

LED Darkroom Safelight is sufficient to cover around 150 square feet. But what if you want a complete department lighting solution? Well Heiland has the answer here too.

Their LED Darkroom Lights College Kit not only includes NINE lights but the cabling and controller to co-ordinate the complete room lighting. A cabling diagram can be provided, but we recommend a qualified electrician installs the lights.

Kit contents:
• 9x Safelight 1 metre, emits red and white light
• 1x Central Control Unit with three switches and one dimmer
• 1x Cable for wiring of 9 light sources (50 metres)

Features:
• Single light output giving bright red light at 630nm wavelength or white light with approximately 5000k.
• Tube shaped design.
• Can be tilted for wall or ceiling mounting.
• LEDs guarantee instant on and off and long life and no lamp replacement necessary.
• Adjustable intensity according to your working distance.
• 12V mains power supply

HEILAND LIGHTS					
Code	Brand	Product	Description	Ex VAT	Inc VAT
39106	Heiland	LED Darkroom Light	Twin red and white 1 metre darkoom light	£165.83	**£199.00**
39111	Heiland	LED Darkroom Lights College Kit (9 lights and controller)	Nine twin red and white 1 metre darkoom lights all linked to a central controller	£1,745.83	**£2,095.00**
39112	Heiland	LED Small Darkroom Light	Mains operated	£74.17	**£89.00**

66 **Please Note:** Some imported items are suffering fluctuating stock levels. For certainty check before ordering.

PATERSON UNIVERSAL CONDENSER ENLARGER

The condenser head has a pair of condenser lenses in the lamphouse that concentrate the light source into a direct beam that projects a brilliant image onto the photo paper. All condenser enlargers.

Our most favourite enlarger for beginners is the Paterson Universal model. This compact 35mm or medium format condenser enlarger is ideal for students of photography allowing them to upgrade to the larger format if preferred. It uses filters (additional extra) to obtain the desired contrast grade required when using Multigrade paper. You can buy the same design of enlarger from us under the Adox brand which comes with a 2 year guarantee for the same price.

Key Specifications:
- Takes 50mm or 75mm lenses (not included)
- 35mm and 6 x 6cm Negative Carrier included
- Filter drawer accepts 3 x 3 inches Multigrade filters
- Baseboard dimensions: 18¾ x 15.5 inches
- Maximum enlargement paper size 12 x 16 inches
- Column height 29 inches
- Wall projection possible
- Replacement lamp is the P3/3ES Normal 75w

BESELER CADET II

The Beseler Cadet II is our main competitor to the Paterson being made in the USA rather than China. We know both of their merits well

Because of its easy assembly and lightweight design, it is simple to set up and breakdown for storage which makes it excellent for temporary darkroom use or even when a portable option is required.

Key Specifications:
- Includes enhanced 50mm f3.5 lens
- 35mm Negative Carrier included
- Filter drawer accepts 3 x 3 inches Multigrade filters
- Baseboard dimensions: 11¾ x 14¼ inches
- Maximum enlargement paper size 10 x 12 inches
- Column height 23 inches
- Replacement lamp is the P3/3ES Premium 75w
- Column reverses for floor projection

BESELER PRINTMAKER 35

The Printmaker 35mm is a condenser model that allows you to upgrade to 6 x7cm with a conversion kit at a later stage if required. Just like the Cadet, it comes with a high-quality lens, lensboard and negative carrier all included. The Printmaker is the next step up in the Beseler family and is more rugged in its construction. It is still compact and consists of the same counterbalanced elevation system featured throughout the range.

Key Specifications:
- Includes enhanced 50mm f3.5 lens
- 35mm Negative Carrier included
- Filter drawer accepts 3 x 3 inches Multigrade filters
- Baseboard dimensions: 14 x 19 inches
- Maximum enlargement paper size 11 x 14 inches
- Column height 39 inches
- Replacement lamp is the P3/3ES Premium 75w
- Focussing for left or right-handed users
- Column reverses for floor projection

ENLARGERS

Code	Brand	Product	Description	Ex VAT	Inc VAT
12150	Beseler	Cadet II Enlarger with Baseboard and 50mm Lens Kit	Beginner's enlarger for prints up to 9.5 x 12 inches	£582.50	£699.00
12151	Beseler	Printmaker 35 Condenser Enlarger and 50mm Lens Kit	35mm enlarger for prints up to 11 x 14 inches with lens	£825.00	£990.00
9121	Intrepid	Compact Enlarger	Enlarge, print & scan all formats 35mm to 6x9cm	£233.33	£280.00
26010	Paterson	Universal Black and White Enlarger	PTP700; B&W, 35mm or 6 x 6cm, uses filters, prints up to 12 x 16in.	£315.83	£379.00

INTREPID COMPACT ENLARGER

The Intrepid Enlarger is a total rethink of the traditional darkroom enlarger. A super compact, simple and fun to use kit for making prints from your colour and B&W film at home (from 35mm to 6x9), simply mount it on a tripod or copy stand!

You can even use it to make scans of your negatives using a digital camera/smartphone.

Utilising innovative new LED technology, The Intrepid Enlarger is the smallest, most compact darkroom enlarger ever made. In fact, it is so tiny it could fit into a shoebox! While it may be the smallest Enlarger ever to exist, it has all the features of a traditional one, just without being bulky, expensive or relying on outdated technology. The LED lights are perfectly calibrated for printing/scanning, and all the filters for colour balance and contrast are built into the controls on the timer.

It lets you print Black & White or Colour Film, use your camera to scan negatives and includes an electronic timer. You'll aslo need a copy stand or tripod to mount your Enlarger to and an enlarging lens - 50mm for 35mm film and 80mm for 120 but then you're ready to start printing.

This is without doubt the best contemporary enlarger we've ever sold and the price is unbeatable. We thouroughly recommend it for schools and colleges wanting to start darkroom printing. Proudly Made in the UK.

Specifications:
- Film formats: 35mm & 120 (6x6, 6x4.5, 6x7, 6x9)
- Contrast filters built-in, 00 to 5 in 1/2 steps
- Complete CMY control for colour printing
- Calibrated backlight for digital camera scanning
- Built-in safelight
- Easy printing from 5x7 up to 11x14 (much larger possible with horizontal projection)
- M39 lens mount
- Waterproof connectors

Darkroom
Darkroom Lighting
Enlargers
Enlarging Easels / Contact Frames
Timers
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Print Processing
Print Washing/Drying
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INTREPID 4X5 ENLARGER KIK MK2

The Intrepid Enlarger MK2 is a simple, small lightbox that fits the back of the Intrepid 4x5 Camera (or almost any other 4x5 camera) and attaches using the Graflok clips included. You then mount the unit to any standard copystand or low-level tripod (saving cost on a separate column and baseboard). Designed for making prints from colour film as well as black & white, you can also use it to scan or digitise your negatives with a DSLR. The filters for colour balance and contrast are built into the light source and controlled on the (included) timer

There's even a bilt-in safelight, useful for those with limited space. It can make prints from 4x5, 120, and 35mm film.
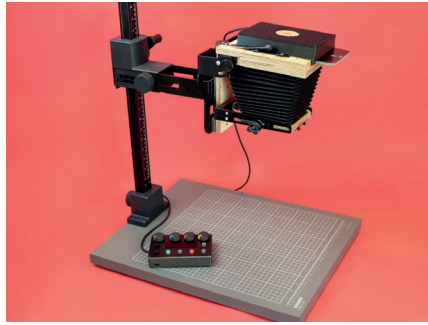
The standard kit comes with:
• Intrepid Enlarger LED light source - attaches to the back of your 4x5 camera with the Graflok clips
• Intrepid Enlarger Timer - to accurately control exposure time
• Multigrade filter holder - clips to your lens for use with Ilford Multigrade 8.9cm contrast filters
• Enlarger Lens board - for mounting standard enlarger lenses (with 39mm thread) -
• 4x5 negative carrier (35mm and 120 negative carriers available separately)
• 12v Power supply

7700 VCCE MULTICONTRAST

The LPL 7700 VCCE is an excellent choice for schools and colleges. The variable contrast head has a dichroic filtration for Grades 0-5 and improved technology to maintain constant exposure time when you change the contrast. The construction of the chassis is robust. The height adjustment is a squeeze lock; much faster than a knob wind. With its counterbalanced chassis, brake knob and the lens stage that shifts and tilts, this is an enlarger to get if you are creative. It can be used for all formats up to 6x7cm. LPL has announced that it will no longer make 7700 enlargers. We have good stocks, but this might be your last chance to buy a new one.

Last chance to buy

• Takes 50mm to 105mm lenses
• 35mm Negative Carrier included - format size up to 6 x 7 cm
• Single wheel to select filter grade 0-5
• In addition there is below lens filter holder
• Baseboard dimensions: 18 x 23 inches
• Maximum enlargement paper size 16 x 20 inches
• Column height 43 inches
• Replacement lamp is the A1/231 12v Halogen
• Focus control is by double rail friction
• Oversized brake knob
• Built-in neutral density filter for constant exposure
• Tilt and shift possible
• Can be converted to a copy stand
• Wall projection possible
• Column reverses for floor projection

BESELER PRINTMAKER 67VC

This mid-priced VC diffuser model (with transformer) produces first-rate enlargements from any size of negative from 35mm through to 6x7cm. It makes grade selection easy too as it incorporates a single knob to choose your setting via its additive dichroic filter system rather than having to insert individual filters into a below lens filter drawer (which is also included). Any grade from 0 through to 5 can be selected using this system. The 67VC also automatically maintains a constant printing speed throughout the entire contrast range, thereby eliminating the need for recalculation of exposures when changing the grade (contrast).

This cool-running enlarger offers even illumination of your image from corner to corner.

Key Specifications:
• Includes enhanced 50mm f3.5 lens
• 35mm Negative Carrier included - format size up to 6 x 7cm
• Single wheel to select filter grade 0-5
• In addition there is below lens filter holder
• Baseboard dimensions: 14 x 19 inches
• Maximum enlargement paper size 11 x 14 inches
• Column height 39.5 inches
• Replacement lamp is the 85W 82V
• Focussing for left or right-handed users
• Column reverses for floor projection

KAISER VP 6005

The Kaiser VP 6005 Black and white enlarger can be used for all formats up to 6 x 6 cm and lenses up to 80 mm. This enlarger uses filters, below the lens to make a print when using Multigrade paper. Kaiser also make colour enlargers (VCP) which can be used for Multigrade printing too. However, at the time of going to press there was no clear decisionas to whether to continue with these options so please call us before you order for then latest news.

• For all film formats up to 6 x 6 cm and lenses up to 80 mm focal length
• Can be upgraded to film formats up to 6 x 9 cm
• Removable compound negative carrier with interchangeable inserts
• adjustable masking strips and grid pins
• Inserts supplied: Anti-Newton glass on top, 6 x 6 format mask on bottom
• Wall and floor projection, tiltable lens stage, distortion correction on Scheimpflug principle.
• Enlarger head with 75 watt opal lamp, lamp adjustable
• Exchangeable double condenser system.
• Filter drawer
• Built-in red filter
• Quick-change attachment for lenses.
• Height adjustment by hand-crank operated friction drive.
• Baseboard (WxDxH): approx. 450 x 500 x 28 mm (17.7 x 19.7 x 1.1 in)

MULTIGRADE MID RANGE ENLARGERS

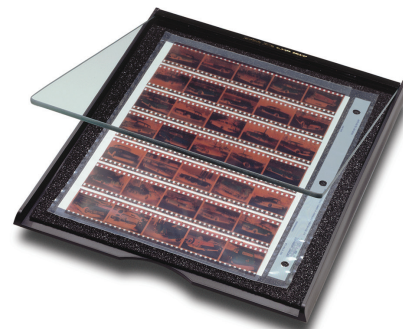| Code	Brand	Product	Description	Ex VAT	Inc VAT
12152	Beseler	Printmaker 67VC Enlarger and 50mm Lens Kit	Multi format enlarger for prints up to 12 x 16" with lens	£825.00	£990.00
12153	Beseler	Printmaker 67XL VC Enlarger and 50mm Lens Kit	Multi format enlarger for prints up to 16 x 20" with lens	£1,250.00	£1,500.00
12155	Beseler	Beseler Printmaker 67 6x6cm Glasssless Neg Carrier	For use with all Printmaker 67VC or 67VCXL enlargers	£133.33	£159.99
9100	Intrepid	4x5 Enlarger Kit MK2	Convert your 4x5 camera into a darkroom enlarger to make prints from your 4x5, 120, and 35mm negatives	£233.33	£280.00
9101	Intrepid	4x5 Enlarger 120 Negative Carriers	To use 120 film in your Interpid 4x5 Enlarger	£33.33	£40.00
9102	Intrepid	4x5 Enlarger 35mm Negative Carriers	To use 35mm film in your Interpid 4x5 Enlarger	£12.50	£15.00
9122	Intrepid	De Vere 504 Enlarger Converter	Convert any classic De Vere 504 Enlarger to use modern LED technology.	£450.00	£540.00
9011	Kaiser	VP 6005 6 x 6 Enlarger & neg mask	B&W, up to 6 x 6cm, uses filters, prints up to 12 x 16in.	£1,057.50	£1,269.00
12005	LPL	7700 VCCE Multicontrast Enlarger	B&W, up to 6 x 7cm, uses filter wheel, prints up to 16 x 20in.	£1,625.00	£1,950.00
12008	LPL	7700 Black and White Triple Condenser Enlarger	B&W, up to 6 x 7cm, uses filters, prints up to 16 x 20in.	£1,079.17	£1,295.00

Please Note: Some imported items are suffering fluctuating stock levels. For certainty check before ordering.

SCHNEIDER AND RODENSTOCK ENLARGING LENSES

For a budget-enlarging lens, we offer a 50mm focal length (for 35mm negatives) as a secondhand option of a Schneider Componon C. Each lens comes with a six month warrnaty. For 75mm focal length lenses (for medium format negatives) we supply our own chinese lens with its bright f4.5 aperture. Both each have a 4-element construction that will produce crisp 35mm enlargements up to 8 x 10 inches in normal conditions and 12 x 16 if fully stopped down.

For the ultimate in sharpest and reproduction, we recommend Rodenstock enlarging lenses. Made in Germany, they put precision into focus and offer the most extensive choice available on the market.

Our best seller is their Rogonar S version which offers a wide aperture, making it bright for baseboard focusing and ideal for students to see the image they are trying to enlarge. You can guarantee a high-quality result with only low-light fall off to the picture margin. The APO Rodagon is the lens to choose for selective enlargements or top-notch presentation. With its 20x magnification and six elements, and you cannot beat it for sharpness or light throughput.

ENLARGING LENSES

Code	Brand	Product	Description	Ex VAT	Inc VAT
25018	Schneider	Componar C 50mm f3.5 Enlarging Lens	4 element, for 35mm use, second hand, 6 month warranty	£45.00	**£45.00**
25020	Firstcall	75mm f3.5 Enlarging Lens	4 element, for medium format use, recommended	£54.16	**£64.99**
7002	Rodenstock	Rogonar S 50mm f2.8 Enlarging Lens	4 element, for 35mm use	£257.50	**£309.00**
7003	Rodenstock	Rodagon 50mm f2.8 Enlarging Lens	6 element, for 35mm use	£304.17	**£365.00**
7004	Rodenstock	Rodagon-N APO 50mm f2.8 Enlarging Lens	6 element, for 35mm use	£382.50	**£459.00**
7007	Rodenstock	Rogonar S 75mm f4.5 Enlarging Lens	4 element, for 6 x 6cm use	£220.00	**£264.00**
7008	Rodenstock	Rodagon 80mm f4 Enlarging Lens	6 element, for 6 x 6cm use	£320.83	**£385.00**
7011	Rodenstock	Rodagon-N APO 80mm f4 Enlarging Lens	6 element, for medium format use	£707.50	**£849.00**

PATERSON SINGLE SHEET EASEL

This Single Sheet 8 x 10-inch low cost easel is great for students or departments on a budget. Plastic in construction it gives a fixed border on every sheet of paper used. It is the cheapest easel we sell.

CONDOR 2 BLADE EASEL
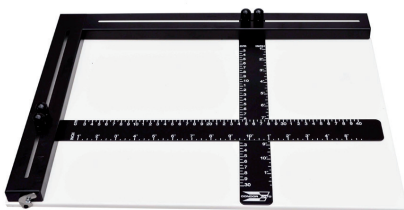
To many darkroom workers, the most useful size of enlarging easel is a 2-blade version that will hold all sizes of paper up to 12 x 16 inches. There is however only one 12 x 16 easel made and only Firstcall imports it.

Made by specialist company Condor, their 30 x 40cm model is made in Italy and is solidly built. Its all-metal construction will withstand rigorous handling in any classroom or darkroom. Remember, for portfolio work you need to print onto 12 x 16 inch paper or above and need a larger easel to hold it.

This 12 x 16 inch enlarging easel is fitted with adjustable precision guides and its paper stop is also adjustable. Furthermore, each sheet of paper automatically locks into position when in use. The blades include a dual measuring scale for the paper in both inches and centimetres.

BESELER BORDERLESS EASELS

Beseler makes these easels in two sizes, for standard and bigger enlargements, and make it simple to equip educational darkrooms.

They start at under £45, and their all-metal frames hold your paper down during exposure without an over-mask which means you can print to the full edge of the paper. They also include individual "finger-lift" notches for removing the paper after you have completed your exposure.

Although available in two "maximum" sizes, both easels include two adjustable paper guides with locking knobs meaning whatever paper size you use on the easel it is held solely in place with the clamping paper guides. They will also last a lifetime as they are constructed in a non-reflective black epoxy finish making the easels both sturdy and functional.
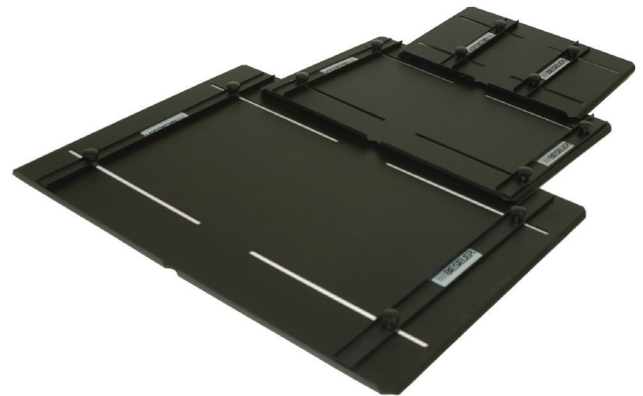
INTREPID 5X4 DEVERE ENLARGER CONVERSION KIT

Convert any classic De Vere 504 Enlarger to use modern LED technology. The Intrepid De Vere 504 head utilises the same technology as the Intrepid Compact and 4x5 Enlargers. The light source matches the results of the traditional 504 head, but as it uses LEDs, it is entirely silent to run, doesn't need stabilisation and uses a lot less energy.

This new product was born directly out of the need to replace the light sources in three of the 504 enlargers in the Intrepid Studios darkroom. With it, you can also give your old enlarger a new lease of life and switching heads Only takes around 5 minutes.

new

MASKING FRAMES/ENLARGING EASELS

Code	Brand	Product	Description	Ex VAT	Inc VAT
26129	Beseler	Masking Frame / Enlarging Easel, up to 8 x 10in.	Borderless, with 2 locking paper guides	£71.66	**£85.99**
26130	Beseler	Masking Frame / Enlarging Easel, up to 16 x 20in.	Borderless, with 2 locking paper guides	£248.33	**£297.99**
12022	Condor	Masking Frame / Enlarging Easel, 12 x 16	Unique, 2 blade	£124.17	**£149.00**
9040	Kaiser	Masking promask Frame / Enlarging Easel 4704, 12 x 16in.	German, 4 blade professional design	£999.17	**£1,199.00**
9041	Kaiser	Masking promask Frame / Enlarging Easel 4705, 16 x 20in.	German, 4 blade, professional design	£1,082.50	**£1,299.00**
26094	Paterson	Masking Frame / Enlarging Easel, 8 x 10in.	PTP682; Plastic, single sheet	£18.33	**£21.99**
9122	Intrepid	De Vere 504 Enlarger Converter	Convert any classic De Vere 504 Enlarger to use modern LED technology.	£450.00	**£540.00**

PATERSON CONTACT PRINTING FRAMES

Contact printing frames differ from easels in that they are designed to hold negatives and not paper with the intention of printing all negatives from a film onto a single sheet of paper thereby deciding in advance those that are worth enlarging. In effect, it is the first stage of printing. You can easily position the negatives in slots on the mask of the Paterson Proof Printers, and the resulting contact sheet enables natural choice of which negatives to enlarge. An entire 36 exposure 35mm or 120 film can be proofed on a single 8 x 10-inch piece of paper. Paterson offers four versions, but by far the most popular is the 35mm version. It takes six strips of 6 exposures with bars to separate the strips. The 6 x 6cm model takes four strips and is suitable for 6 x 6cm, 6 x 4.5cm, and 6 x 7cm formats. A larger version of the 35mm model accepts seven strips of six negatives to print onto 9.5 x 12inch paper and is available as a special order.

The Universal model takes 35mm or medium format negatives as there are no guide bars, just a single plate with a plain glass on top to complete the sandwich.

PRINTFILE CP-1 CONTACT PRINTING FRAME

Printfile manufactures a super negative contact printing frame which is 30% less than the Paterson. It has been designed to make contact prints through any Clearfile, Kenro or Paterson negative storage sheet. With its extra-heavy optical glass, you get even pressure which ensures direct contact prints from any 8 x 10 or 9.5 x 12-inch paper.

The other bonus is that the design does not have rails, meaning that the proofer is equally suited for work with 35mm or 120 format negatives.

CONTACT PRINTING FRAMES

Code	Brand	Product	Description	Ex VAT	Inc VAT
26109	Clearfile	Printfile CP-1 Contact Proofer	Universal, 35mm or 120 format contacts onto 8 x 10" paper	£58.33	£69.99
26089	Paterson	Contact Printing Frame, 35mm/8x10in	PTP619; Prints 35 negatives on an 8 x 10in. paper	£53.58	£64.29
26090	Paterson	Contact Printing Frame, 6 x 6cm/8x10in	PTP620; Prints 12 negatives on an 8 x 10in. paper	£53.58	£64.29
26101	Paterson	Contact Printing Frame, Universal	PTP623; Prints 35mm or 6x6cm but without guide bars	£53.33	£63.99
26135	Paterson	Contact Printing Frame 9.5x12 in	PTP621; 24 x 30cm	£53.58	£64.29

PATERSON 2000D ENLARGER TIMER

This timer regulates the time required to switch your enalrger light on or off.

It works with any enlarger of up to 5 amps and sets exposure times via the + or - buttons in increments of 0.1 seconds in the range 0.1 to 9.9 and in increments of whole seconds in the range 10 to 99 seconds. The brightness of the large, digital display can be adjusted to a level suitable to the sensitivity of the photographic material in use and can easily be read, even when set to minimum.

After you have put the paper into position under the enlarger, a single press of the Run button will switch on the enlarger for the required exposure time. It comes complete with a plug for your enlarger

RH DESIGNS TIMER 3

RH Designs Timer 3, with its larger variable brightness complete with digital display, is probably the best enlarger timer we've ever seen.

Being a bridge to f-Stop timing, you can choose between seconds or an f-Stop readout in the display. The seconds go from one-tenth through to 99 seconds while the f-Stop range is in 1/6th separations.

The central illuminated dial controls all the functions by clicking and holding it, including a lamp focus feature. When you run the timer, it is complemented by the audible alarm signal which you can use at the end of a sequence. Made from a solid metal case the connections are three-pin Schoko for both power and enlarger hook up.

ENLARGER TIMERS

Code	Brand	Product	Description	Ex VAT	Inc VAT
9024	Kaiser	Digital Enlarger Timer	0.1 - 99 secs, 4030, 4 easy buttons	£183.33	£219.99
26589	Paterson	2000D Precision Enlarger Timer	PTP745; 0.1-99.9 seconds, with interrupt, digital	£82.49	£98.99
83001	RH Designs	StopClock Pro Enlarger Timer	F-Stop timing	£299.17	£359.00
83009	RH Designs	Timer 3	Probably the best enlarger timer ever made	£182.50	£219.00

SPARE ENLARGER LAMPS

Code	Product	Description	Ex VAT	Inc VAT
26559	P3/3 ES Screw Enlarger Lamp, 75W	Also for copy stands, 240V/75W	£4.92	£5.90
12007	Premium ES Screw Enlarger Lamp, PH-1400 240v 75w	230V/75W	£16.66	£19.99
26560	P3/4 ES Screw Enlarger Lamp, 150W	Also for copy stands, 240V/150W	£9.83	£11.80
26562	A1/231 Enlarger Lamp 12V/100W	For most colour-heads 2 Pin	£6.80	£8.16
68001	Tricolour Enlarger Lamp, 35W	For old Philips, 14V 35W, need to order 3 lamps	£16.66	£19.99
12154	Beseler Printmaker 67VC Series Enlarger 82v 85w	ESJ 82v 85w halogen lamp for Beseler 67VC enlarger	£23.17	£27.80
26556	EKG Enlarger Lamp, 80W	19V/80W	£13.78	£16.54

Please Note: Some imported items are suffering fluctuating stock levels. For certainty check before ordering.

DELTA PROJECTION PRINT CALCULATOR SCALE

One of the most challenging things to teach when a student of photography is in the darkroom is how to get a correct exposure for their negatives. In time the eye becomes expert at choosing the best-timed exposure, but a little help is now at hand from the Delta to get students to that point.

The Delta Projection Print Calculator Scale gives perfect exposures every time. It has eight pie wedges of calibrated, graduated density that help determine the exposure time, by showing the time in seconds. All it takes is one test exposure; you place the unit on a piece of graded or Multigrade paper and then exposure your negative in the enlarger for 60 seconds. After developing this test exposure, you select the exposure time in seconds that corresponds to the best appearing sector.
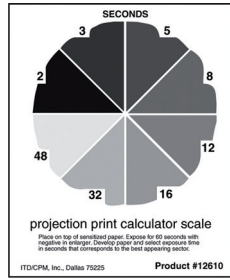
The Delta Projection Print Calculator Scale is easy to use, saves time, paper, and chemistry. The scale is 4 x 5 inches in dimension. For more accurate metering we sell two units from RH Designs – their meter and the more advanced, Analyser.

SECONDS

projection print calculator scale

ITD/CPM, Inc., Dallas 75225   Product #12610

PATERSON FOCUS FINDERS

The Paterson Micro Focus Finder or its big brother, the Major Focus Finder are great for focusing on the grain on your baseboard from the enlarger. The Micro is lightweight, adjustable for different eyesight users, easy to move around the baseboard and uses a horse-hair to split-image fine focusing. The Major version is over twice the size of the Micro Focus Finder. This taller instrument enables the enlarger controls to be comfortable reached when making large prints although it is equally suitable for smaller prints down to 3.5 x 4.5in

It is entirely adjustable for individual eyesight with a weighted base for extra stability.

FOCUS FINDERS

Code	Brand	Product	Description	Ex VAT	Inc VAT
26108	LPL	Focus Finder	5x magnification, offers precise sharpness	£16.67	**£20.00**
26093	Paterson	Focus Finder, Micro	PTP643. 20x magnification, offers precise sharpness	£27.08	**£32.49**
26095	Paterson	Focus Finder, Major	PTP644, For larger prints	£53.58	**£64.29**

METERS AND TEST STRIP PRINTERS

Code	Brand	Product	Description	Ex VAT	Inc VAT
18005	Delta	Test Strip Printer, Print Projection Calculator Scale	Low-cost grey scale to make test prints	£13.33	**£15.99**
83001	RH Designs	StopClock Pro Enlarger Timer	F-Stop timing	£299.17	**£359.00**
83002	RH Designs	Analyser, B & W, Pro	Enlarger Meter & Timer takes a footswitch	£357.50	**£429.00**

EPSON PERFECTION SCANNERS

Epson Perfection Scanners are ideal for converting your negatives or slides into digital files. The two models in the range have multiple adaptors for 35mm or 120 films and can scan up to 12 images in one pass, see our website for more details.

EPSON SCANNERS

Code	Brand	Product	Description	Ex VAT	Inc VAT
24023	Epson	Perfection V600 Photo Print & Film Scanner	6400 dpi x Sub 9600 dpi, 35mm negatives & slides, medium format	£249.17	**£299.00**
24031	Epson	Perfection V850 Pro Print & Film Scanner	6400 dpi, 35mm, 120 and 5x4 in film scans; print scans to A4	£740.83	**£889.00**

PRINT TONGS

Print tongs are needed to handle the prints in each of the developing dishes or when using the washers to avoid contamination or skin irritations. You should dedicate different tongs to each chemical, and thoroughly wash them after each session.

Paterson print tongs have textured sides for a firm grip and deep shoulders to stop them sliding into the solutions. An attractive alternative is a hybrid version from AP being a print tong that has a clamp built into the design, making it also suitable for use as a film or print clip to hang your prints or films up to dry - a great three-in-one aid. We also stock bamboo (sets of 3), and stainless tongs (singles) in our brand.

PATERSON DEVELOPING DISHES

These British-made trays are available for all popular print sizes up to 20 x 24 inches and moulded from thick polypropylene. Perfect for developing your darkroom prints.

The specially designed base ribbing gives maximum economy for the solutions, and a moulding firmly supports a thermometer. You can buy them in all popular print sizes and in 3 colours to differentiate between chemicals under safelight conditions; Base design gives the maximum economy of solution and easy print removal; Pouring lip for drip-free emptying.

We sell most dishes in sets of 3 with one of each colour (except the 20 x 24-inch size).

DEVELOPING DISHES AND PRINT TONGS

Code	Brand	Product	Ex VAT	Inc VAT
26091	AP	Print Tongs, Set of 2	£6.16	**£7.39**
38010	Firstcall	Print Tong, Stainless steel, Pack of 2 tongs	£13.33	**£15.99**
38011	Firstcall	Print Tongs, Bamboo, Set of 3	£6.80	**£8.16**
26092	Paterson	Print Tongs, Set of 3	£8.99	**£10.79**
26165	Paterson	Developing Dishes Set of 3, 5 x 7in.	£10.83	**£12.99**
26166	Paterson	Developing Dishes Set of 3, 8 x 10in.	£12.83	**£15.39**
26167	Paterson	Developing Dishes Set of 3, 10 x 12in.	£15.66	**£18.79**
26168	Paterson	Developing Dishes Set of 3, 12 x 16in.	£24.49	**£29.39**
26169	Paterson	Developing Dishes Set of 3, 16 x 20in.	£32.49	**£38.99**
26170	Paterson	Developing Dish Single, 20 x 24in.	£26.99	**£32.39**

Darkroom

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Enlarging Easels / Contact Frames

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PATERSON HIGH SPEED PRINT WASHER

This washer is for RC papers; the flow pattern of the High-Speed Print Washer creates turbulence on both sides of the print to ensure it removes all chemicals thoroughly. There are two models; for prints up to 8 x 10 inches and the for prints up to 12 x 16 inches. They wash RC papers in 2 to 4 minutes with separators provided to keep small prints apart.
You get an outlet and inlet hose, and domestic tap adaptor with the washers.

Please note:
A new range of
Nova Academy Washers
are due to be launched
during 2023

DEVILLE PHOTOLAV WASHER

The Deville Photolav attaches to the inside of any developing dish (from 12 x 16 inches and upwards) thereby converting a standard developing dish into a washer tray.
Its intelligent design achieves two things.
• 1 First, it drives the wash water at high speeds into the tray,
• 2 It pushes the fixer out from the bottom of the tray so that the paper is more thoroughly washed.

It is attached easily by using the generous hinge clip.

PATERSON AUTO PRINT WASHER

When making prints on fibre-based papers, efficient washing is essential to avoid stains appearing. The Paterson Auto Print Washer provides the most rapid and effective method of washing this type of paper as its unique agitation system removes all residual chemicals.
It will take up to twelve prints up to 10 x 12 inches or twenty-five 8 x 10 prints, each print held in its cradle, again it fits a domestic water supply and comes with fittings included.

PRINT WASHERS

Code	Brand	Product	Description	Ex VAT	Inc VAT
26118	Deville	Print Washer, Photolav	Attaches to inside of dev.dishes 12x16" and larger	£57.50	£69.00
21032	Nova	Print Washer, Washmaster Eco, Fibre, 12 x 16in.	Archival fibre wash for 5 prints - 12 x 16in. maximum	£249.96	£299.95
26098	Paterson	Print Washer, Auto, Fibre 12 x 10in.	PTP231; Takes 12 prints, up to 12 x 10inch	£119.99	£143.99
26099	Paterson	Print Washer, High Speed, RC, 8 x 10in.	PTP235; Up to 2 prints, maximum 8 x 10inch	£29.58	£35.49
26100	Paterson	Print Washer, High Speed, RC, 12 x 16in.	PTP250; Up to 2 prints, maximum 12 x 16inch	£48.91	£58.69

PRINT DRYING

Once you have dried your print, you can mount or present it in your portfolio. There are two primary methods to dry your prints – rack or heated dryers and the free way of hanging from a clothesline with pegs which are still used but not recommended (due to curling).

PATERSON RC PRINT SQUEEGEE

Squeegees are specially designed to remove surplus water from both sides of prints on resin coated paper for rapid and even drying. They will help you speed up your drying regardless of the final aid you use. Paterson's 9-inch long version has soft rubber blades that ensure that prints will not be damaged.
It is suitable for prints up to 16 x 20 inches and made from anti-corrosion materials, resistant to all photographic chemicals. It also has a unique spring loading system on the floating action of one blade. A cheaper (and shorter) film and print alternative is available from AP.

Remember
Washaid or Hypo Clearing Agent promotes the speed with which thiosulfate silver complexes wash out of paper (especially fibre-based paper) after fixing - which in effect reduces the wash time needed.

DELTA PHOTO BLOTTER DRYER BOOK
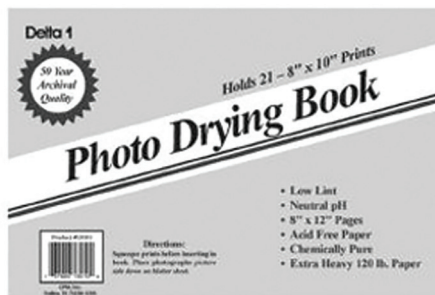
Acid-Free, this extra thick paper book, with dry wax interleaves, is the modern way to blot photo papers dry.
Instead of using single sheets this blotting paper, buffered with calcium carbonate to eliminate acid transfer on prints, helps store up to 21 prints together for future finishing. The paper stock contains no sulphates that could harm your images, and we guarantee a fifty-year archival quality, making it museum use approved. Neutral pH, the actual size of the paper is 8 inches by 12 inches.

PATERSON DRYING RACK

Prints on resin coated paper dry flat quickly in this rack which allows free circulation of air and holds up to 5 prints 12 x 16 inches or 10 prints 8 x 10 inches or smaller. Special separators ensure minimum contact with the print.
The design of the rack is for resin-coated paper only.

PRINT DRYING

Code	Brand	Product	Description	Ex VAT	Inc VAT
14004	Delta	Photo Blotter Drying Book	Holds 21 - 8 x 10 in prints	£40.83	£49.00
26097	Paterson	Print Squeegee	PTP255, For prints up to 16 x 20in.	£25.66	£30.79
26102	Paterson	Rapid Print Drying Rack, 12 x 16in.	PTP258; For prints up to 12 x 16inch	£36.08	£43.29

Please note, since Brexit, some imported items are suffering fluctuating stock levels. For certainty check before ordering.

EPSON INK JET PRINTERS

EPSON SURECOLOR SC-P900 PHOTO PRINTER

The SureColor SC-P900 is Epson's top-of-the-range A2+ desktop Professional Photo printer. This superior-quality printer uses UltraChrome HD ink and is ideal for professional photographers and artists wishing to produce true-to-life photos on a range of media.

You can easily print from several devices, including tablets, PCs and smartphones, thanks to Wi-Fi connectivity. Using UltraChrome HD ink, the new nine-colour ink-set produces true-to-life photos with vivid colours and the deepest blacks on the market. Your prints will last for ages thanks to the inks' improved lightfastness, and sizeable 50ml ink cartridges mean fewer trips to change the ink. The SC-P900 is the smallest A2 printer with roll paper option, which enables you to print panoramic photos on formats such as banners and gallery wrap canvas. Three paper paths, including a front-loading fine art paper path, meaning you can easily switch between different formats. With the SC-P900, it is easier than ever before to print from a whole range of devices. It also offers wireless functionality, and with Epson Connect compatibility, easy printing from tablets, PCs and smartphones is a simple task. Wi-Fi Direct is also supported, meaning the printer can easily communicate with your smart devices.

The SC-P900 features quick, simple set-up and operation thanks to a large 2.7-inch colour touch panel. It guides the user through how to load different media types. It enables them to switch between these before printing quickly - and we nearly forgot - the best bit about this printer is that it will print images up to 10 feet long with the roll paper adaptor (optional extra - unfortunately).

- Ten-colour UltraChrome HD inks
- Exceptional quality colour images with deepest blacks and rich tones
- Wi-Fi Direct and Epson Connect
- Easy to connect wirelessly and over the Cloud
- High speed
- Produce an 11 x 17 inch print in only 153 seconds
- Roll paper option- prints 17 inch prints up to 10 feet long
- Large colour 2.7 inch touch screen
- Easy to set up and manage
- Generous ink cartridge size 50ml size
- Ideal for medium volumes of professional - quality photo prints
- Uses T47 cartridges

EPSON SURECOLOR SC-P700 PHOTO PRINTER

The SureColor SC-P700 is Epson's top-of-the-range A3+ photo printer. This fast, flexible and easy-to-use printer with superior producivity and wireless connectivity, prints professional-quality photos in sizes up to A3+. Ideal for amateur and semiprofessional photographers, the SureColor SC-P700 is also perfect for any business that has a regular requirement for high quality colour presentations.

Professional quality
Epson's ten-colour UltraChrome HD inkset with improved wide colour gamut to produce superb quality prints. The highest black density (2.86 DMax on PGPP) produces deep, rich blacks and ultra-smooth tonal gradation.

Easy-to-use
Featuring a large 4.3 inch colour touch panel, the printer is simple to set up and manage, even without a PC. Automatic Wi-Fi set up makes connectivity a breeze.

Stay connected
Exceptional Wi-Fi Direct® wireless connectivity makes it easy to print from smartphones, tablets and PCs, alongside Epson Connect support. Apple AirPrint supported. Google Cloud Print also supported.

Flexible printing
Twin paper paths enable A3+ printing on a wide variety of photo and fine art papers, canvas and thick media, while the machine's roll-paper capability is perfect for high-impact panoramic images.

- Ten-colour UltraChrome Pro 10 HD inks
- Exceptional quality colour images with deepest blacks and rich tones
- Wi-Fi Direct and Epson Connect, Apple AirPrint, and Google Cloud Print
- Easy to connect wirelessly and over the Cloud
- High speed
- Produce an 11 x 14 inch print in only 153 seconds
- Large colour 4.3 inch touch screen
- Easy to set up and manage
- Generous ink cartridge size (25ml)
- Expanded blue colour gamut
- Deepest black tones on the market
- Black enhance overcoat technology for finer detail and texture
- Ideal for medium volumes of professional - quality photo prints

EPSON EXPRESSION PHOTO XP-15000 PHOTO PRINTER, A3+

Epson's XP-15000 provides ink economy, printing speed & (thick) media versatility all at the larger A3+ size.

You can print from anywhere in the world by emailing photos and documents directly to the printer: print long-lasting and professional-looking glossy photos with Claria Photo HD Inks. The set of six inks includes grey for superior black and white photos with a smoother tonal gradation, and red for vivid and realistic colours thanks to the wider colour gamut.

- 6.1cm LCD display
- High-quality photo printing: Six Claria Photo HD inks for long-lasting photos
- Flexible: Wi-Fi and Ethernet connectivity and easy mobile printing
- Dual paper trays: One for A3+ and another for photo paper
- Versatile media: Prints on thick card & CD/DVDs
- Automatic duplex: Save paper and money
- Up to 5,760 x 1,440dpi print resolution
- 500-760 pages ink yield (black/colour) per XL cartridge

We stock a full range of cartridges for Epson printers. See page 56

EPSON PHOTO PRINTERS

Code	Product	Description	Ex VAT	Inc VAT
23941	Expression Photo XP-15000 Photo Printer, A3+, Wi-Fi	6 individual XL inks, prints on thick media, up to 32 ppm (mono)	£249.17	£299.00
24037	SureColor SC-P700 Professional A3+ Photo Printer	Nine-colour UltraChrome HD inks, Wi-Fi Direct and Epson Connect	£565.83	£679.00
24042	SureColor SC-P900 Professional A2+ Photo Printer	Ten-colour UltraChrome HD inks, Wi-Fi Direct and Epson Connect	£899.17	£1,079.00

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CANON INK JET PRINTERS

CANON PIXMA PRO-200S PHOTO PRINTER

CANON PROGRAF PRO-300 PHOTO PRINTER

CANON PROGRAF PRO-1000 PHOTO PRINTER

With Canon's new PIXMA PRO-200S professional A3+ photo printer, you can take the perfect shot, then pair it with the perfect printer to complement your creativity.

The Canon PIXMA PRO-200S is designed for aspiring photographers to show their true colours in print. Vibrant professional printing and exceptional colour reproduction are just a few clicks away with our new 8-ink dye-based system, helping bring your photos to life. Compact, versatile, and easy to use, Canon PIXMA PRO-200 will help you print like the pros. From fine art, glossy, borderless, and panoramic media handling to auto skew correction and 3 paper feed options, you get excellent results every time. Backed by exceptional technology and software, like Canon's user-friendly Professional Print & Layout plugin for a one-stop edit-to-print experience, it's all at your fingertips thanks to a 3-inch LCD display.

This superb Canon A3+ printer also features ChromaLife 100+ inks which have tested with the following characteristics:
- 300-year album life
- 30-year light fastness
- 20-year gas fastness
- Resisting heat and humidity
- Enhanced colour reproduction

The media range is great too with the PRO-200S accepting paper up to 350g/m2 in the manual feeder.

- Stunning photos up to A3+ at home
- Rich colours with 8-ink dye-based Chroma Life 100+ Ink System
- Quality grayscale prints with 3 mono inks
- Fast printing: A3+ photo in 1min 30sec
- Print plug-in for efficient workflow
- Wide range of media support
- Auto Skew Correction
- PictBridge WLAN

The imagePROGRAF PRO-300 offers superior colour and monochrome printing quality and productivity, this Canon A3 printer has the same print workflows as its larger imagePROGRAF PRO models. It gives you the easiest route to gallery quality results thanks to the Canon Professional Print & Layout software and plugin. This compact A3 printer also works seamlessly with EOS camera technology to unlock unique features such as HDR and DPRAW for breath-taking fine art photography prints to display and cherish forever.

By connecting easily with PC or Mac using Wi-Fi or ethernet you achieve professional results on a wide variety of media up to A3+ in super-quick time thanks to zero ink switching. You also have the option of borderless printing on glossy or fine art papers and print panoramic images to custom lengths up to 990.6 mm. Using 10 LUCIA PRO pigment inks, the printer delivers outstanding colour with a dedicated chroma optimiser ink to reduce bronzing and deliver stunning tonal superiority.

The imagePROGRAF PRO-300's Matte Black ink enables greater expression of monochrome images with deeper and more vivid blacks on fine art paper and print with confidence thanks to a built-in nozzle recovery function that helps to reduce clogging, while built-in skew correction offers smooth media feeding.

Finally we really like the Canon Professional Print & Layout software and plugin, which takes colour matching to new levels of excellence.

- 3-inch LCD display
- 10-ink system
- Borderless printing
- Chroma Optimiser
- Wi-Fi printing
- LUCIA PRO inks

The imagePROGRAF PRO-1000 lets you create beautiful prints of your photography and artwork with rich colours and sharp details at an impressive A2 paper size. With 12 separate LUCIA PRO pigment ink cartridges, you get exceptional detail, with deeper colours and richer blacks for photos that will stand out for both exhibitions and portfolios. Connectivity via Wi-Fi, mobile devices and cloud platforms ensures seamless and efficient printing sessions.

It optimizes colour precision with smaller droplet sizes, deeper black densities, a wider colour gamut and uniform gloss. It also allows expansion of your options by moving effortlessly from gloss, matt, fine art paper and canvas printing, all borderless if preferred. Multiple black inks mean monochrome images print with deep shades and smooth tones.

The printer can keep printing interruptions to a minimum with large capacity 80ml ink tanks and an easy-to-replace maintenance cartridge.

In use, you can increase efficiency and boost professionalism with Canon's Print Studio Pro plug-in software launched from Adobe Lightroom, Photoshop, and Canon's Digital Professional software.

- 3-inch LCD display
- 12-ink system
- LUCIA PRO inks
- Borderless printing
- Chroma Optimizer
- Wi-Fi printing
- Canon Print APP
- Uses PFI-1000 cartridges

We stock a full range of cartridges for Canon printers. See page 57.

CANON PHOTO PRINTERS				
Code	Product	Description	Ex VAT	Inc VAT
24099	PIXMA PRO-200S Inkjet Printer, Wi-Fi, A3+	8 inks, Direct Disc Print, Professional Photo Printer	£382.50	£459.00
24100	PROGRAF PRO-300 Inkjet Printer, Wi-Fi, A3+	10 inks, Direct Disc Print, Professional Photo Printer	£549.17	£659.00
24101	PROGRAF PRO-1000 Inkjet Printer, Wi-Fi, A2	12 pigment inks, Wi-Fi, Cloud Link, 3 inch LCD display, Professional Photo Printer	£857.50	£1,029.00
24110	PIXMA iP8750 Inkjet Printer, Wi-Fi, A3+	6 inks, XL inks available	£232.50	£279.00
24111	PIXMA iX6850 Inkjet Printer, A3+	9600 x 2400 dpi, A3+, low cost 5 ink printer	£165.83	£199.00

Please note, since Brexit, some imported items are suffering fluctuating stock levels. For certainty check before ordering.

FILM CAMERAS

Film is the starting point for all analogue photographers. Taking the picture using a film camera, to many, is the major attraction over digital alternatives. This often superior feeling is a result of having to think about how you will record the image, rather than the "just defaulting to the disposal option" of many digital photographers who can keep on repeating the shot until the "camera" produces a satisfactory outcome.

There are few manufacturers of new SLR film cameras now, except for the niche, and expensive, offering from Leica. However, at Firstcall, we aim to keep the art of film photography alive and offer a range of different solutions – unfortunately, only secondhand now for film SLR cameras.

SECOND HAND 35MM FILM SLR

With the prospect of no more new film SLR cameras, we have embarked on an innovative solution by putting together used Pentax SLR film cameras with a new Phenix 50mm f1.7 lens. Available in a choice of three different body types, each one comes with a 3-month guarantee, and prices range from just £137 through to £239; this is an excellent way to purchase reliable and inexpensive film SLR cameras. Your model choice will depend on the availability of supply.

PENTAX P30/T C/W C/W 50MM LENS

The Pentax P30 is an entry-level 35mm manual focus camera that offers the choice of Programmed AE, Aperture-Priority AE, Metered Manual and Programmed Auto Flash. The P30 offers a titanium foil shutter with 1/100th flash sync, a top shutter speed of 1/1000th and TTL (Through-The-Lens) flash metering.

It accepts all lenses that are compatible with the Pentax K-mount bayonet lens mount. This camera includes a Phenix 50mm f/1.7 lens. The P30N is similar but in Grey and has a diagonal focus.

- Full-featured Multi-mode Pentax in the Classic style
- Open-aperture, TTL center-weighted, average area metering system
- 1/100th flash sync capability
- 1/1000th maximum shutter speed
- TTL flash metering

PENTAX ME SUPER C/W 50MM LENS

The Pentax ME Super is an aperture priority exposure film SLR with full manual override, manual focus and manual wind-on. Robust construction, simplicity and ease of use have made it a top choice as a second-hand purchase for photographic students.

It accepts all lenses that are compatible with the Pentax K-mount bayonet lens mount. It is a classic, solidly constructed all-manual 35mm SLR camera that is straightforward and simple to use having no fully automatic mode like the MZ ranges.

Like the others, we include a 50mm f/1.7 Phenix lens which accepts 49mm filters and accessories.

PENTAX K1000 C/W 50MM LENS

The iconic Pentax K1000 was Pentax's classic intro-level film SLR, which gained a very high popularity among photography students due to its rugged build and low price.

The original K1000 was a KM without the depth of field preview and self-timer. The top and bottom plates were changed from metal to plastic in the final production run, and the camera comes with a Phenix 50mm f1.7 lens.

Please bear in mind that any of our second-hand K1000 cameras will be at least 20 (and some nearer to 40) years old. While it's nice to own a classic, it might be more prudent to buy a more-recent P30 or ME Super model with more features and reliability.

- Year introduced: 1976
- Mount: K
- Meter range: 3 - 18 EV
- Meter pattern: c
- ISO range: 20-3200
- DX ISO range: No DX coding

PRAKTICA MTL3 C/W 50MM LENS

The Praktica MTL3 was Praktica's classic entry level film SLR, which was made in East Germany by Pentacon, using the 42mm screw mount. It was produced between 1978 and 1984 and based on the LTL 3. It's solidly made and we sell it because it is a fully manual camera that teaches newcomers to film photography the essentials of light control without an auto button. It's also fully repairable unlike so many other big brand alternatives.

In many ways, its features very similar to the Pentax K1000 and it is an equally heavy camera. However, on the plus side it's one of the cheapest entry SLR cameras for students of film photography.

ISO Setting: ISO 12 to ISO 1600, Shutter Speed: B, 1 second to 1/1000, sync at 1/125, Aperture: f/1.8 to f/16 and Automatic exposure control system are among the key specifications.

Film Cameras

Digital Cameras

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HP5 SINGLE USE CAMERA

Perfect for party or wedding celebrations, we sell Harman's real black and white Single Use Camera with Flash that comes preloaded with Ilford HP5. You process HP5 in B&W chemistry, meaning you process it yourself if you are prepared to open the camera – or send it back to Ilford for processing and printing. The current cost of this from the IlfordLabDirect is £11.50 and returned using Royal Mail. Each camera has 27 pictures with full flash on/off function and the high speed (ISO 400) B&W film guarantees excellent results each time. You can also get this version with processing by Ilford included

ILFORD SPRITE 35-II CAMERA WITH FLASH

This new offering from Ilford is one of the best inexpensive film cameras you could give to a photographic beginner. It offers vintage styling, just load any 35mm film hit the shutter button and wind the film lever on to advance to the next shot.

It's totally reusable so that films can be processed personally or in a photographic minilab. Two colours options are available black or silver. It has a fixed shutter speed (1/120s) with a 31mm, single element f9 fixed-focus wide-angle lens and built-in flash with 15-second recycle time

HOLGA 120

For medium format, the basic Holga film camera in 120 format costs less than £30, but we recommend the Holga 120 GCFN. With a built-in flash incorporating a colour filter wheel, the GCFN allows you to choose different colours to splash/flash your subjects.

RETO ULTRA WIDE SLIM 35MM CAMERA

Reto's new slim and lightweight 35mm film camera sets it above and beyond the current plethora of new plastic camera introductions in the last 18 months (Kodak, Agfa et al) by being small in size, including a well-built ultra-wide lens of 22mm and offered in five contemporary colours. We are stocking them all - classic Charcoal and Cream, as well as voguish colours of Murky Blue, Pastel Pink and Muddy Yellow.

Features
• Ultra-wide angle lens - capture wide views and put everything in the picture
• Super light and slim - pocket-size camera which weights only 68.8g
• Point and shoot - perfect for street snapshots to record your everyday life

We suggest that you use ISO100/200 films if you shoot in bright sunlight; and ISO400 or above for sunny or cloudy days.

Specifications
• Film Format: 135 Film (24x36mm)
• Optics Lens: 22mm, F=11,
• 2-Element Optical Grade Acrylic Lenses
• Focusing: Focus Free, 1m~Infinity
• Shutter Speed: 1/125s
• Film Transport: Manual wind and rewind
• Dimensions: 100(W)x59(H)x28(D) mm
• Weight: 68.8g
• Main Material: ABS

FILM CAMERAS

Code	Brand	Product	Ex VAT	IncVAT
26473	Fujifilm	QuickSnap Flash Single Use Camera	£14.99	**£17.99**
11164	Harman	HP5 Plus Single Use camera with flash, 27 exp	£14.16	**£23.69**
11166	Harman	HP5 Plus Single Use camera +flash, 27ex, inc processing	£18.58	**£37.09**
11167	Harman	Reusable Camera with Flash, inc.2x 36 exp. film	£29.16	**£34.99**
31200	Holga	120N Medium Format Camera Black	£24.99	**£29.99**
31201	Holga	120WPC Medium Format Wide Angle Pinhole Camera Black	£37.50	**£45.00**
31202	Holga	120GCFN Medium Format Camera Black	£35.83	**£42.99**
11177	Ilford	Sprite 35-II Camera with Flash, Black	£37.49	**£44.99**
11178	Ilford	Sprite 35-II Camera with Flash, Silver	£37.49	**£44.99**
90575	Kodak	EKTAR H35 Half Frame Camera Black	£49.17	**£59.00**
90576	Kodak	EKTAR H35 Half Frame Camera Brown	£49.17	**£59.00**
90577	Kodak	EKTAR H35 Half Frame Camera Sage	£49.17	**£59.00**
90578	Kodak	EKTAR H35 Half Frame Camera Sand	£49.17	**£59.00**
90535	Lomography	Black and White Simple Use Camera	£16.21	**£19.45**
90536	Lomography	Color Negative Simple Use Camera	£23.33	**£28.00**
90540	Lomography	Metropolis Simple Use Camera	£19.08	**£22.90**
90036	Pentax	ME Super Body c/w Phenix 50mm f1.7 Lens	£155.00	**£155.00**
90039	Pentax	P30N Body c/w Phenix 50mm f1.7 Lens	£137.00	**£137.00**
90055	Pentax	K1000 Body c/w Phenix 50mm f1.7 Lens	£239.00	**£239.00**
90056	Praktica	MTL3 35mm Film SLR w/Pentacon Auto 50mm f1.8 MC	£99.00	**£99.00**
90570	Reto	35mm Ultra Wide Slim Camera, Charcoal	£29.99	**£35.99**
90571	Reto	35mm Ultra Wide Slim Camera, Cream	£29.99	**£35.99**
90572	Reto	35mm Ultra Wide Slim Camera, Murky Blue	£29.99	**£35.99**
90573	Reto	35mm Ultra Wide Slim Camera, Pastel Pink	£29.99	**£35.99**
90574	Reto	35mm Ultra Wide Slim Camera, Muddy Yellow	£29.99	**£35.99**
26296	Washi	Z Single Use Camera, 24 exposures	£8.74	**£10.49**
26297	Washi	D Single Use Camera, 36 exposures, with flash	£8.74	**£10.49**

Please Note: Some imported items are suffering fluctuating stock levels. For certainty check before ordering.

Film Cameras

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Camera Accessories

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INTREPID CAMERAS

This British company, now being proudly distributed to the educational market, produce the best value range of large- format cameras available. On top of the camera, you will need to buy a lens board (which Intrepid make) and lens (which they don't but plenty of secondhand options are still available from Nikkor, Fuji, Schneider or Rodenstock). You will also need a film holder which we sell from Toya and finally a dark cloth to aid focussing outside – again available from Intrepid.

INTREPID BLACK EDITION 4X5

The premium edition Intrepid 4x5 features a sleek 'all black' design, made primarily of high-quality 3D-printed parts, all produced and assembled in-house.
The base and front standard supports are anodised aluminium for increased stability and the bellows our signature water-resistant Nylon. The camera also features the incredibly precise rear controlled focus system and fully independent front standard movements of the 4x5 MK4.
As with all Intrepid Cameras, versatility is key, the universal Graflok back means you can mount a whole range of roll film adapters (from 6x6 to 6x17), Polaroid/instant film backs and of course the Intrepid Enlarger.
The ideal companion for any situation from the studio to a mountainside, and at just 1 kg you will barely notice the weight.

INTREPID 4X5 MK4

Now in its 4th generation, the Intrepid 4x5 is a modern rethink of the traditional large format field camera.
Whilst being super lightweight (at 1.2kg), and fast to set up, it is also incredibly hard wearing and reliable, producing great results no matter the conditions. The aluminium base, rear focus and linear guides are features usually only seen in high end cameras and allow for consistant pin-sharp focus and increased stability even with the heaviest lenses.
The 4x5 MK4 is the perfect companion for any situation but it really thrives when it is put through its paces out and about. Versatility is key with every aspect, and whilst being able to shoot all 4x5 sheet film you can also shoot wet plate (collodion), instant film, and 120 roll film thanks to the Graflok clips on the rear standard.

INTREPID 4X5 LENS BOARDS

The Intrepid 4x5 Lens Board is designed to perfectly fit all Intrepid 4x5 cameras.
Large format lenses are interchangeable across different camera brands; to mount them, you first need to attach them to your camera's right lens board. The Intrepid 4x5 takes 96mm x 99mm lens boards, or you can use most Linhof / Technika style boards as they are the same size.
The Intrepid 4x5 accepts focal lengths from 75mm-300mm, but if you start out with 4x5, we recommend getting yourself a 150mm lens at first. Equivalent to a 50mm lens on a 35mm camera and considered the 'standard focal length', it is roughly what the human eye sees.
Lens boards come in three sizes corresponding with the size of the shutter your lens has. Copal is the most common type of shutter, and most other shutter types (Seiko and Compur) come in these three standardised sizes.
The Lens board size is 96mm x 99mm.
Copal #0 - 34.6 mm
Copal #1 - 41.6 mm
Copal #3 - 65 mm

INTREPID 4X5 DARK CLOTH

These custom Intrepid dark cloths are hand-produced in Washington, USA, by Wanderer. Each designed to match seamlessly with the bellows colour of your Intrepid 4x5 or 5x7 camera.
Made from hand-selected thick cotton with a smooth black twill interior to block out as much light as possible.
Each dark cloth also features an elastic drawstring to secure it neatly around your camera, so no need to hold it in place or worry about it blowing off in the wind.
Care is put into every detail of the cloths, from the material choice to the hand-embroidered Intrepid logo in the bottom corner.
Dimensions: 91cm x 122cm (36" x 48")

INTREPID LARGE FORMAT CAMERAS

Code	Brand	Product		Ex VAT	Inc VAT
9103	Intrepid	4x5 Black Edition	Premium edition Intrepid 4x5 features a sleek 'all black' design,	£316.67	£380.00
9104	Intrepid	4x5 MK4 (Blue Bellows)	Modern rethink of the traditional large format field camera.	£266.67	£320.00
9105	Intrepid	4x5 Lens Board Copal #0	Intrepid 4x5 Lens Board is designed to perfectly fit all Intrepid 4x5 cameras	£15.00	£18.00
9106	Intrepid	4x5 Lens Board Copal #1	Intrepid 4x5 Lens Board is designed to perfectly fit all Intrepid 4x5 cameras	£15.00	£18.00
9107	Intrepid	4x5 Lens Board Copal #3	Intrepid 4x5 Lens Board is designed to perfectly fit all Intrepid 4x5 cameras	£15.00	£18.00
9108	Intrepid	4x5 / 5x7 Dark Cloth Blue	Matches the bellows colour of your Intrepid 4x5 or 5x7 camera.	£59.17	£71.00
9109	Intrepid	4x5 / 5x7 Dark Cloth Black	Matches the bellows colour of your Intrepid 4x5 or 5x7 camera.	£59.17	£71.00
9110	Intrepid	4x5 Pinhole Lens	Create long exposures and sharp images with your 4x5 camera	£25.00	£30.00
9120	Intrepid	Lens Board Adapter	Allows use of lenses mounted on your Intrepid 4x5 boards with your 8x10 camera	£33.33	£40.00

PINHOLE AND 3D CAMERAS

The concept behind pinhole cameras has been known since the eighteenth century when artists of the time used a camera obscura (dark chamber) as an aid to drawing. It was a box with a lens at one end and a sheet of tracing paper at the other end. You pointed the camera obscura at the scene, and then you traced the outline of the scene onto the paper.

A pinhole camera does not use a lens. It is a black box with a small pinhole at one end. Light passing through the pinhole forms the image. The distance from the pinhole to the back of the box determines how much of the scene you can record.

RETO3D CLASSIC 35MM 3D CAMERA

RETO3D simultaneously captures the same object with three slightly different angles, thanks to their triple-lens design. A 3D effect is shown by stitching the three photos together. Comparing with other cameras, which could only produce static images by a single lens, RETO3D creates more lively images. 3D photography is more than a hobby; it is a form of art.

The three images that you record each time you take a picture are then developed in the normal way and then scanned to upload to the RETO3D App (free from your usual App store). By using the App, they are then stitched together to give the fantastic 3D effect images that are finding such popularity on social media sites like Instagram.

RETO3D goes beyond and enhances the excitement of a static photo. Especially in sports events - when the athlete jumps or the ball is kicked in the air - there is a unique opportunity to use it in capturing explosive motions. The favourite pictures that we've taken though come from social gatherings like in parties and concerts where a lot is happening and both foreground and background retain interest.

It is available in the original charcoal or brand new Retrospekt (white) version.

Features
- 35mm Film - suitable for 35mm negatives and slides
- Built-in Flash - enable you to photograph day and night
- Film Reload - not just a one-go toy but your all-time favourite
- Focus-free - quick snap creates a great form of art
- Lightweight - turn it into your daily-life accessory
- Easy-to-use - all photography lovers are welcomed
- Affordable - a great gift for yourself and your loved ones
- App Support - upload and stitch multiple images into 3D GIFs in a few seconds

ILFORD OBSCURA PINHOLE CAMERA KIT

Ilford's high-quality Pinhole camera sits halfway between our MDF camera and its own Titan range and is one of our best pinhole camera sellers.

Ilford makes the Obscura from blown polyurethane with a chemically etched stainless steel pinhole lens. Uniquely, it employs magnets to keep the shutter cover in position (either open or closed). The two outer parts of the camera slide into each other and are yet again held in place by magnets.

When you position paper or film in the chamber, the other part of the camera slides on top of it and holds it in place; resulting in a single exposure with a border. Thus, the Obscura does not employ a dark slide but you get film, paper and exposure calculator and full instructions included in the kit.

HARMAN TITAN PINHOLE CAMERA

The Harman Titan pinhole camera is made from an injection moulded ABS, built in the UK by Walker Cameras. They finish it with a very durable non-slip coating. All fittings are made from stainless steel, and the camera comes complete with built-in spirit levels, tripod mount positions and an accessory shoe.

The construction makes it ideal for student photography work as it can withstand extreme natural elements and rough handling and you can demonstrate pinhole photography with both film and paper. You will need a (Darkslide) film holder to use it and comes with chemically etched pinhole and tripod mount position and also includes an Exposure Calculator.

PINHOLE CAMERAS

Code	Brand	Product		Ex VAT	Inc VAT
11161	Fidelity	4 x 5-inch film holder, Used	For use with 4 x 5 Large Format Cameras	£33.33	£40.00
11162	Fidelity	8 x 10-inch film holder, Used	For use with 8 x10 large Format Cameras	£82.50	£99.00
11441	Firstcall	Double Etched Pinhole Lens and Exposure Kit	0.3mm, fits Coke or Beer can cameras	£10.49	£12.59
11159	Harman	Titan 4x5 Pinhole Camera	Includes camera, exposure calculator and instructions	£188.33	£225.99
11170	Harman	Toyo double film holder 5 x 4 inches	For 5 x 4 cameras, such as the Interpid 4x5 or Harman Titan 4x5 pinhole camera.	£90.83	£108.99
11169	Ilford	Obscura Pinhole Camera Kit	Pinhole camera with magnetic shutter and lock. Includes film and paper.	£83.33	£99.99
9110	Intrepid	4x5 Pinhole Lens	Create long exposures and sharp images with your 4x5 camera	£25.00	£30.00
11444	Kelli Anderson	This Book is a Camera	A foldable, pinhole camera, in the shape of a book that uses 4 x 5 film or paper	£20.83	£24.99
90549	Reto	RETO3D Classic 35mm 3D Camera	Create 3D effect pictures from a standard 35mm film	£74.17	£89.00
90569	Reto	RETO3D Retrospekt 35mm 3D Camera, White	Create 3D effect pictures from a standard 35mm film	£74.17	£89.00

Please Note: Some imported items are suffering fluctuating stock levels. For certainty check before ordering.

DIGITAL SLR CAMERAS

CANON EOS 2000D

- 24 MP CMOS sensor   • ISO 6400 (12800)
- Scene Intelligent Auto
- 9 point Autofocus   • Three fps
- 7.5 cm screen   • 1080p Full HD movies
- On camera guide
- 58mm filter thread
- WiFi connectivity
- NFC Smartphone connectivity
- LP-E10 Battery

The EOS 2000D is Canon's recommended entry-level digital SLR. It is an advanced, compact and lightweight camera and offers an ideal way for you to take your first steps into the world of DSLR photography.
It is perfect for first-time photographic students and has the usual array of scene modes from fully manual, to fully automatic, or a range of semi-automated modes in between. We especially like the camera's impressive low light capabilities.
A 9-point AF system featuring points spread right across the frame, ensures that no matter what you are shooting, you capture the entire scene in beautiful, detailed quality. With rapid continuous shooting, you can record a series of images at up to three frames per second - ideal for capturing bursts of fast-moving action.
You also get full HD movies (1080p) that offer movie recording with a quick record button on the back of the camera; no detour via the menu settings required. It includes Wi-Fi and NFC connectivity and sharing in the classroom or at home.

CANON EOS 850D

- 24.2 Megapixel Hybrid CMOS AF sensor
- Creative Full-HD movies (60p) and with continuous focus (Dual Pixel CMOS AF)
- Digic 8 Processor
- Vari-angle Clear View LCD II Touch screenScene Intelligent Auto
- Wi-Fi, Bluetooth and NFC connectivity
- ISO 100-to ISO 25600
- Six fps shooting 45-point AF system
- Range of Creative Filters
- LP-E17 Battery

The EOS 850D is the step-up camera from the basic 2000 model, particularly for those who want to engage in studio work. It can record exceptional levels of detail even when shooting in low light conditions, thanks to an impressive ISO range of 100-12800.
The vari-angle touchscreen makes it easy to control the camera from any angle or shooting position, particularly for low to the ground Macro shots or overhead crowd or stage shot. A continuous shooting rate of 7 frames per second (fps) ensures that you can capture sport or action shot sequences with a high probability that you have caught just the right moment. In 4k movie mode, a lot of DSLRs do not refocus during filming. It is mainly due to the light path between the lens and phase-detection AF being interrupted by locking up the mirror for live view - but the Dual Pixel CMOS AF of the EOS 850D overcomes this problem by offering contrast-detection AF for these situations.

NIKON D3200

Nikon's entry-level basic D-SLR from a few years ago makes it easy to shoot high-quality images and then share them instantly. We're now listing this model for education departments or students who want an ideal step-up camera from snapshots to photography but don't want to pay the ever-increasing prices for a new camera.

new

Although secondhand, each camera is checked and serviced before sale and comes with a charger, battery and strap. For peace of mind, it also comes with a six-month warranty.
The D3200 achieves stunning shots in low light and lets you create portraits with smooth background blur.
Scene Recognition System enables beautiful pictures with sharp focus and appropriate brightness and colour by recognising the subject and scene conditions before capture. It offers a broad ISO sensitivity with a range of standard-setting from ISO 100 to 6400. You can set it to ISO 12800 equivalent.
You can shoot with High-speed continuous shooting at approximately four fps to capture decisive moments reliably. The large and easy-to-view LCD monitor is high-definition with approximately 921k-dot, 7.5-cm/3-inch wide-viewing-angle LCD monitor. It takes all Nikon-mount AF-S and AI lenses.

- 24.2 (total 24.7) megapixel DX-format CMOS sensor with 12 bit resolution, made by Nikon[8]
- Image area Pixels is the DX Format which can be adjusted to (Large) 6,016 x 4,000 (Medium) 4,512 x 3,000 (Small) 3,008 x 2,000
- 1080p Full HD movie mode
- Nikon Expeed 3 image/video processor
- Active D-LightingM   • Live view
- Automatic chromatic aberration correction
- Image Sensor Cleaning function by vibrations and Airflow Control System
- Storage media is either SD, SDHC or SDXC, UHS-I bus mode, and Eye-Fi Wireless LAN
- GPS interface for direct geotagging supported by Nikon GP-1
- Filter thread: 55mm

CANON EOS M50 MARK II

The Canon EOS M50 Mark II is a new mirrorless camera from Canon, designed for photographers and videographers who want a high-quality image and video capabilities in a compact and lightweight body. This camera is a refreshed version of the popular Canon EOS M50. It offers several

new

new and improved features, including a high-resolution electronic viewfinder, an enhanced autofocus system, and advanced video capabilities. With its 24.1-megapixel APS-C CMOS sensor and the powerful DIGIC 8 image processor, the M50 Mark II delivers sharp and detailed images, even in low light conditions.
With support for YouTube live streaming, vertical movies and microphone input, you can tell your story passionately, whether you're shooting photos or movies, vlogging or streaming.
This camera uses the Canon M series of lenses. If you already own a Canon Ef or EF-S lens, you'll need the Canon M Adaptor to connect them.

- 24.1-megapixel APS-C sensor - Great images and video and shallow depth of field
- 60p Full HD Movie with Dual Pixel AF - Superb video with continuous AF
- 4K and Vertical Movie modes - Enhance your videos and easily create content for social media
- Automatic video transcoding - Get ready-to-go movies from your camera to your phone
- Live YouTube streaming* - Stream live to your online audience from any Wi-Fi network
- Ten fps shooting - Capture fast-moving action and fleeting moments
- Use as a webcam - With EOS Webcam Utility for fantastic image quality

> Please note: Supplies of all SLR cameras remain slow as the manuafacturers catch up from recent constraints. Please allow a few extra weeks for your order to arrive once placed.

DIGITAL SLR CAMERAS

Code	Brand	Product		Ex VAT	Inc VAT
62032	Canon	EOS 2000D Digital SLR Camera with 18-55mm IS II lens	24 MP, ISO 6400, 3 fps, Full HD movies, WiFi & NFC	£415.83	£499.00
62035	Canon	EOS 250D Digital SLR Camera with 18-55mm IS STM lens	24 MP, Full HD movies, ultra compact & lightweight	£540.83	£649.00
32660	Canon	EOS M50 Mark II Digital Camera with EF-M 15-45mm IS Lens	Compact System Camera with interchangeable lenses, 24 MP, articulated touch screen, 4k video	£582.50	£699.00
32661	Canon	EF-EOS M Mount Adapter	Adapter to attach Canon EF lenses to an EOS M camera body	£95.83	£115.00
62034	Canon	EOS 850D Digital SLR Camera with 18-55mm IS STM lens	24 MP, 4K movies, low light shooting	£832.50	£999.00
62027	Canon	EOS 90D Digital SLR Camera c/w 18-135 IS USM lens	33 MP, Wi-Fi, 11 fps, ISO 25600, 3840 x 2160 video resolution	£1,290.83	£1,549.00
27524	Nikon	D3200 Digital SLR Camera incl AF-S DX 18-55mm VR lens	Second-hand, 6 month warranty, 24 MP, ISO 12800, 4 fps, Full HD movies	£280.00	£280.00

KODAK PIXPRO AZ422

Kodak's Pixpro AZ422 bridge camera offers an incredible focal range, a 35mm equivalent from 24mm wide-angle to 1006mm telephoto. Maximum apertures of f/2.6 - 6.0, an ISO range up to 3200 and optical image stabilisation ensure that images are vibrant and sharp. We make this our suggestion for a low-cost bridge camera.

The AZ422 has many features that are suitable for beginners in photography - but also has many advanced functions, such as its 31 scene mode menu - but also a full manual mode.

No photographic opportunity is beyond this bridge camera. You can achieve landscape photography (24mm wide-angle), wildlife photography (1000mm telephoto), sports (30 fps) Macro work (1.cm super macro) or art (HDR,). The Pixpro has it all covered all at a price that is equally outstanding too.

- 20 Megapixel 1/2.3-inch CMOS sensor
- 42x zoom (35mm equivalent of 24 - 1008mm)
- 4x digital zoom   • Optical Image Stabilisation
- Continuous shooting
- ISO Up to 3200   • 31 Scene modes
- Program (P), Aperture (A), Shutter (S) and Manual (M) modes
- 4 Photo touch-up modes
- HDR mode   • Motion Panorama
- Macro at 1.6 cm distance
- 3 inch LCD   • HD movies at 30fps
- LB-60 Lithium Battery

KODAK PIXPRO CAMERA

Code	Product		Ex VAT	Inc VAT
32699	Pixpro FZ102 Bridge Camera	16 MP, 10x zoom, Image Stabilisation, 10 fps, ISO 3200	£91.66	£109.99
32700	Pixpro AZ422 Bridge Camera	20 MP, 42x zoom, Image Stabilisation, 10 fps, ISO 3200	£158.33	£189.99

LENSES

SIGMA DC 105MM EX OS HSM MACRO

- f/2.8
- Min. focus 8.3cm
- Weight 449gm
- Filter size 62mm
- Award-winning lens
- Fits: Canon (28300), Nikon (2830

CANON EF-S 55-250MM IS STM 4-5.6

- f/4-5.6
- Min. focus 86cm
- Multi-coated, 15 elements in 12 groups
- Filter size 58mm
- Image Stabilized
- Fits: All Canon Digital SLRs

CANON EF-S 18-55 MM F/4-5.6 IS STM

- f/4-5.6
- Min. focus 250cm
- Multi-coated, 12 elements in 10 groups
- Filter size 58mm
- Image Stabilized
- This is the replacement lens that you get with your original SLR camera if it gets damaged. We also list the replacement Nikon version

NIKON 10-20MM F4.5-5.6 G AF-P DX VR NIKKOR

- Maximum aperture range:f/4.5
- Minimum aperture range: f/22 to 29
- Min. focus 22cm
- Low-cost ultra-wide-angle zoom
- Multi-coated, 14 elements in 11 groups
- Filter size 72m
- Image Stabilized
- Fits: All Nikon DX (AFS-C) digital SLRs
- F Mount Lens / DX Format

NIKON 105MM AF-S NIKKOR VR 2.8 IF-ED MACRO

- Maximum aperture range:f/2.8
- Minimum aperture range: f/22 to 32
- Min. focus 31.4cm
- Extra-low dispersion (ED) glass
- Multi-coated, 14 elements in 12 groups
- Filter size 62m
- Image Stabilized 1:1 Macro lens
- Fits: All Nikon digital SLRs
- F Mount Lens / FX/DX Format
*157.5mm on DX cameras

NIKON 70-300MM AF-P DX NIKKOR 70-300MM F/4.5-6.3G ED VR

- Maximum aperture range:f/4.5-6.3
- Minimum aperture range: f/22 to 32
- Min. focus 1.1m
- Extra-low dispersion (ED) glass
- Multi-coated, 14 elements in 10 groups
- Filter size 58m
- Image Stabilized
- Fits: All Nikon digital SLRs
- F Mount Lens / FX/DX Format
*157.5mm on DX cameras

OUR CHEAPEST DIGITAL COMPACT CAMERA

- 10x Opticall zoom
- 25mm wide angle lens
- 16 megapixel sensor
- 2.7 inch LCD (230k pixels)
- HD 720p movies
- Digital Image Stabilization
- Lithium Battery

The FZ102 Friendly Zoom camera from the Kodak Pixpro Digital Camera Collection is a compact, easy-to-use camera that goes beyond the basics. It offers a powerful zoom lens for its tiny stature, various shooting modes, white balance control, and multiple language settings designed to streamline your capabilities behind the lens. It's an ideal beginner's digital camera for photographers who want to go beyond a mobile phone.

CAMERA LENSES

Code	Brand	Product		Ex VAT	Inc VAT
28498	Canon	EF 75-300mm f/4-5.6 III	Great low-cost addition for a Canon Digial SLR, non-stabilized	£195.83	£235.00
28527	Canon	EF-S 55-250mm IS STM 4-5.6	For compact sensor EOS models	£257.50	£309.00
28548	Canon	50mm f/1.8 STM lens	A portable and inexpensive standard lens	£107.50	£129.00
32671	Canon	EF-M 22mm f/2 STM Lens	Pancake lens for EOS-M Compact System Camera	£190.83	£229.00
32672	Canon	EF-M 55-200MM F4.5-6.3 IS STM lens	Telephoto zoom lens with image stabilisation	£245.83	£295.00
67218	Canon	EF-S 18-55 mm f/4-5.6 IS STM Lens	For compact sensor EOS models; standard zoom lens with IS	£179.17	£215.00
28520	Nikon	10-20mm f4.5-5.6 G AF-P DX VR Nikkor	For digital use only	£257.50	£309.00
28535	Nikon	70-300mm AF-P DX NIKKOR 70-300mm f/4.5-6.3G ED VR	VR technology facilitates shooting 3 stops slower	£315.83	£379.00
28543	Nikon	18-55mm f/3.5-5.6G AF-P VR DX NIKKOR lens	Retractable lens mechanism	£190.83	£229.00
28117	Samyang	8mm f/3.5 Aspherical IF MC Fisheye CS II Canon	180 degree images with an APS Sensor SLR	£249.17	£299.00
28118	Samyang	8mm f/3.5 Aspherical IF MC Fisheye CS II Nikon AE	180 degree images with an APS Sensor SLR	£249.17	£299.00
28119	Samyang	14mm f/2.8 ED MK II Lens Canon	Super Wide Angle for APS-C, Full Frame and Film SLRs	£332.50	£399.00
28120	Samyang	14mm f/2.8 MK II Lens Nikon AE	Super Wide Angle for APS-C, Full Frame and Film SLRs	£332.50	£399.00
28300	Sigma	105mm F2.8 EX DG OS HSM Macro, Canon	1:1 Macro, minimum Aperture F/22, low dispersion glass	£299.17	£359.00
28301	Sigma	105mm F2.8 EX DG OS HSM Macro, Nikon	1:1 Macro, minimum Aperture F/22, low dispersion glass	£299.17	£359.00

Please Note: Some imported items are suffering fluctuating stock levels. For certainty check before ordering.

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Camera Accessories

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LENS ACCESSORIES

KOOD LENS CAPS

Kood's cheapest lens protector is made in a range of sizes 49mm-77mm each with retractable catches built into the surface of the cap which does not extend beyond the edge of the lens.

FIRSTCALL CAP KEEPER

Never lose another lens cap with this simple accessory that attaches to the lens by a rubber loop. The lens cap hangs loose when the lens is in use and it's suitable for all lens sizes.

FIRSTCALL LENS HOODS

Our rubber lens hoods help eliminate flare from external reflection and are collapsible for stow-away on camera.

FIRSTCALL FILTER WRENCH

An odd lens accessory, but an invaluable one to have in your gadget bag as our filter wrench offers an easy and safe removal of stuck filters (46-58mm). It grips the filter around the edge to allow easy unscrewing.

ADOX FILTERS

Adox SNAP-ON gelatine filters are a new and unique idea in budget colour filters. Each one increases your creativity, at a fraction of the cost you'd pay for either a mounted(ringed) filter or Cokin square alternative. Each one is made with a patented shape that uses their little teeth on the side to bite onto the inside of the camera lens' standard filter thread. If need be you can press or screw them in a little for a little more compact fit. To remove, you simply pull the little tab onto which the filter type and exposure factor is printed. Each Adox gelatine filter is made using Cibachrome(R) dyes which are light stable and will not fade out. They are water repellent, so can be used if it's raining but also you just wipe them with wet antistatic cloth to clean them.

new

ADOX M67 IR 2X
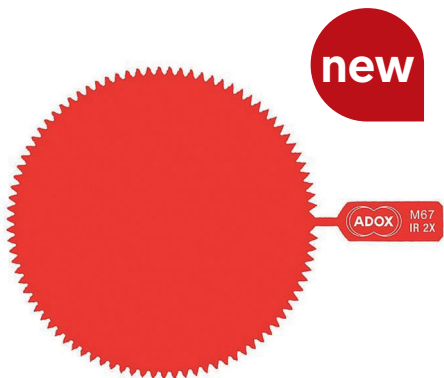
Three versions are available:
Infrared
85B Tungsten
Yellow (8)

ADOX FILTERS

Code	Brand	Product	Ex VAT	Inc VAT
10240	Adox	Snap On Filter Yellow, 49mm	£6.66	£7.99
10241	Adox	Snap On Filter Yellow, 52mm	£6.66	£7.99
10242	Adox	Snap On Filter Yellow, 55mm	£6.66	£7.99
10243	Adox	Snap On Filter Yellow, 58mm	£6.66	£7.99
10250	Adox	Snap On Filter 85B, 49mm	£6.66	£7.99
10251	Adox	Snap On Filter 85B, 52mm	£6.66	£7.99
10252	Adox	Snap On Filter 85B, 55mm	£6.66	£7.99
10253	Adox	Snap On Filter 85B, 58mm	£6.66	£7.99
10260	Adox	Snap On Filter Infrared, 49mm	£6.66	£7.99
10261	Adox	Snap On Filter Infrared, 52mm	£6.66	£7.99
10262	Adox	Snap On Filter Infrared, 55mm	£6.66	£7.99
10263	Adox	Snap On Filter Infrared, 58mm	£6.66	£7.99
10266	Adox	Snap On Filter Infrared, 72mm	£6.66	£7.99
10268	Adox	Snap On Filter Infrared, 82mm	£6.66	£7.99

EXTENSION TUBES

Getting close to your subjects can be a costly business; a 1:1 macro lens costs approximately £500. Extension tubes are a much more cost-effective way to take macro images.

Extension tubes are hollow metal rings that fit between your camera body and a lens. Available as a set of three, with four possibilities of magnification, they enable you to convert almost any lens into a macro lens at a fraction of the cost while maintaining the optical image quality of the lens you have attached. All you need to ensure is that you have the correct fit for your camera. Remember always to use manual mode (metering & focus) and ALWAYS mount your camera on a tripod when in use.

N.B. Only Kenko Extension Tubes allow for metering in your camera – others need manual metering.

Normal image using a camera lens

© Christina D.   © Christina D.

Get so much closer with an Extension Tube Set

© Christina   © Christina D.

LENS ACCESSORIES

Code	Brand	Product		Ex VAT	Inc VAT
26403	Kood	Snap Lens Cap 49mm	With built-in retractable catches	£3.49	£4.19
26405	Kood	Snap Lens Cap 52mm	With built-in retractable catches	£3.49	£4.19
26409	Kood	Snap Lens Cap 55mm	With built-in retractable catches	£3.49	£4.19
26412	Kood	Snap Lens Cap 58mm	With built-in retractable catches	£3.49	£4.19
26420	Kood	Snap Lens Cap 62mm	With built-in retractable catches	£3.49	£4.19
26421	Kood	Snap Lens Cap 67mm	With built-in retractable catches	£3.49	£4.19
26425	Kood	Snap Lens Cap 72mm	With built-in retractable catches	£3.49	£4.19
26426	Kood	Snap Lens Cap 77mm	With built-in retractable catches	£3.49	£4.19
26511	Firstcall	Cap Keeper	Attaches to lens barrel	£3.49	£4.19
26361	Firstcall	Rubber Lens Hood 49mm	Eliminates flare	£4.41	£5.29
26368	Firstcall	Rubber Lens Hood 52mm	Eliminates flare	£4.41	£5.29
26371	Firstcall	Rubber Lens Hood 55mm	Eliminates flare	£4.41	£5.29
26374	Firstcall	Rubber Lens Hood 58mm	Eliminates flare	£4.41	£5.29
26377	Firstcall	Rubber Lens Hood 67mm	Eliminates flare	£6.24	£7.49
25133	Firstcall	Filter Wrench PK 2	Removes stuck filters (46-60mm) from lenses	£4.41	£5.29
26874	Firstcall	Step Up Ring 52-67mm	Adjust lens filter sizes	£7.08	£8.49
26884	Firstcall	Step Up Ring 49-52mm	Adjust lens filter sizes	£7.08	£8.49
26886	Firstcall	Step Up Ring 49-55mm	Adjust lens filter sizes	£7.08	£8.49
26887	Firstcall	Step Up Ring 52-55mm	Adjust lens filter sizes	£7.08	£8.49
26888	Firstcall	Step Up Ring 52-58mm	Adjust lens filter sizes	£7.08	£8.49
26889	Firstcall	Step Up Ring 52-62mm	Adjust lens filter sizes	£7.08	£8.49
26890	Firstcall	Step Up Ring 55-58mm	Adjust lens filter sizes	£7.08	£8.49
26891	Firstcall	Step Up Ring 55-62mm	Adjust lens filter sizes	£7.08	£8.49
26895	Firstcall	Step Up Ring 58-62mm	Adjust lens filter sizes	£7.08	£8.49
26896	Firstcall	Step Up Ring 58-67mm	Adjust lens filter sizes	£7.08	£8.49
26897	Firstcall	Step Up Ring 58-77mm	Adjust lens filter sizes	£7.08	£8.49
26900	Firstcall	Step Up Ring 62-67mm	Adjust lens filter sizes	£7.08	£8.49
26903	Firstcall	Step Up Ring 67-72mm	Adjust lens filter sizes	£7.08	£8.49
26904	Firstcall	Step Up Ring 72-77mm	Adjust lens filter sizes	£7.08	£8.49
26577	Kood	Extension Tube Set DG Canon Set of 3	28mm, 14mm & 7mm for digital or film SLRs	£14.16	£16.99
26598	Kood	Extension Tube Set DG Nikon Set of 3	28mm, 14mm & 7mm for digital or film SLRs	£14.16	£16.99
26580	Firstcall	Extension Tube Set DG Pentax Set of 3	31mm, 21mm & 13mm for digital or film SLRs	£16.66	£19.99
26579	Firstcall	Extension Tube Set DG Sony Set of 3	31mm, 21mm & 13mm for digital or film SLRs	£16.66	£19.99

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TRIPODS AND MONOPODS

A tripod or monopod ensures that the camera (during picture taking) will not shake when light conditions prevent hand-held shots. Any exposure longer than 1/50th of a second requires some form of support and long focus lenses, working with smaller apertures may need a tripod for short exposures of just 1/125th of a second.

Always select a sturdy and relatively heavy model as you can, which is often countered by how far you intend to carry it during your camera shots. A cable release (electric or manual) is often required to make the minimal shake of the camera on the tripod. Choose ball and socket models for precise movement or pan and tilt for exact 3-way location.

HAMA TRIPODS
HAMA STAR TRIPODS

Hama produces some of the best value-for-money tripods on the market. Their Star Tripod range, an excellent example of their product sourcing, has been a major seller for many years now due to being consistently available and comprises four models, each having braced legs for support (with rubber feet), carry case and a 2-year warranty, all of which are important for educational customers.

Hama Star 63

Hama Star 75 Tripod
Weighing 620 g this 3-way head, 3-section (19.8mm leg) tripod includes quick-release platform and spirit level and folds down to only 16.5 inches. Fully extended height is 48 inches.

Hama Star 61 Tripod
This tripod has the same specification as the Star 75 but has a crank for elevation and closes down to 23 inches. It extends to 60 inches yet still only weighs 1.22 kg.

Hama Star 62 Tripod
This tripod is our choice for schools and colleges. It has a wider 0.90 inch leg, closes down to 25 inches yet extends to 62 inches. It weighs 1.5 kg.

Hama Star 63 Tripod
This is the model for those who want all the features of the 62 model but with a wider (1.1 inch) leg that gives greater stability. Maximum height is raised to 65 inches but, so is the weight of only 1.74 kgs.

HAMA TRAVELLER 117 BALL TRIPOD

The Traveller 117 Ball Tripod is the perfect choice for on-the-go photographers. It is light, compact, distinguished by all-weather reliability and allows you to unburden yourself from the unnecessary weight. Detachable centre column, low-angle photography and a protective bag all add up to an excellent value-for-money tripod package with a 2-year warranty. The simple, 3D ball head allows perfect alignment for shots in portrait and landscape format.

• Its compact size makes it ideal for travelling, holidays, hikes and outdoor trips
• Camera tripod for non-jerky images and a steady hold on uneven surfaces, suitable for photo and video cameras
• Lightweight aluminium design
• With the functional quick-action leg locks you can easily and quickly fix the tripod legs at the required height or position
• Rubber feet for a firm and steady grip
• Non-slip foam covers the legs which make the tripod suitable for all kinds of weather
• With hook for weighing the tripod down in high winds and on rough terrain

HAMA TRAVELLER TAR DUO TRIPOD

This excellent value tripod offers features and benefits often only seen on tripods that are twice the price.

It comes with a ball head with a panorama function that allows perfect alignment for shots in portrait and landscape format. On the head is a quick-release plate for quickly changing the camera.

When in the inverted position you can shoot macro photographs near the ground, and in combination with a leg segment, you can use the removable central column as a fully functioning monopod.

KENRO BUDGET VIDEO TRIPOD

For a budget video tripod we recommend the Kenro VT102 model as being excellent value-for-money. Manufactured to exacting standards and made from high quality Magnesium Aluminium Alloy, this tripod is light, stable and durable with an impressive load capacity and is supplied with smooth, fluid action video pan head. You can also buy the tripod in monopod form (same head) for 15% less and even the head by itself (if you already have a good tripod base).

• Number of Sections 3 Sections
• Max Leg Diameter 28mm • Min Leg Diameter 22mm
• Max Working Height 1590mm • Min Working Height 245mm
• Folded Length 790mm
• Weight 2.8 kg • Maximum Weight Load 5 Kg

HAMA & KENRO TRIPODS

Code		Product		Ex VAT	Inc VAT
55213	Hama	Mini Ball Tripod 4551	Ultra portable with ball tilt head, weighs only 124g	£6.66	**£7.99**
26500	Hama	Tripod, FlexPro	for Smartphone, GoPro and photo cameras, 27cm	£13.33	**£15.99**
26499	Hama	Tripod, Star 75	Basic but fully specified, 49in max.	£18.74	**£22.49**
26498	Hama	Tripod, Star 61	Same spec. as Star 75, braced legs, 60in max.	£19.99	**£23.99**
26497	Hama	Tripod, Star 62	Same spec. as Star 61, thicker legs, 62in max.	£23.33	**£27.99**
26496	Hama	Tripod, Star 63	Brace, crank, 3-way head, wide leg, 65in max.	£29.16	**£34.99**
26505	Hama	4154 Quick Release Plate	For Star, 61, 62 or 63 Tripod	£9.16	**£10.99**
26501	Hama	Tripod, Traveller 117 Ball	Four section, extendable low-level travel tripod, only 820g	£41.66	**£49.99**
26508	Hama	Tripod, TAR Duo 165	Tripod and monopod in one	£58.33	**£69.99**
26502	Kenro	Tripod, VT102 Video	Superb video tripod, 3 section, 63in max	£116.66	**£139.99**
26293	Hama	Flashgun Adaptor 4659	Attaches to any tripod screw and makes a lightstand	£8.08	**£9.69**

Please Note: Some imported items are suffering fluctuating stock levels. For certainty check before ordering.

SLIK TRIPODS - EXTRAORDINARY VALUE & CHOICE

SLIK GX640 3-WAY

Three GX640 models are listed in this range – all with the same legs, and then you choose your desired head – ball and socket, pan and tilt or fluid video. Each is a lightweight aluminium tripod with 4-section legs and quick lever locks, slide elevator, quick release camera mounting platform, rubber feet, quick release platform and free case.

- Leg width: 21cm
- Max Height 156cm
- Minimum Height 47.5cm
- Closed Length 47cm
- Number of sections 4
- Central crank handle
- Weight 1.22/kg
- Maximum Load 2.0kg

SLIK GX640 BALL & SOCKET

This ball and socket version of the GX640 offers more precise control in picture taking over the easier-to-use pan and tilt version as the head can be set to any angle preferred.

- Leg width: 21cm
- Max Height 155cm
- Minimum Height 47cm
- Closed Length 46.5cm
- Number of sections 4
- Central crank handle
- Built-in spirit level
- Weight 1.09/kg
- Maximum Load 2.0kg

SLIK GX640 VIDEO

A video tripod is needed for those fluid movements when filming moving images but with so many still SLR cameras now capable of 4k video it's often preferable to opt for a 2-in-1 to cover both available in one tripod.

- Leg width: 21cm
- Max Height 158cm
- Minimum Height 47.7cm
- Closed Length 47cm
- Number of sections 4
- Central crank handle
- Built-in spirit level
- Weight 1.29/kg
- Maximum Load 2.0kg

BENBO TRIPOD, TREKKER MK 3, KIT

The award-winning Benbo Trekker lets you swivel the joint at the top of the centre column through 180 degrees offering great flexibility when positioning your camera. This feature makes it suited when subjects need to be photographed from above or at a low angle.

Its stability is directly related to weight. The provision of a hook at the lower end of the centre column allows the temporary addition of extra weight (e.g. a camera bag) to provide further stability when long lenses are used on the camera.

The Benbo Trekker Mk 3 kit consists of the BEN107 Trekker Mk3 tripod, a BEN299 Compact Ball and Socket Head and a BEN503 Carry Bag.

- Leg sections   2
- Max height   160cm
- Max Load   8kg
- Min height   76cm
- Weight   2kg

VANGUARD MONOPODS

If you are looking for a monopod at a bargain price, then look no further than the Vanuguard tripods we are clearing at 50% off their normal prices.

The two models are both 4 section with the AM264 having a maximum height of 160 cm, a minimum of 54 cm and weighs 560g. The smaller and cheaper AM204 has a maximum height of 140 cm, a minimum of 47 cm and weighs 360g.

Last chance to buy

Code	Brand	Product		Ex VAT	IncVAT
		TRIPODS			
28449	Benbo	Tripod, Mini Trekker, Mk3	Table top or low level, extends to 28 inches	£65.83	**£79.00**
28450	Benbo	Tripod, Trekker Mk 3, Kit	Complete with Compact b/s head and bag	£140.83	**£169.00**
28453	Benbo	Monopod, Trekker	Two section, tilting mount, extends to 63 inches	£30.83	**£37.00**
25880	Manfrotto	Camera Stud for Super Clamp - 037	Attach your camera or flash to the Manfrotto super clamp	£10.41	**£12.49**
28475	Manfrotto	Quick Release Plate - 200PL	For Manfrotto products equipped with RC2/Q2 attachment	£17.67	**£21.20**
25879	Manfrotto	Super Clamp - 035	Attach your camera or flash to most tubes and surfaces	£28.99	**£34.79**
10013	Manfrotto	Monopod Tilt Head - 234 with Quick Release Plate	Simple tilt head for all monopods includes QR plate	£30.00	**£36.00**
25881	Manfrotto	2 Single Arm (2 section) c/w camera bracket - 196B	For wheelchair bound photographers; fits into super clamp	£34.13	**£40.95**
10037	Manfrotto	290 Tripod - XTRA . 3 section, Aluminium	Max height: 160 cm, Max load: 5 kg, Weight 1.8 kg	£90.83	**£109.00**
25884	Manfrotto	Ball Tripod Head - MHXPRO-BHQ2	Triple lock magnesium precision b&s head	£109.17	**£131.00**
28464	Manfrotto	055 Tripod with XPRO Ball Head - MK055XPRO3-BHQ2	Aluminium 3-section with horizontal column	£242.50	**£291.00**
28662	Slik	PRO AL-324DX Tripod c/w SH-705E 3-way head	4 section tripod, with split column, great for macro work	£90.83	**£109.00**
28663	Slik	GX Mini Tripod with 3-way head	Table-top tripod, complete with a 3-way head 730g.	£28.33	**£34.00**
28664	Slik	GX 640 Tripod with 3-way head	A a full-size photo and video tripod, complete with a 3-way head 1.22kg.	£45.00	**£54.00**
28665	Slik	GX 640 Tripod with ball & socket head	A full-size photo and video tripod, complete with ball head 1.09kg.	£51.67	**£62.00**
28666	Slik	GX 640 Tripod with video head	A full-size video tripod, complete with 2-way video head 1.29kg.	£55.83	**£67.00**
28667	Slik	504QF II Video Tripod with 2-Way fluid Video Head	A full-size video tripod, complete with 2-way video head 2.57kg.	£115.83	**£139.00**
10025	Vanguard	Monopod VEO AM-204 4-section with strap	Maximum height 140 cm, minimum 47 cm, weighs 360g	£12.50	**£15.00**
10027	Vanguard	Monopod VEO AM-264 4-section with strap	Maximum height 160 cm, minimum 54 cm, weighs 560g	£16.67	**£20.00**

CAMERA POWER

TRADITIONAL FILM CAMERA BATTERIES

Consisting of Silver Oxide meter ones and alkaline batteries used to power the film motor drives or flash units. There's also lithium camera and meter batteries which are used in older film cameras where more power was needed, e.g. CR2 for those with built-in flash.

RECHARGEABLE BATTERIES

AA rechargeable batteries are available in different mAh, meaning the higher that figure, the quicker they'll charge. Also, by using a charger with a display, it is possible to see how much power each AA battery will hold. We also sell AAA rechargeables.

CANON & NIKON CHARGERS FOR UNDER £13

This year we list two new product-specifc, inexpensive chargers for your digital SLR. Available in Nikon or Canon types, these light and compact USB chargers allows you to charge the battery of your camera in a car, from a power pack or notebook. An LED function indicator gives information about the charge stated.

For Canon LP-E10 battery for Canon 2000D and 4000D or Nikon ENEL14a battery used in Nikon D3500 & D5600 cameras.

LITHIUM-ION DSLR RECHARGEABLE BATTERIES

You can save substantial amounts of money if you buy a compatible battery for your digital SLR camera when compared to the original camera brand version. Hama Lithium-Ion batteries are renowned for their quality, and these compatible batteries can save you up to 50% in these cases. Some brands like Nikon do not release their patents quickly so regrettably EL14, and EL15 batteries still have to be a Nikon brand – which we also stock.

ANSMANN LITHIUM-ION DSLR CHARGER

The Ansmann Powerline Vario charger is a fast charger that will take most Li-Ion and Li-Po batteries (3.6V/3.7V or 7.2V/7.4V) used in digital cameras, camcorders, mobile phones, PDAs and MP3 players. The status of the cells is displayed on the LCD and includes a USB traveller power supply with wide range input (100–240V AC) and interchangeable mains plugs for universal use. This means that whatever your make and size of battery – the Powerline will handle it.

CAMERA POWER				
Code	Brand	Product	Ex VAT	Inc VAT
26856	Ansmann	Ni-MH 2850 mAh Rechargeable AA size, Pack of 4	£11.24	**£13.49**
26519	Firstcall	Battery 2CR5 Lithium, 6V	£4.41	**£5.29**
26520	Firstcall	Battery CRP2P Lithium, 6V	£4.99	**£5.99**
26523	Firstcall	Battery CR2032 Lithium, 3V	£1.58	**£1.89**
26524	Firstcall	Battery CR123A Lithium, 3V	£3.49	**£4.19**
26542	Firstcall	Battery CR2 Lithium, 3V	£3.49	**£4.19**
26544	Firstcall	Battery, Fuse & Bulb Tester	£5.49	**£6.59**
26567	Firstcall	Battery MN1500 AA size, Pack of 4	£1.74	**£2.09**
26568	Firstcall	Battery MN2400 AAA size, Pack of 4	£1.74	**£2.09**
26569	Firstcall	Battery MN1500 Lithium AA size, Pack of 2	£5.24	**£6.29**
26570	Firstcall	Battery 10L14	£1.24	**£1.49**
26571	Firstcall	Battery PX625 1.5v	£0.99	**£1.19**
26572	Firstcall	Battery PX28, 6V, Pack of 2	£6.99	**£8.39**
26574	Firstcall	Battery 10L124	£1.74	**£2.09**
38400	Hama	Ni-MH 2400 mAh Rechargeable AA, Pack of 4	£12.49	**£14.99**
51991	Hama	Li-Ion Camera Battery LP-E8	£14.99	**£17.99**
51996	Hama	Li-Ion Camera Battery LP-E10	£14.91	**£17.89**
51998	Hama	Li-Ion Camera Battery EN-EL15	£39.16	**£46.99**
52001	Hama	Li-Ion Camera Battery EN-EL14A	£27.49	**£32.99**
52043	Nikon	Li-Ion Camera Battery EN-EL14a	£45.00	**£54.00**
51999	Hama	Li-Ion Canon Camera Battery Charger for LP-E10	£10.83	**£12.99**
52000	Hama	Li-Ion Nikon Camera Battery Charger for EN-EL14A	£10.83	**£12.99**
26861	Ansmann	Powerline Vario Battery Charger	£22.49	**£26.99**
26878	Ansmann	Photocam III charger, incl 4x Max E 2100 mAh batteries	£7.49	**£8.99**

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CAMERA MEMORY

Storage for a traditional film camera is simple, and we have many sleeves, albums and boxes to help organise and archive your favourite pictures. If you have got a digital camera, that does not use film; you need to consider your options more carefully. Of course, memory cards are the digital equivalent of film and are capable of storing a great deal more images than a 36 roll of film, but unlike film, they are not archivally safe. Card formats change, devices to read the images change and archiving has to be a regular rolling event through the use of portable storage and backup devices.

SD MEMORY CARDS & COMPACT FLASH

Hama DSLR Memory Cards are our best seller – and for a good reason: They are reliable, fast and very reasonably priced.
We recommend their UHS cards offer that offer write speeds which are double standard Class 10 versions, thereby halving your wait time in camera and camera to the computer. In particular, the 16GB version is now only £6.99 inc VAT per card. Compact Flash cards are used in more expensive professional DSLR cameras.

MEMORY CARDS				
Code	Brand	Product	Ex VAT	Inc VAT
41237	Hama	16GB SDHC Memory Card, UHS-1, class 10 (300x)	£5.83	**£6.99**
41240	Hama	32GB SDHC Memory Card, UHS-1, class 10 (300x)	£6.66	**£7.99**
41241	Hama	64GB SDXC Memory Card, UHS-1, class 10 (300x)	£9.99	**£11.99**
41242	Hama	128GB SDXC Memory Card, UHS-1, class 10 (300x)	£17.08	**£20.49**
41243	Hama	256GB SDXC Memory Card, UHS-1, class 10 (300x)	£39.16	**£46.99**
41247	Hama	microSDHC 16GB Class 10 UHS-I + Adapter	£4.16	**£4.99**
41248	Hama	microSDHC 32GB Class 10 UHS-1 + Adapter / Mobile	£5.83	**£6.99**
41251	Hama	microSDXC 64GB Class 10 UHS-1 + Adapter / Mobile	£10.83	**£12.99**
41246	SanDisk	32GB SDHC Memory Card, Ultra, UHS-1	£7.74	**£9.29**
41250	SanDisk	64GB SDHC Memory Card, Ultra, UHS-1	£12.49	**£14.99**
54097	SanDisk	32GB CF Extreme CompactFlash Card (800x)	£39.99	**£47.99**
9071	Kaiser	Memory Card Case (6496), for SD or CF	£8.33	**£9.99**

CARD READERS

SANDISK USB 3.0 UHS-1 SD CARD READER

Buy this reader fast reading and writing UHS-I capable SD cards as you get transfer speeds of up to 170 MB/s yet it's still downward compatible with all your older USB 2.0 connections too.

FUJIFILM USB MULTI-CARD READER

Transfer your files between your memory card and computer with the Fujifilm USB Multi Card Reader. It's easy to use and install and so inexpensive that every student can have one.

HAMA 35IN1 USB 2.0 MULTI-CARD READER

Fast 35in1 card reader for quick reading and writing of all standard memory cards. It supports UDMA mode for CF, xD, SmartMedia, MS and many long-forgotten cards.

CARD READERS					
Code	Brand	Product		Ex VAT	Inc VAT
55029	Fujifilm	USB Multi Card Reader SDHC / SDXC / MicroSD / CF	Transfer SD cards to your computer the easy way	£8.33	**£9.99**
55030	Hama	USB 3.0 Multi Card Reader SDHC / SDXC / MicroSD / CF	Transfer SD cards to your computer the easy way	£8.33	**£9.99**
55035	Hama	35in1 USB 2.0 Multicard Reader, blue	Reads all common memory cards	£9.16	**£10.99**
55038	Hama	USB 3.1 Type-C Hub 1:3 Aluminium, 2 x USB-A, USB-C, Card Reade	For connecting up to 3 USB devices and accessing SD / microSD memory card data from a device with USB-C connection	£23.33	**£27.99**
55039	SanDisk	USB 3.0 Card Reader, SD/microSD UHS-1, Black	Allows fast data transfer between the card and the PC when used with a UHS-I capable SD/microSD card	£12.49	**£14.99**

OUR CHEAPEST USB FLASH DRIVES

Sourced for educational departments on a tight budget these "Fancy" flash pens are USB 2.0 with transfer speeds of 10 MB/second – so not the fastest drives but where speed is not of paramount consideration, certainly the cheapest. They can easily be attached to keyrings for handy recall.

from only
£3.49
Ex VAT

- A removable storage medium that allows you to write and erase the data as many times as is required
- With a rotating cap
- Suitable for terminal devices with a USB interface
- With an eye for attaching the pen, e.g. to a keyring

PORTABLE STORAGE				
Code	Brand	Product	ExVAT	Inc VAT
54315	DigiMagic	DM220 U8 8X DVD Burner	£499.17	**£599.00**
54167	Hama	8GB USB PenDrive Fancy, 10MB/s	£3.49	**£4.19**
54168	Hama	16GB USB PenDrive Fancy, 10MB/s	£3.66	**£4.39**
54172	Hama	32GB USB PenDrive Fancy, 10MB/s	£3.91	**£4.69**
54173	Hama	64GB USB PenDrive Fancy, 10MB/s	£6.08	**£7.29**
54174	Hama	128GB USB PenDrive Fancy, 10MB/s	£9.99	**£11.99**
54186	Hama	8GB USB Hook-Style FlashPen, 100x	£5.24	**£6.29**
54187	Hama	16GB USB Hook-Style FlashPen, 100x	£5.58	**£6.69**
54188	Hama	32GB USB Hook-Style FlashPen, 100x	£6.66	**£7.99**
54189	Hama	64GB USB Hook-Style FlashPen, 100x	£8.74	**£10.49**
54200	Hama	16GB USB Rotate Flashpen, 10 MB/s, USB 2.0	£4.66	**£5.59**
54201	Hama	32GB USB Rotate Flashpen, 10 MB/s, USB 2.0	£6.41	**£7.69**
54376	SanDisk	SSD Extreme Portable 1TB, USB 3.2 Gen 2 (1050MB/s)	£224.17	**£269.00**
54377	SanDisk	SSD Extreme Portable 2TB, USB 3.2 Gen 2 (1050MB/s)	£374.17	**£449.00**

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CAMERA ACCESSORIES

KOOD BLACK STRAPS

Kood's two replacement SLR black camera neck straps have a total length of approximately 100cm (1.5 inches) wide made from webbing or deluxe black neoprene (Contour version)

NIKON ML-L3 REMOTE

This infrared remote control triggers the shutter remotely when using slower shutter speeds to prevent camera movement and offers an immediate release mode and 2 seconds delay mode, useful for taking a self-portrait with a working range of approximately 16 feet.
Compatible with cameras such as the following: D3500, D5600, P series Coolpix.

CANON EOS REMOTE SWITCH RS-60 E3

This switch is ideal for preventing camera shake for telephoto shots, macrophotography, and bulb exposures. The length of the cable is two feet (60cm), and it replicates all the functions of the camera AEs shutter-release button.
For use with many EOS SLRs including 1300D, 250D and 800D,

KOOD CABLE RELEASES

These low-cost metal cable releases are sleeved in a black vinyl cord and come with a locking screw in a choice of 10 or 18-inch lengths. We also sell an Air release which offers a long, 20 feet vibration-free release option.

HAMA TERRA 130 CAMERA BAG

Our recommended kit bag for those photographers buying a budget film or digital SLR is the Terra camera bag from Hama. We're proud to say, in keeping with our other sustainable suggestions in our range, that this is the first eco bag we've offered as both the inner and outer materials are made from 100% recycled polyester. Terra has resource-sparing production from recycled PET materials that are then processed into yarn.

So now you can get a high-quality bag to protect your equipment and the good thing is there is no premium in price for doing so. We really recommend this product as a major step forward in camera bag design.

HAMA UNIVERSAL REMOTE FOR CANON AND NIKON

The Infra red Universal Hama remote control release is an ideal multi-use IR remote for educational departments. Stand up to 28m away from your camera, and you can still take the photo at the touch of a button. It is perfect for photographers who want to capture an image while observing from a distance e.g. with animals and wildlife. It works with Canon, Nikon, Olympus and Pentax DSLR and compact cameras with built-in IR receiver and has similar functions to original remote-control release: Canon RC1/RC-5/RC-6, Nikon ML-L3, Olympus RM-2 or the Pentax E/F.

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CAMERA ACCESSORIES AND BAGS

Code	Brand	Product		Ex VAT	Inc VAT
67023	Canon	EOS Remote Switch RS-60 E3	Electronic release for many EOS SLRs including 1000D & 1100D	£12.50	£15.00
67024	Canon	RC-6 Remote Control	Electronic release for many EOS SLRs including 100D, 600D, 700D, 60D, 70D, 6D, and 5D Mark III.	£13.33	£16.00
26454	Firstcall	Focusing Cloth for Large Format Camera	1.2 metres square.Black on one side and red on reverse	£40.00	£48.00
26460	Firstcall	Air Release, 20 feet	For vibration-free shutter release	£10.42	£12.50
26488	Hahnel	USB Mains Charger (UK)	2 parts; connects iPod, PDA's, HP iPAQ, MP3 Players, Mobile Phones, Portable Game Consoles to USB sockets	£5.83	£6.99
26447	Hama	Telescreen Video Transfer	For filming older films (e.g. S 8, N 8) without image distortion with a camcorder or camera with video function	£49.99	£59.99
26464	Hama	Spirit Level 2, 5411	2 bubbles, 2 levels, fits camera hot shoe	£11.66	£13.99
55165	Hama	IR Mini 2 Universal Remote-control Release	Infra-Red. Ideal department release as it covers all four major brands of SLR/Compacts	£14.16	£16.99
9083	Kaiser	Cable Release Adaptor, 6154	For SLRs with no cable release socket	£13.33	£16.00
26446	Kaiser	Spirit Level 3-way, 6393	3 bubbles, 3 levels, fits camera hot shoe	£17.49	£20.99
25051	Kood	Black 38 Camera Strap	Black, non slip, 1.5 in. wide 100cm in length	£4.41	£5.29
25053	Kood	Comfort Camera Strap - Black	Black, non slip, 1.5 in. wide 100cm in length	£7.91	£9.49
26455	Kood	Cable Release black vinyl, 10in	10 inches / 25.4 cm	£6.08	£7.29
26459	Kood	Cable Release black vinyl, 16in	16 inches / 40 cm	£7.91	£9.49
52037	Nikon	ML-L3 Remote Controller	Nikon original infrared shutter release up to 5 metres	£29.16	£34.99
52039	Nikon	Remote Cord MC-DC2	for Nikon D90, D3100, D3200, D5000, D7000	£24.99	£29.99
28245	Hama	Samara 110 Colt Zoomster Camera Bag	Black/red. Internal dimensions 17 x 10 x 17 cm	£16.66	£19.99
28272	Hama	Terra 130 Camera Bag, Grey	Inside Dimensions W x D x H: 20 x 11 x 17 cm	£20.83	£24.99
28273	Hama	Terra 110 Camera Bag, Grey	Inside Dimensions W x D x H: 15.5 x 10 x 13cm	£16.66	£19.99

Please Note: Some imported items are suffering fluctuating stock levels. For certainty check before ordering.

CAMERA CLEANING

CALOTHERM CLOTH AND SPRAY

The ultimate in microfibre cleaning technology, Calotherm is still the best-value cleaning package on the market.

This high-quality British manufacturer of optical cleaning materials since 1934, is renowned for making the best cleaner for spectacle wearers. We have also found their products work equally well in the photographic world too, and have selected their Calocloth and Caloclean optical spray as the perfect match for photographers. The Caloclean formula provides an antistatic guard without the use of any alcohols or solvents. The design of the spray is specifically for delicate camera lenses where you must take special care when cleaning. This formula ensures that your equipment is in the best possible hands. When used in conjunction with a Calocloth Microfibre lens cloth the union creates a useful cleaning technique. Calotherm's cleaning sprays are not aerosols. Instead, they work with a pump-action offering a safe alternative.

When you buy the two together as a kit, you save £0.51 on the separate regular prices.

FIRSTCALL CLEANING AND MAINTENANCE KITS

Our own complete Lens Cleaning Set offers excellent value for money and contains a blower brush, lens cleaning fluid, lens cleaning tissues and cotton buds. You will not find a better value to keep your optical equipment clean, and our Maintenance Kit makes for an even more complete set by including all of the above plus cleaning cloth, tweezers and a screwdriver in its reusable carry case

TETENAL CLOTHS AND LENS SOLUTIONS

Tetenal's soft cleaning cloth is low priced, is 12 x 13.8 inches in area and has no impregnation plus is ultra-gentle on cleaning surfaces. This makes it ideal for the gentle cleaning of camera lenses in combination with Kenro Film Cleaner spray or our own 30ml. lens solution bottle.

KENRO LENS CLEANER SPRAY

This high-quality aerosol cleans, polishes and demists camera lenses and optical equipment of all kinds. We suggest using with a microfibre cloth for best results.

It is suitable for use on glass, mirrors, Perspex, ceramic and porcelain, camera lenses and optical instrument lenses, plus most plastics (we recommend testing the product first).

Please note: You should not spray it directly onto VDUs or photocopiers as static may ignite the spray. It is also not suitable for polycarbonate lenses.

HYDRA DEVELOPER CLEANERS

Sprint from Hydra is a liquid darkroom cleaner for tanks, reels and dishes. You can use neat or dilute 1+9 to soak your stained plastic equipment overnight. Hydra also makes a scale cleaner product called Blitz for those difficult to shift stains.

CAMERA CLEANING					
Code	Brand	Product		Ex VAT	Inc VAT
19140	Calotherm	Lens Cleaning Spray, Caloclean, 25ml	Recommended for all photographic uses and spectacles too	£2.99	£3.59
19141	Calotherm	Lens Cleaning Kit, Cloth and Spray	Perfect cleaning solution for camera lenses or spectacles	£4.91	£5.89
19144	Calotherm	Calowipe, 34 individual lens wipes	Recommended for all photographic uses and spectacles too	£2.74	£3.29
25072	Kenro	Lens Cleaner Spray, 150ml	Get crystal-clear images from your optical equipment by keeping it free from dust and smears with this professional-grade lens cleaner.	£5.83	£6.99
25115	Firstcall	Camera/Enlarger Maintenance Kit	Includes screwdriver	£8.33	£9.99
26218	Firstcall	Lens Cleaning Set	Blower brush, tissue, solution and buds	£4.99	£5.99
26462	Firstcall	Lens Cleaning Solution, 30ml	Dropper dispenser	£2.66	£3.19
19143	Tetenal	Lens Cleaning Cloth, Soft	12 x 13.8" will not hurt your camera lens.Fully washable	£5.41	£6.49

DARKROOM CLEANERS					
88001	Hydra	Developer and Tar Cleaner, Sprint Liquid	1 litre. New foaming action spray head	£11.66	£13.99
88002	Hydra	Developer and Tar Cleaner, Sprint Liquid	5 litres. Liquid, non-foaming	£41.66	£49.99
88004	Hydra	Developer and Scale Cleaner, Blitz V2	1 litre. New foaming action, acid-based	£22.16	£26.59

REVENI LABS
THE WORLD'S SMALLEST LIGHT METER

Being able to measure the light in a scene is a crucial aspect of photography. If you're a lover of film cameras, you've probably noticed they often lack light meters, or have selenium light meters which have stopped working in the decades since they were built.

Light metering is essential in film photography- since you have to make every frame count, but handheld light meters are clunky and difficult to use while juggling your camera and other equipment.

The light meter Reveni Labs created uses modern technology to add metering onto any camera. The housing is made from a high-quality 3D printed nylon using Multi Jet Fusion technology, and a single standard LR44 alkaline battery provides power for thousands of readings. Firstcall is an exclusive seller of all Reveni Labs meters in the UK.

You access the readings on a bright and crisp OLED display. At less than an inch in all dimensions and weighing only 8 grams, it makes the perfect companion to any camera kit. The bottom of the meter features a flash shoe mount, making it easy to mount on hundreds of cameras.

The Reveni Labs Light Meter is the world's smallest meter yet packed with features and designed with the photographer in mind when it comes to functionality.

Features:
- Incredibly tiny: only 0.92(22.5) x 0.86(21.8) x 0.71(17.8) inches(mm)!
- Weighs only 0.3oz (9g)
- It is made from high-quality 3D printed nylon using state-of-the-art MJF printing technology.
- Centre-weighted reflective metering, 45-degree sensor field of view
- Bright and crisp OLED display
- Simple controls and menu
- Aperture or Shutter priority mode
- Exposure compensation in 1/3 stops (-2 to +2 stop range)
- Single LR44 battery supply
- Integrated camera flash shoe mount (hot or cold shoe compatible)
- EV Range: EV 0.5 to EV 20 @ ISO 100
- Exposure Value display option
- ISO range: 1, 3, 6, 12, 25, 50, 80, 100, 125, 160, 200, 250, 320, 400, 800, 1600, 3200, 6400, 12800
- Aperture range: f0.7 - f1024 in 1 stop increments
- Shutter speed range: 1 hour to 1/8000s in 1 stop increments
- Factory calibrated but calibration can be adjusted by the user

REVENI LABS HARD CASE

Reveni is also a system light meter and we're stocking all the accessories that og with it. The number one accessory is the pocket-ready, hard case. It also has a lanyard loop on the rear so it can be tethered in a bag or onto a strap if desired.

REVENI LABS DOUBLE SHOE MOUNT

If you use a viewfinder, your camera's shoe may already be in use! With the double shoe mount, you can add your Reveni Labs Light Meter next to your viewfinder.

Features:
- One shoe is kept in-line with the original camera shoe
- The second shoe is offset by 32mm (1.25 inches)
- Increases the viewfinder height by approximately 9mm (0.375")
- Reversible to put the second shoe on the left or right side (entry is one-way, from the rear when placed on the left)

REVENI LABS SPOT METER

The innovative and highly-sought-after reveni Labs Spot Meter is exclusively available in the UK from Firstcall. Following on from the miniture design of the origianl meter, the spot meter includes all the latest technology giving reliable and consistant readings.

Key Features
- Spot metering (~1.5 degree) 6"(15cm) circle at 20ft(6m)
- Bright internal OLED display
- Innovative two-eye aiming method
- Simple controls and menu
- Single, 2-spot Average, Zone and Precision Method metering modes
- Aperture or Shutter priority modes
- Exposure compensation in 1/3 stops (-3 to +3 stop range)
- 2x Alkaline LR44 battery
- Dimensions: 2.8"(71) L x 1.2"(30.5) W x 1.5"(38) H inches(mm
- Weight: ~35 grams (1.25 oz)

FINGER RING MOUNT

Reveni Labs have it covered when you want to keep your little meter attached. Whether it be this fun little accessory so you can wear your Reveni Labs Light Meter on your finger like a ring, wrist or neck straps.

NECK STRAP

REVENI LABS STICKY SHOE AND LANYARD MOUNT

If your camera doesn't have a shoe, or you make your own cameras, or you need a second shoe, you can stick this shoe onto your camera for a good mounting point. Comes with a square of 3M, double-sided tape. It also has a neck strap hole so it could be used as a quick stowage mount in your bag or around your neck.

REVENI LABS				
Code	Product		ExVAT	Inc VAT
17023	Reveni Labs	Light Meter	£112.50	£135.00
17024	Reveni Labs	Light Meter Hard Case	£7.92	£9.50
17025	Reveni Labs	Light Meter Double Shoe Mount	£7.92	£9.50
17026	Reveni Labs	Light Meter Wrist Strap Shoe Mount	£6.67	£8.00
17027	Reveni Labs	Light Meter Sticky Shoe and Lanyard Mount	£5.00	£6.00
17028	Reveni Labs	Light Meter Right Angle Shoe Adapter	£6.67	£8.00
17029	Reveni Labs	Light Meter Riser for Thick Camera Shoes	£3.33	£4.00
17030	Reveni Labs	Light Meter Early (Barnack) Leica Offset Mount	£6.67	£8.00
17031	Reveni Labs	Light Meter Finger Ring Mount	£6.67	£8.00
17032	Reveni Labs	Light Meter Leash with clip	£2.50	£3.00
17033	Reveni Labs	Light Meter Neck Strap	£2.50	£3.00
17034	Reveni Labs	Spot Meter	£199.17	£239.00

Please Note: Some imported items are suffering fluctuating stock levels. For certainty check before ordering.

FLASHGUNS

KENRO KF101 FLASHGUN

Designed for amateur or professional use, the Kenro KFL101 is compatible with both Nikon i-TTL and Canon E-TTL systems on the same flash head. This is particularly useful for photographers who use cameras of both systems, or share flashguns with other photographers using a mix of other systems.

The KFL101 features on-camera TTL, plus dual Nikon / Canon compatibility, high-speed synchronisation, S1 and S2 slave functions, fast recycle time, auto-zoom, built-in diffusor, and plenty more.

- Wireless master function: Canon wireless flash, Nikon command flash
- Wireless slave function: Compatible with both Canon and Nikon Wireless Flash systems, wireless E-ETTL, and i-TTL off camera flash, manual and multi flash system
- Power supply: 4 AA batteries - Built-in power indicator (batteries not included)Dual compatibility: Universal hotshoe contact means the same flash head can be used with both Canon and Nikon cameras
- High-speed synchronisation (up to 1/8000) TTL flash / Manual flash / Multi flash.
- Slave functions: S1 and S2
- Included in the box: Flashgun with a case, diffusor, table stand and instruction manual.

FLASHGUN ACCESSORIES

FLASHGUN CONNECTIONS

This handy group includes hot-shoe adaptors, leads and brackets to connect your flashgun to camera securely and conveniently. Our most popular connections are the Kaiser 1300 for connecting studio flash units to cameras with a hot shoe contact via a flash shoe or connecting studio flash units via a sync cable. Their other adaptor, 1301, allows firing of the flash via your cameras PC socket.

ON-CAMERA LED LIGHTS

Interfit's panels are a contemporary alternative to flashguns or studio lights and you benefit from the continuous light which highlights shadows in picture taking.

FLASH TRIGGERS

To fire your flash wirelessly is an alternative to leads. The Pocket Wizard PlusX is the simplest radio trigger set ever. Just by attaching one PlusX to your camera and the other (in this set) to a remote flash using an included cable, setting both radios to the same channel, then you're ready to start taking pictures.

The PlusX is what's called a transceiver incorporating both transmitter and receiver. It is compatible with all standard channel PocketWizard transmitters and receivers, so it's the perfect companion for any existing kit but equally well-priced to be your first choice for a new radio-trigger set.

NIKON SB-500 FLASHGUN

An ideal add-on and step-up unit for Nikon consumer digital SLRs, this compact and lightweight Speedlight is both powerful and sophisticated. It is capable of advanced wireless lighting, bouncing the flash off walls and ceilings - and also illuminating movies. With its intuitive and straightforward operation; attach it with the new easy-lock mechanism, turn it on and shoot – and the gun's iTTL will look after the rest!

- Guide number: 24/78.7 (m/ft at ISO 100) covering a 24 mm angle-of-view (FX-format)
- Built-in LED light: high-intensity (100 lx) LED light for video filming
- Output level selectable in three steps (Low, Mid, High)
- Illumination with surface light source utilising a diffuser for soft lighting
- Colour temperature of 5400K, ensures natural auxiliary light
- Superior colour rendering performance for faithful reproduction
- Advanced Wireless Lighting (commander mode/remote mode)
- Tilts up to 90° with click-stops at 0°, 60°, 75° and 90°
- Rotates horizontally through 180°
- Compact i-TTL compatible with FX- and DX-format D-SLRs and Coolpix
- 3.5 seconds recycling time when using rechargeable Ni-MH batteries

FLASHGUNS					
Code	Brand	Product		ExVAT	IncVAT
25401	Canon	430EX III RT Speedlite	GN43, dedicated with all EOS and Canon digitals	£249.17	£299.00
25408	Canon	EL-100 Speedlite	Wireless slave capability, manual zoom head, E-TTL II, E-TTL, TTL	£149.17	£179.00
65081	Interfit	LM8 100 Bi-Colour On Camera LED Pad	Panel to sit on top of camera shoe. Use On & Off Camera, Suitable for Stills or Video with Sony NP-F battery compatibility.	£45.00	£54.00
25402	Kenro	KF101 Flashgun	GN58, dedicated with most Canon/Nikon compatibility	£79.17	£95.00
26392	Nikon	SB-500 Speedlight	GN24, auto fill flash, 4 stage tilt head, Built-in LED light for movies	£199.17	£239.00

ACESSORIES					
26328	Firstcall	Straight Flash Lead, 6975, 10 metres	PC plug to PC socket	£6.66	£7.99
26321	Hama	Straight Flash Lead, 6973, 3 metre	PC plug to PC socket	£6.08	£7.29
26359	Hama	Folding Bracket Angle Bracket, 6831	For holding off-camera flash	£18.33	£22.00
65085	Interfit	INT 802 LED Battery NP-F750	1 x NP-F750 LED Battery (7.4v 4,400mAh) for Interfit or Nanguang LED panels	£18.33	£21.99
9072	Kaiser	Flash Adaptor inc. Cable with PC Jack Plug 3.5mm, 1303	For connecting flash to receivers of RC remote releases e.g. Pocket Wizard or Skyport	£19.16	£22.99
26294	Kaiser	Hot Shoe Flash Adaptor, 1300	For connecting flash to cameras without PC socket	£9.41	£11.29
26298	Kaiser	Hot Shoe Flash Adaptor with cable, 1301	For connecting flash to cameras without hot shoe	£12.49	£14.99
26362	Kood	Hot Shoe Slave Unit	Remote trigger for hot shoe guns	£15.83	£19.00
25600	Lastolite	Off Camera Straight TTL Flash Cord, Canon, 3m 2424	Maintains full through the lens flash exposure control	£30.33	£36.39
25601	Lastolite	Off Camera Straight TTL Flash Cord Nikon, 3m 2425	Maintains full through the lens flash exposure control	£30.33	£36.39
55153	PocketWizard	Plus X Twin Set	With a simple dial to select channels, the simplest to trigger a remote flash.	£149.17	£179.00

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STUDIO PANELS

Studio Panels also offer a fully portable form of studio lighting as they too run off batteries when required. The major advantage of these new-technology lamps is that instead of a flash tube, they emit light from a vast array of LED bulbs.

These flat panels, therefore, offer a dimmable continuous light source that is lightweight to carry, can be taken out of studio using Sony V-Lock batteries, are silent to run and capable of accepting favourite accessories like barn doors or softboxes.

INTERFIT LM8 600BI LED 36W BI-COLOUR STUDIO PANEL

The Interfit 600 LED studio lighting panel provides both the photographer or videographer with a powerful light source perfect for both stills & video. Includes removable metal barn doors and filters which allow control over the direction of light. There is also the option to add a softbox INT955 (sold separately) making this a versatile lighting tool.

Featuring a precise LCD display and stepless control dimmers which allow the user to adjust the power output from 1-100% and adjust the colour temperature from 3200k-5500k. The addition of a DMX port also allows for additional functionality and integration into larger lighting setups.

LED bulbs have a long lifespan being very energy efficient and produce very little heat. As such, there is no need for a fan which can sometimes prevent use for video making the panels silent.

The LED panel can be powered using the included power cable or power with a Sony V-Lock battery (Not Included). This makes your on location shoots a breeze since it is cordless and extremely easy to transport using the included protective carry case. This lightweight unit is great for on-location videography or photoshoots. The 36w LED output is equivalent to a 300w studio light.

Includes:
- •(1x) LM8 600BI Panel
- •(1x) Set of Metal Barn Doors
- •(2x) Filters (Transparent & Frosted)
- •(1x) AC Power Cord (Batteries not included)
- •(1x) Carrying Case

INTERFIT LM8 600 LED BI-COLOUR 2-PANEL LIGHTING KIT

The Interfit LM8 600BI LED 36W Bi-Colour 2-Panel Lighting Kit follows on from the one-head panel, by balancing the light and therefore is perfect for a whole host of lighting situations and allows you to transport two light panels, stands and accessories easily in a convenient kit.

The 72w LED output (combined two heads) is equivalent to 600w of studio-flash light. You save £62 on the combined items in the kit.

Includes:
- •(2x) LM8 600BI Panel,
- •(2x) Set of Metal Barn Doors,
- •(4x) Filters (Transparent & Frosted),
- •(2x) AC Power Cord (Batteries not included),
- •(1x) Carrying Case for 2 x LED Panels,
- •(1x) Lightstand Carrying Case for 2 x 2.65m stands.

Specifications for each head:
- •Colour Temperature 3200 - 5600K
- •Cri 95
- •Variable Power Stepless dimmer knob
- •Operating Voltage 100-240VAC
- •Power Supply 100-240 V AC – Adapter included
- •Battery Type 12-16.8V DC Sony V-Lock (Not Included)
- •Mounting   Standard 5/8"Stand Mount
- •Construction Aluminum Frame
- •Dimensions 32 x 32 x 8 cm
- •Weight 2.45 Kg
- •Lux / Foot Candles @ 1m 4020 Lux / 373 Fc
- •Lux / Foot Candles @ 2m 827 Lux / 76.8 Fc
- •Lux / Foot Candles @ 3m 362 Lux / 33.7 Fc

INTERFIT LM8 1200BI LED 36W BI-COLOUR STUDIO PANEL

The Interfit 1200 LED studio panel is double the power of the 600BI LED Panel and provides a more powerful (or additional) light source perfect for both stills and video. The included removable metal barn doors and filters allow control over the direction of light making this a hugely versatile lighting tool.

Customers have told us that by adding just this extra light to the 600 LED kit the increase in versatility has been noticable.

Besides, don't forget, that if you're ordering the 600 or 600 Kit the purpose-made Fovitec softbox will further enhance your portraiture or product photography work.

INTERFIT STUDIO PANELS

Code	Brand	Product		Ex VAT	Inc VAT
23663	Interfit	LM8 600BI LED 36W Bi-Colour Studio Panel	Lightweight and slim profile, Suitable for Stills or Video with V-Lock Battery compatibility (Battery not included).	£174.17	£209.00
23664	Interfit	LM8 600 LED Bi-Colour 2-Panel Lighting Kit	The perfect kit for headshots, interviews, tabletop photography and more.	£415.83	£499.00
23665	Interfit	LM8 1200BI LED 72W Bi-Colour Studio Panel	Lightweight and slim profile, Suitable for Stills or Video with V-Lock Battery compatibility (Battery not included).	£324.17	£389.00
23666	Fovitec	Softbox for LM8 600 Panel	For soft diffused stills or video with the Interfit LM8 600BI	£24.99	£29.99

Please Note: Some imported items are suffering fluctuating stock levels. For certainty check before ordering.

FOVITEC 1200 XB LIGHTING KIT – EVERYTHING YOU NEED FOR UNDER £500

Fovitec's new LED kit includes everything you need to enhance your photo and video production capabilities. It is ideal if you are looking for just one versatile lighting kit that's excellent value for money and if you want to use it inside or out.

It includes two powerful Bi-Colour LED panels with 260cm air-cushioned light stands, which offer true versatility. You can adjust the Bi-Colour panels from a warm 3200K colour temperature to a cool 5600K and anywhere between. Because of its *V-Lock battery compatibility (battery not included), these lights can travel anywhere inside the studio or out on location. And with added DMX compatibility, you can have complete control, even when mounting your lights out of reach (requires DMX board and cables. Not included).

V-Lock batteries cost around £100 each on the internet.

new

3200K - Warm
You will find warm colour temperatures inside restaurants and cafes or outside during the Golden Hour. Dial the colour of your lights down to match the warm ambience of the environment and create a more inviting and mellow feel to your shots.

4400K - Mid-range
Most office buildings have overhead lights warmer than daylight but cooler than incandescent light. Set your lights to around 4400K when working in an office building to match the ambient colour in the room.

5600K - Cool
Natural daylight has a cool colour temperature. Set your lights to around 5600K when working outside or in buildings with ample natural light.

Mixed Colours
Mixed-colour temperatures are all around us. Use warm and cool light to create various artistic and elegant effects.

Contents:
- 2x 1200 bulb bi colour panels, 2x 260cm stands, 2x barn doors, 4x light filters, 2x AC adapters, 2x bags

Features
- Independent Temperature & Intensity Control w/ Digital Readout: Includes separate, stepless, brightness and colour knobs tunable using the LED display
- Great for Studio work, Online Video & Streaming, YouTube, Twitch, & Instagram influencers
- For Professional-Grade Indoor & Outdoor Videography: V-mount battery & DMX compatible
- Powerful & Colour Accurate: Each panel is 95+ CRI with up to 6380 lux at 1m

INCLUDED COMPONENTS
2x stands, 2x 1200 bi-color LED panels, 1x opaque filter, 1x frosted filter, 2x power adapters, and 2x padded carrying cases

COPY STANDS

FIRSTCALL COPYSTAND 720WL

KAISER RS2

We offer a complete range of copy stands that come with or without lights.
The best-selling 720 Copystand, is solid and the electrics all UK approved. The all-metal column and camera arm will support 35mm, medium format, video or digital cameras. The 18% grey baseboard will take artwork up to 12 x 16 inches. You can adjust the metal lamps to any angle, thanks to smart lighting arms which merely clamp onto the baseboard.
It replaces our old model (920) but has a smaller column which moves up and down on a ratchet track.

Included is the stand, lights and two x 100w bulbs.
- Column height is 72cm
- Maximum camera weight is 2kg
- Baseboard: 40 x 48cm

The RS2 XA has a 15.7 x 16.5-inch baseboard, and the column height is 31 inches. The non-reflective matt grey base board with printed fine grid helps align copying with a cm/inch scale. Matt-black anodised aluminium section tube column with cm/inch scale matches the black lamps. It comes with a horizontally adjustable camera arm to change the distance to the column, which moves approx. 7 cm (2.7 in.) back and forth. 1/4" mounting thread. Column folds down on baseboard.
The accompanying 18w RB 218 HF Lighting unit is a high frequency operating system. It includes two small light banks, each equipped with a cold light fluorescent lamp, tiltable and adjustable in height. The angle of vertical arms is adjustable by locking joint. They are mounted with strong die-cast clamp bases.

- Clamp width 48 mm (1.9 in.)
- Lamps: 2 x 18 watts 40kHz
- Colour temperature: 5400 K

COPY STANDS

Code	Brand	Product		Ex VAT	Inc VAT
25263	Firstcall	Copystand 320	Budget copystand without lights	£28.33	£34.00
25264	Firstcall	Copystand 500	Intermediate copystand without lights	£54.17	£65.00
25265	Firstcall	Copystand 720WL	Our great value copystand with lights, 200w	£133.33	£159.99
25266	Firstcall	Copystand Spare Bulb, R80, 100w	Spare lamp for our 720 copystand	£10.49	£12.59
9081	Kaiser	RS1 Copystand 5510 (no lights)	Includes RA1 camera mount	£499.17	£599.00
9082	Kaiser	RB 5020 DS2 LED Lighting Unit	Two LED lights, 5600k, 2x 17w, 4300 lux	£583.33	£699.99
9079	Kaiser	RS2 XA Copystand & Lights (5411 and 5464)	With 2x 18w 5400 K lights, includes adj. camera mount	£700.00	£840.00
9080	Kaiser	RS1 Copystand & Lights (5510 & 5550)	With 2x 27w 5600 K LED lights, includes RA1 camera mount	£1,165.83	£1,399.00
9095	Kaiser	Book Copying Holder (K5771)	Positions books perfectly for copying	£349.17	£419.00

PORTABLE LIGHTING KITS

Code	Brand	Product		Ex VAT	Inc VAT
26810	Fovitec	1200 Bi LED Lighting Kit	Two LED lights, 260cm stands bags and cables	£416.66	£499.99

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CONTINUOUS FLASH

Continuous studio lighting means light which is on all the time. It's great to see where shadows fall, and you simplify the learning process in studio photography by using this system. You can choose between Tungsten or Fluorescent options for the kits we sell, or even a new monolight LED from Interfit which gives you the best of both worlds.

FOVITEC STUDIOPRO 2X PRODUCT PHOTOGRAPHY TABLETOP KIT

Sometimes you want a simple light boost for product photography without costing the earth!
This compact two-light fluorescent product photography kit fits that requirement.
Previous photography knowledge is not needed to produce beautiful results. Ideal for those who work in a small studio space and demand high-quality photography. The total output of the kit is 300 watts of light.

• Ideal for product photography and continuous lighting.
• Energy-Efficient: Low heat output and energy usage compared to incandescents
• 90+ CRI: Daylight balanced 5500K CFL, 30W bulbs, deliver true and accurate colours
• Lights have an 18-inch maximum height for tabletop use
• Focus the light where you need it, whether for portraits, videos, food photography or even as a grow light for indoor plants.

PATERSON TUNGSTEN UMBRELLA & SOFTBOX KIT

Their head is capable of using a high temperature-resistant softbox to create a soft light source when needed, and this alternative kit from Paterson is our best seller because of the flexible lighting solutions it offers.
Their LIT102 option is a 500 W Tungsten Softbox/Umbrella Kit (3200K), which includes two heads with stands, bulbs, cables and one of each of the 36-inch translucent (white) umbrella and 60 x 90cm heat-resistant softbox. There are also softbox only options from Paterson.

Kit includes:
• 2 x LIT100 Tungsten heads + reflectors
• 2 x P2/1ES Tungsten bulbs
• 2 x LIT299 Stands
• 1 x Silver Umbrella
• 1 x 60 x 90cm softbox
• 1 x LIT320 Carry Bag

INTERFIT LM8 1 LED MONOLIGHT

The Interfit LM8 100W LED monolight offers a versatile yet powerful studio light that you can use for both still photography, product shots, videography and even interview work.
Included in the design of the head is a "standard" Bowens S-mount and umbrella mount meaning most popular modifiers will fit, but it is already supplied with a pop-up softbox to get you started.
It offers accurate daylight colour balance and a colour rating index of >95% meaning flicker-free perfect lighting, with no replacement bulb costs, every time.

Includes:
• (1x) LM8 100W Monolight
• (1x) 60cm Pop-Up Softbox
• (1x) AC Power Cord

FOVITEC FLUORESCENT LIGHTING KITS

The StudioPRO range of lighting is a cool-running continuous light source that combines ease of use with the versatility to provide a powerful lighting tool for education and personal studios. Each head, not surprisingly, contains five 45w bulbs giving 1000 watts of lighting output per head, 5600K light in pairs so a total of 2,4 or 5 lamps can be on at any one time. Each kit comes with stands and softboxes.

STUDIOPRO 2000W TWO HEAD KIT

Kit includes:
• 2x StudioPRO 1000w Fluorescent Lamp Head
• 2x 51cm x 71cm Softboxes
• 10x 45w Fluorescent Lamps
• 2x 2.3m Air Cushioned Lighting Stands

new

only £149 inc VAT

STUDIOPRO 2500W THREE HEAD KIT WITH BOOM ARM

As an alternative, you can explore the endless three-point lighting possibilities in your photos and videos with the premium StudioPRO 2500w Three-Head Fluorescent Lighting Kit. We particularly recommend it for those three head creative portrait shots or for large product photography where shadowless results are a prerequisite. This light-weight continuous light source combines ease of use and versatility to provide a powerful lighting tool for your studio.

Kit includes:
• 2x Softbox Units 1 x Foldable Softbox
• 3x 2.3m Lighting Stand + 1 x Boom Arm with Sandbag
• 3x Inner Light Diffuser
• 11x 45w E27 5500k Bulbs
• 2x 5 Socket Heads
• 1x Single Socket Head
• 3x Main Plugs (1 Fixed Lead)
• 1x Carrying Bag

new

only £190 inc VAT

CONTINUOUS STUDIO LIGHTING					
Code	Brand	Product		Ex VAT	IncVAT
26802	Fovitec	StudioPRO 2000W Photography Continuous Video Photo Studio Lighting Softbox Kit	2000W output, inc two softboxes and stands, daylight balanced at 5600K	£124.96	£149.95
26803	Fovitec	StudioPRO 2500w Photo & Video Studio 3 Light & Boom Arm Softbox Lighting Kit	2500W output, inc three softboxes and stands plus Boom Arm, daylight balanced at 5600K	£158.29	£189.95
65104	Paterson	LIT110 Fluorescent Head with Softbox	Fluourescent head and softbox, does not include lamp	£78.74	£94.49
65105	Paterson	LIT111 Fluorescent Softbox/Softbox Kit	2x heads, stands, softboxes, 1350W lighting outfit	£297.49	£356.99
65107	Paterson	LIT109 Fluorescent Head with Reflector	Fluourescent head and reflector, does not include lamp	£74.37	£89.24
65108	Paterson	LIT112D Fluorescent Head Reflector Kit	2x heads, stands, 30cm flood reflector, 1350W lighting outfit	£253.74	£304.49
65111	Paterson	LIT113 Fluorescent Softbox/Reflector Kit	2x heads, stands, softbox & reflector 1350W lighting outfit	£297.49	£356.99
65113	Paterson	LIT201 Fluorescent Super Series Head with Softbox	Super Series 2025W head and softbox, includes 3 lamps	£209.99	£251.99

Please Note: Some imported items are suffering fluctuating stock levels. For certainty check before ordering.

STUDIO FLASH

INTERFIT F121 STUDIO FLASH LIGHTING

Interfit's new low-cost studio flash lighting is light, modern and can be tailor-made to fit your requirements with output and accessories customizable and feature a digital touch screen for accurate power adjustments with stepless dimming and correct colour temperature.

The output of the modelling lamp can be adjusted independently or in line with the flash tube power adjustment. It also has a fast recycling time of 1-2s at full power which can be triggered remotely using the (inexpensive) Interfit on-camera remote INT910 (Sold separately).

There are five ways to buy the F121 in any combination of umbrella, reflector or softbox.

Highlights
- Available in 100W & 200W
- Reliable colour temperature
- Digital touch screen display
- Fast recycling time
- AC Powered
- 75W adjustable modelling lamp
- Integrated wireless triggering (optional extra)
- Accurate six-stop power adjustment in 1/10th increments

FOVITEC BI-COLOUR LED RING LIGHT KIT FOR CREATIVE PORTRAITS

The Fovitec 480 Bi-Colour LED Ring Light is great for a wide variety of creative uses: Vlogging, hair & makeup, beauty blogs & tutorials, portraits & headshots, barbers & tattoo artists. It offers precision control due to its TRUE BI-COLOR ranging from 3200K-5600K without the need for clip-on gels.

A built-in NP-F battery mounts let you create content anytime, anywhere (Batteries not included) and the 96+ CRI reproduces colours accurately without common green colour tints. Dial in the colour temperature of your light to match your ambient light and give you the exact look you're going for. Whether you're setting up for a portrait session, filming a makeup tutorial, or restoring priceless pieces of art, you will know your colours and tones will be true.

Kit includes:
- 1x 19inch ring light, 1x stand, 1x power cable, 1x phone holder, 1x ball head, 1x thread adaptor

COMBINATION FOVITEC STUDIO & BACKGROUND KIT

Sometimes we get customers who want a one-stop purchase for studio or video work that includes everything that they need to buy.

The Fovitec Studio & Background Kit answers that demand by offering a combined 3000w continuous lighting softbox kit with backdrops & support system that will help you produce high-quality photographs, green screen special effects, and fashion or product videos - all in one package that folds down into a handy storage-sized case.

Essentially this is the StudioPRO system of lighting heads which are covered by the 51cm x 72cm softboxes with an inner reflective lining with removable diffusion; this will help soften light when needed to help you get the best results.

Included are 3 x 3.7m three muslin backdrops in white, black & chroma green. The white and black backdrops are ideal for photography, interviews and video, whilst the chroma green is excellent for film and green screen. The backgrounds are supported by two heavy-duty aluminium support stands and a 4-section crossbar.

These lighting stands can also hold a range of other equipment, including monolights, LEDs or video light heads for future expansion of your outfit.

only
£329
inc VAT

Contents:
- 3x 51x71cm softbox
- 3x five socket heads
- 3x 2.3m stands
- 15x 45-watt bulbs
- 1x Customised carry case

Code	Brand	Product		ExVAT	IncVAT
			STUDIO FLASH LIGHTING		
25121	Elinchrom	D-Lite RX 4/4/4 Three Head Set To Go DLITERX444	400Ws heads, 2 softboxes, 2 umbrellas, stands, Skyport transmitter	£1,082.50	£1,299.00
23650	Fovitec	19"(48cm) Bi-Colour LED Ring Light kit for Video Creators	Lightweight and slim profile, Suitable for Stills or Video with NP-F compatibility (Battery not included).	£74.96	£89.95
26812	Fovitec	StudioPRO 3000w Photo Video Studio & Background Kit	3000W output, inc three softboxes, stands plus background support kit and 3 backgrounds	£274.99	£329.99
26062	Interfit	INT 901 F121 100w Head Kit c/w Reflector, Umbrella & Stand	Low-cost beginner's 100w flash head with reflector, umbrella and stand	£82.50	£99.00
26063	Interfit	INT 902 F121 100w Head Kit c/w Softbox & Stand	Low-cost beginner's 100w flash head with softbox and stand	£99.17	£119.00
26064	Interfit	INT 903 F121 100w Head Kit c/w Softbox, Boom Arm & Stand	Low-cost beginner's 100w flash head with softbox, boom arm and stand	£107.50	£129.00
26081	Interfit	INT 905 F121 200w Head c/w Reflector	Low-cost beginner's single 200w flash head with reflector (only)	£70.83	£85.00
26082	Interfit	INT 906 F121 200w Twin Head Kit c/w Softbox, Umbrella & Bag	Low-cost beginner's twin 200w flash head with softbox, umbrella, stands & bag	£220.00	£264.00
26083	Interfit	INT 907 F121 200w Twin Head Kit c/w Softboxes & Bag	Low-cost beginner's twin 200w flash head with softboxes, stands & bag	£215.83	£259.00
26085	Interfit	INT 910 F121 Remote	Tiny, flash trigger remote that works with all versions of the F121	£16.66	£19.99

BACKGROUND SUPPORT SYSTEMS

INTERFIT AND LASTOLITE FREESTANDING BACKGROUND SYSTEMS

These freestanding setups are often referred to as goalpost stands for obvious reasons and comfortably support your chosen paper or cloth material. They are also the cheapest and easiest way to get backgrounds supported in your studio. We recommend buying a set-up like those from Interfit or Lastolite. These portable systems are suitable for all backgrounds - paper or cloth and vinyl. Available as a half-width or full-width roll option they comprise two stands and a crossbar. We recommend the full-width versions that will take backgrounds up to 10 feet wide and drape from a height of up to 8 feet. All kits include a free case to store the components.

LASTOLITE SOLO BACKGROUND SUPPORT

This ingenious design features a unique pivoting cross bar which makes raising the background on the supports a much more natural and safer operation. Rather than step by step adjustments at each end of the support system, the new pivoting connectors allow for much more significant steps without making the whole structure unstable and unmanageable. The support is available as a 3m wide solution. It has a telescopic crossbar and comes in a handy carry case which fits comfortably into a car. The neat thing is that the Solo Support Brackets are also available on their own, in a set of two, for use with most industry standard background support systems.
The Solo Background Support consists of 2x Solo Support Brackets, 2x stands and 1x crossbar.

COLORAMA ROLLEASY FIXED BACKGROUND SUPPORT

With Colorama Rolleasy it is easy to manage your backgrounds. For use with a solid wall or ceiling mount system, this manual background roller system uses a detachable crank to smoothly raise and lower each background, which is then automatically locked in position. Only one person is needed to change rolls, unlike many other systems that need two.
The unit can be ceiling or wall mounted, according to choice. Both systems have brackets that hold up to four full-size backgrounds. We are now selling three starter kits for wall use and ceiling use that come fully equipped for use with 2 or 3 rolls of paper. The unit comes equipped complete with stub ends and paper weight & cutters. If you are using vinyl you will need a different configuration as vinyl users need an aluminium core and the vinyl is pre-rolled onto the core at the time of order, so call us for a quote. Vinyl backgrounds in 2.72m wide are only available in white and black colours.
Colorama Rolleasy has no chains and no free swinging parts and is well out of the way of studio operations when not in use, extending no more than 267mm (10.5") down from the mounting point.

INTERFIT WALL BRACKETS

Designed for paper backgrounds these brackets give you an instant hanging and moving background system for up to three rolls of paper (up to 2.72m wide. It contains two wall brackets, two paper holders (brake and chain), three colour coded chains and weights plus four wall studs.
For SOLID walls only.

INTERFIT EZ DROP

Sometimes you want just a little something to fill your portrait shot and often don't want to pay too much either. Interfit's new EZ background Kit is perfect in such scenarios. Large enough for a two-person portrait it folds down into a compact bag. With lightweight aluminium construction and a 60cm (24") folded length, the 1.5 x 2.1m (5 x 7') EZ Drop portable background support system is ideal for travel. It has two background cloths (white and black), and a nylon carry bag.

BACKGROUND SUPPORT SYSTEMS

Code	Brand	Product		Ex VAT	Inc VAT
23511	Colorama	Rolleasy Background System, Wall - 2 roll	Complete kit for wall mounting 2 rolls up to 2.72m	£950.00	£1,140.00
23512	Colorama	Rolleasy Background System, Ceiling - 2 roll	Ceiling mounting for 2 rolls up to 2.72m	£921.67	£1,106.00
23551	Colorama	Rolleasy Background System, Wall - 3 roll	Complete kit for wall mounting 3 rolls up to 2.72m	£1,512.50	£1,815.00
23552	Colorama	Rolleasy Background System, Ceiling - 3 roll	Ceiling mounting for 3 rolls up to 2.72m	£1,438.33	£1,726.00
23513	Colorama	Supplementary Unit inc Stub Roller for Rolleasy	Needed to add an extra roll on support system	£284.17	£341.00
23514	Colorama	Paper Weight and Cutter	Used to keep a straight edge on 2.72m paper roll	£76.67	£92.00
23515	Colorama	Paper Brake (pair)	Used to keep a straight edge on 2.72m paper roll	£15.83	£19.00
26236	Colorama	Foam Paper Storage Roll Holder	Wall mounted brackets, holds 12 rolls of paper	£47.50	£57.00
26721	Interfit	COR 756 Background Support System, for rolls up to 3.2m wide	2.6m high x 3.2m wide, includes carry bag	£95.83	£115.00
26722	Interfit	COR 761 Background Support System, Telescopic/Variable for rolls up to 2.6m wide	2.6m wide x 3.2m high, includes carry bag	£82.50	£99.00
26742	Interfit	INT 312 Wall Bracket & Chain Kit	A wall background support for up to 3 paper rolls (2.72m)	£70.83	£85.00
26759	Interfit	INT 142 EZ Drop Background Support System	Foldable Background Kit with white & black cloths and bag	£66.66	£79.99
26243	Lastolite	Solo Background Support, 3m	Faster & safer	£274.17	£329.00
26754	Lastolite	Magnetic Background Support Kit - 1121	Max Payload 5kg, includes lighting stand & bag	£137.50	£165.00
27027	Lastolite	Background Support System & Bag - 1108	For backgrounds up to 3 m in width, 5kg weight limit	£192.50	£231.00
27028	Lastolite	Background Support System & Bag - 1128	For backgrounds up to 3 m in width, 13kg weight limit	£221.67	£266.00

Please Note: Some imported items are suffering fluctuating stock levels. For certainty check before ordering.

BACKGROUND PAPER

The most popular of background materials is paper, sold in rolls, and matched to the colour you want your background to appear in your studio shot.

BACKGROUND PAPER FROM COLORAMA AND LASTOLITE

Paper is by far the best choice when it comes to backgrounds because when it gets dirty, you rip it off the roll, thereby ensuring for every shoot you can shoot against a pristine surface.

Colorama and Lastolite background paper rolls, both made in the USA, are available in one length of 11 metres. However, it is Colorama that offers the full range in two choices of width – 4.5 and 9 feet in a full range of colours.

Colorama uses an unusually robust and durable paper, coloured with aniline dyes to guarantee complete fastness to light and faithful colour rendition. They are rolled onto a thick cardboard core; the background stays smooth and does not sag or crease. We can order any particular colour and stock the most popular, including both blue and green Chromakey and Graduated PVC versions. To view an electronic swatch of the Colorama papers, please go our website for the full selection in our Info. section.

COLORAMA PVC

The choice of background can make the difference between an excellent result and a disappointing shot. Rainbow graduated backgrounds from Colorama punch extra life into your tabletop sets, still life studies and package shots.

There is no need for special lighting or gels - get truly professional results with the simplest lighting setups, even just daylight alone. Best of all, you can easily repeat the same effect time after time because the background is made of durable, wipe down PVC. Colorama's sheets offer dramatic effects.

Each version smoothly blends two or more colours in a background of 1.1 x 1.7 metres (approximately 43 inches x 67 inches) and is available in five different colour options.

Code	Brand	Product		Ex VAT	Inc VAT
		BACKGROUND PAPER AND PVC			
26216	Colorama	Background Paper Arctic White 1.35 x 11m	Half width	£45.83	**£55.00**
26217	Colorama	Background Paper Arctic White 2.72 x 11m	Full width	£74.17	**£89.00**
26220	Colorama	Background Paper Polar White 1.35 x 11m	Half width	£45.83	**£55.00**
26221	Colorama	Background Paper Polar White 2.72 x 11m	Full width	£74.17	**£89.00**
26223	Colorama	Background Paper Black 1.35 x 11m	Half width	£45.83	**£55.00**
26224	Colorama	Background Paper Black 2.72 x 11m	Full width	£74.17	**£89.00**
26179	Colorama	Background Paper Chromakey Blue 1.35 x 11m	Half width	£45.83	**£55.00**
26180	Colorama	Background Paper Chromakey Blue 2.72 x 11m	Full width	£74.17	**£89.00**
26184	Colorama	Background Paper Chromakey Green 1.35 x 11m	Half width	£45.83	**£55.00**
26182	Colorama	Background Paper Chromakey Green 2.72 x 11m	Full width	£74.17	**£89.00**
26185	Colorama	Background Paper Cherry Red 2.72 x 11m	Full width	£74.17	**£89.00**
26197	Colorama	Background Paper Quartz 1.35 x 11m	Half width	£45.83	**£55.00**
26198	Colorama	Background Paper Quartz 2.72 x 11m	Full width	£74.17	**£89.00**
26222	Colorama	Background Paper Urban Grey 1.35 x 11m	Half width	£45.83	**£55.00**
26231	Colorama	Background Paper Urban Grey 2.72 x 11m	Full width	£74.17	**£89.00**
26199	Colorama	Background Paper Mist Grey 2.72 x 11m	Full width	£74.17	**£89.00**
26227	Colorama	Background Paper China Blue 1.35 x 11m	Half width	£45.83	**£55.00**
26228	Colorama	Background Paper China Blue 2.72 x 11m	Full width	£74.17	**£89.00**
27247	Lastolite	Paper Roll, Super White, 1.37 x 11m - 9101	Half width	£48.33	**£58.00**
27250	Lastolite	Paper Roll, Super White, 2.75 x 11m - 9001	Full width	£64.17	**£77.00**
27248	Lastolite	Paper Roll, Black, 1.37 x 11m - 9120	Half width	£48.33	**£58.00**
27259	Lastolite	Paper Roll, Black, 2.75 x 11m - 9020	Full width	£64.17	**£77.00**
27254	Lastolite	Paper Roll, Wine, 2.75 x 11m - 9006	Full width	£64.17	**£77.00**
27255	Lastolite	Paper Roll, Red, 2.75 x 11m - 9008	Full width	£64.17	**£77.00**
27256	Lastolite	Paper Roll, Arctic Grey, 2.75 x 11m - 9012	Full width	£64.17	**£77.00**
27262	Lastolite	Paper Roll, Flint, 2.75 x 11m - 9026	Full width	£64.17	**£77.00**
27272	Lastolite	Paper Roll, White, 2.75 x 11m - 9050	Full width	£64.17	**£77.00**
27273	Lastolite	Paper Roll, Ivory, 2.75 x 11m - 9051	Full width	£64.17	**£77.00**
27274	Lastolite	Paper Roll, Pebble Grey, 2.75 x 11m - 9075	Full width	£64.17	**£77.00**
27278	Lastolite	Paper Roll, Regal Blue, 2.75 x 11m - 9065	Full width	£64.17	**£77.00**
27280	Lastolite	Paper Roll, Chromakey Green, 2.75 x 11m - 9073	Full width	£64.17	**£77.00**
26230	Colorama	Background Graduated PVC 303 Smoke to White	1.1 x 1.7m sheet	£74.17	**£89.00**
26232	Colorama	Background Graduated PVC 316 Aqua to White	1.1 x 1.7m sheet	£74.17	**£89.00**
26233	Colorama	Background Graduated PVC 315 Sky to White	1.1 x 1.7m sheet	£74.17	**£89.00**
26235	Colorama	Background Graduated PVC 301 Black to White	1.1 x 1.7m sheet	£74.17	**£89.00**

BACKGROUND CLOTHS, POP-UPS AND VINYL

The attractive alternative to background paper is to use cloth – in curtain or pop-up form. Although more expensive to initially buy, most fabrics can be machine washed and last much longer. Of course, you could always make your own from cotton muslin, but the manufactured ones all come pre-sewn with a loop for the background crossbar to thread through. Both Interfit and Lastolite knitted backgrounds fit standard background pole systems.

POP-UP BACKGROUNDS

The range of Interfit Pop-Up Backgrounds covers all creative photo-taking opportunities with Muslin and Reversibles available. They come in a standard 1.5m x 2m (5 x 6.5 feet) and represent excellent value for money (almost half the price of the leading brand). Foldable into the circular bag, which is included in the price, the backgrounds are then tied with Velcro tapes when attached to the (optional) Interfit (COR780) stand to make them free-standing.
The Lastolite alternatives in the popular black and white reversible options are made in the UK, crease-resistant and come in larger sizes.

INTERFIT BACKGROUND CLOTHS

Interfit's range of quality material backgrounds improves any portrait studio shoot.
Their range of plain colour muslins are all washable, include a stuff bag, have a non-reflective surface treatment for better reproduction, and include a crossbar pocket on one edge. Available in two sizes, 2.9m x 3.0m and 2.9m x 6.0m, you should find they will look as good as new throughout years of use. With these cotton muslin cloths, you should use their COR 756 Support Stand or Lastollite's 1108 version.

LASTOLITE SUPER WHITE VINYL ROLL

You can use Lastolite's wipe clean Superwhite vinyl background over and over again. Just wipe away any dirt or footprints at the end of your shoot, then roll it back up ready for next time! It could not be easier. Supplied on a roll the same width as our standard paper backgrounds (2.75m) the Superwhite vinyl can easily be suspended using the Lastolite 1108 background support system. It is great for high key photography.

LASTOLITE PANORAMIC BACKGROUNDS CLOTHS

Photography, particularly if you are in a school or college, often involves taking group photographs. Trying to get more than three people successfully posed in the width of 2.72-metre backgrounds is almost impossible.
Lastolite has solved this problem by developing an ultra-wide Panoramic Background. Like their other backgrounds, it is crease-free and collapsible by use of its three-panel aluminium framework. Creating a useful self-supporting wraparound structure in three colours of Black, White and Chromakey Green, each one is 4 metres wide, 2.35m high, and a single person can assemble them. Each kit neatly folds down into its case for compact storage.

LASTOLITE 1108 STAND

Lastolite's 1108 background support is what we call our "universal background stand", and if you are using a variety of different backgrounds, then this is the one to buy. It's suitable for curtain backgrounds, paper rolls up to 3.0 metres and importantly is the only one (really) strong enough to take Lastolite's Superwhite vinyl.
The other thing we like is that they include a custom bag for both stands and the telescopic crossbar, which all fit neatly inside for easy storage or transportation. See page 134 for pricing.

BACKGROUND CLOTH, POP-UP AND VINYL

Code	Brand	Product		Ex VAT	Inc VAT
26736	Interfit	INT 505S Washable Background Cloth White	2.9m x 3.0m	£40.83	£49.00
26737	Interfit	INT 505L Washable Background Cloth White	2.9m x 6.0m	£74.17	£89.00
26738	Interfit	INT 515S Washable Background Cloth Black	2.9m x 3.0m	£40.83	£49.00
26739	Interfit	INT 515L Washable Background Cloth Black	2.9m x 6.0m	£74.17	£89.00
26740	Interfit	INT 525S Washable Background Cloth Chromakey Green	2.9m x 3.0m	£40.83	£49.00
26741	Interfit	INT 525L Washable Background Cloth Chromakey Green	2.9m x 6.0m	£74.17	£89.00
26778	Interfit	COR 780 Collapsible Pop-Up Background Stand	A lightweight light stand and clip	£24.17	£29.00
26783	Interfit	Collapsible Background 1.5 x 2m, Muslin, Grey		£45.00	£54.00
26784	Interfit	Collapsible Background 1.5 x 2m, Muslin, Blue		£45.00	£54.00
26786	Interfit	Collapsible Background 1.5 x 2m, Reversible, Blk/White	Pop-Up, Dual-sided inexpensive pop up background, 5 x 6.5 feet	£45.00	£54.00
26787	Interfit	Collapsible Background 1.5 x 2m, Reversible, Grey/Blue		£45.00	£54.00
26788	Interfit	Collapsible Background 1.5 x 2m, Reversible, Chroma Green/Blue		£45.00	£54.00
27026	Lastolite	Super White Vinyl Sheet Roll - 7761. For use with background 1108	2.75 x 6m length	£284.17	£341.00
27064	Lastolite	Collapsible Background, M, Black & White - 5921	Reversible, 180 x 215 cm, 6 x 7 feet	£189.17	£227.00
27065	Lastolite	Collapsible Background, L, Black & White - 6921. Chromakey	Reversible, 180 x 275 cm, 6 x 9 feet	£249.99	£299.99
27436	Lastolite	Panoramic Background, 4m, Black - 7621	Aluminium frame plus cover	£555.83	£667.00
27437	Lastolite	Panoramic Background, 4m, Green - 7622	Aluminium frame plus cover	£464.17	£557.00
27440	Lastolite	Panoramic Background, 4m, White - 7623	Aluminium frame plus cover	£555.83	£667.00
26754	Lastolite	Magnetic Background Support Kit - 1121. inc lighting stand & bag	Maximum Payload 5kg,	£137.50	£165.00
26759	Interfit	INT 142 EZ Drop Background Support System	Foldable Background Kit	£66.66	£79.99
26771	Interfit	INT 792 EZ Drop Background Cloth - Chroma Green for EZ Kit	Foldable + Chroma Green cloth	£20.00	£24.00

Please Note: Some imported items are suffering fluctuating stock levels. For certainty check before ordering.

Side tabs: Flashguns & Accessories | Lighting Panels | Portable Lighting and Copy Stands | Continuous Lighting | Studio Flash | Background Supports | Background Paper | Background Cloth | Studio Accessories and Lamps | Index

LIGHTING STANDS

Lighting stands come with universal fitting for all studio flash heads and even flashguns these days. We recommend Interfit who make their stands from high-grade aluminium with strong nylon reinforced collars and thumbscrews with solid brass head fittings. They are air-cushioned to give maximum protection to the lighting units fitted onto them ans spring loaded when it comes to the premium ones.

REFLECTORS

Every good photographer should have a reflector when you want to modify the light. Technically, umbrellas that come with a lighting kit are reflectors and perform this task, but most people think of standalone accessories when they think of reflectors. We sell a broad range of circular and square and many fold down to fit straight into a gadget bag due to their collapsible design. The three most popular reflectors are white, silver and gold each having a different effect on the lighting "colour". For a comprehensive selection of reflectors, we recommend the 5-in-1 sets from Interfit which come with or without accompanying stand and arm.

STUDIO ACCESSORIES

Code	Brand	Product		Ex VAT	Inc VAT
Triggers					
65018	Interfit	INT 412 Single Channel Radio System Set	Transmitter and receiver for all Interfit studio lights	£33.33	£39.99
25099	Elinchrom	EL-Skyport Universal Plus Set, 19370	Dual action radio transmitter & receiver	£112.50	£135.00
25105	Elinchrom	Remote Control Sync Cable with 3.5mm Plug	5m Sync cable for use with D-Lite kits	£25.00	£30.00
Leads & Connectors					
25585	Interfit	CIA330 Camera to Electronic Flash Lead, 4.5m	PC plug to 6mm Jack plug, to fire Stellar flash	£9.44	£11.33
25586	Interfit	CIA332 Sync Cord Small Plug, 3.5m	PC camera connection to standard mono jack	£9.44	£11.33
65025	Interfit	Speed Ring for Bowens® S-Mount		£18.33	£22.00
Lighting Stands					
26238	Interfit	COR 751 Lighting Stand Standard	Pneumatic, 104in height, 4 section	£33.33	£40.00
26307	Interfit	Premium Lighting Stand 3m	A large, high-quality, air-cushioned light stand. Perfect for most lights and larger modifiers	£53.33	£64.00
26308	Interfit	Premium Lighting Stand 4m	An extra-large, high-quality, air-cushioned light stand. Perfect for large lights and modifiers	£61.67	£74.00
Umbrellas					
26244	Interfit	U3TRSI Translucent/Silver Convertible Umbrella, 36"	90cm	£15.00	£18.00
26245	Interfit	U4TRSI Translucent/Silver Convertible Umbrella, 43"	109cm	£14.16	£16.99
26249	Interfit	UP3SI Parabolic Silver Convertible Umbrella, 41 inch	105cm	£24.99	£29.99
65120	Paterson	Softbox, LIT319, Heat Resistant	60 x 90cm for use with tungsten lights	£39.38	£47.25
65123	Paterson	Brolly, LIT310 Translucent Umbrella, 36 inch	For use with all lights tungsten or daylight	£16.10	£19.32
65124	Paterson	Brolly, LIT311 White Reflective Umbrella, 36 inch	For use with all lights tungsten or daylight	£17.85	£21.42
65125	Paterson	Brolly, LIT313 Silver/Black Reflective Umbrella, 36 inch	For use with all lights tungsten or daylight	£17.85	£21.42
Reflectors					
65013	Interfit	INT 267 Circular Reflector 32in, Silver/Gold	Reversible	£18.33	£22.00
65014	Interfit	INT 268 Circular Reflector 32in, Silver/White	Reversible	£18.33	£22.00
65015	Interfit	INT 274 Reflector Bracket	Fantastic arm and bracket for Interfit reflectors	£24.16	£28.99
65016	Interfit	INT REF5142 5-in-1 Reflector 42in	White, silver, soft sun, translucent & black reflector surfaces, incl. bag	£41.66	£49.99
65034	Interfit	FSBD41 Foldable Softbox & Beauty Dish with Grid 100cm	Simply folds open and closes within seconds	£82.50	£99.00
65038	Interfit	INT 273 5-in-1 Reflector Kit with Arm & Stand	Fantastic value, includes 5 reflector surfaces	£63.33	£75.99
27067	Lastolite	Collapsible Reflector Silver/White, 50cm - 2031	Reversible, collapses to 1/3 of its original size	£29.17	£35.00
27068	Lastolite	Collapsible Reflector Silver/White, 75cm - 3031	Reversible, collapses to 1/3 of its original size	£48.33	£58.00
Meters					
26183	Delta	Gray Card, 8 x 10-inch, with Zone System Guide	Determines exposure, 18% grey card	£11.66	£13.99
65017	Interfit	INT 410 Flashmeter	Incident and reflected, in 1/3 stops	£45.83	£55.00
17023	Reveni Labs	Light Meter	The world's smallet light meter	£112.50	£135.00
17024	Reveni Labs	Light Meter Hard Case	Hard case for your Reveni Labs Light Meter	£7.92	£9.50
17034	Reveni Labs	Spot Meter	Latest technology in a handy-sized spot meter	£199.17	£239.00
17021	Sekonic	L-208 Twinmate	Smallest incident and reflected, fits on camera	£99.17	£119.00
17022	Sekonic	Flashmate L-308X Light Meter	Best-selling, all-in-one light meter	£182.50	£219.00
Flash Tubes					
25092	Elinchrom	S-Flashtube, Plug-in	User replacable for Ranger Quadra, D-lite 2/4 and D-lite It	£58.33	£70.00
25068	Interfit	SINT 900FT User Replaceable Flash Tube, Plug-in	Fits Interfit F121 100w Heads	£10.83	£13.00
25069	Interfit	SINT 905FT User Replaceable Flash Tube, Plug-in	Fits Interfit F121 200w Heads	£15.00	£18.00
Modelling Lamps					
26069	Interfit	INT 038 Modelling Lamp for EX150 Mk2/3	75W / 100W self-replacement modelling lamp	£8.46	£10.15
65027	Interfit	INT 499 Modelling Lamp for Stellar	fits all Interfit Stellar units, 150w	£7.48	£8.97
65028	Interfit	INT 515 Modelling Lamp for EXD200	60w self-replacement for EX150 Mk1 and EXD200	£7.47	£8.97
65030	Interfit	INT 516 Modelling Lamp for F121	75w self-replacement for F121 100w /200w	£9.41	£11.29
23002	Lamps	Super Leuci Modelling Lamp, 100W	Replacement for Elinchrom, Prolinca, Lastolite	£7.14	£8.57
23003	Lamps	Photolux Halostar 64480 Modelling Lamp, E27, 250W	Replacement for most Bowen heads (halogen lamp)	£5.94	£7.13
Studio Lamps					
6001	Lamps	Daylight Bulb, 240V/100W BC	Helps assess colour prints	£3.16	£3.79
6002	Lamps	Daylight Bulb, 240V/100W, Screw fit	Helps assess colour prints	£2.91	£3.49
25564	Lamps	P1/1 BC Bayonet Photoflood lamp, 240v 275w	240v 275w	£3.50	£4.20
26514	Lamps	P2/1 ES Screw Photoflood lamp, 240V 500W	240V 500W - Replacement for Tungsten Heads	£8.25	£9.90
26521	Lamps	P2/1 BC Bayonet Photoflood lamp, 240V 500W	240V 500W - Replacement for Tungsten Heads	£9.58	£11.50
26541	Lamps	P2/13 Studio lamp, 240v 800w	Fits Redhead tungsten lamps	£8.93	£10.71
26565	Lamps	P1/1 ES Screw Photoflood lamp, 240V 275W	240V 275W	£3.50	£4.20
26068	Interfit	INT 036 Halogen Bulb 1000W 240V	1000 Watt for HL1000 & Stellar X Halogen (INT 189)	£16.62	£19.94
Fluorescent Lamps					
65114	Paterson	LIT008 Lamp, 30W. Replacement Lamp for LIT110	Daylight balanced, 150w output	£10.50	£12.60
65115	Paterson	LIT007 Lamp, 70W. Replacement Lamp for LIT110	Daylight balanced, 350w output	£18.90	£22.68
65116	Paterson	LIT006 Lamp, 135W. Replacement Lamp for LIT110/200/1	Daylight balanced, 675w output	£35.56	£42.67
65117	Paterson	LIT400 Lamp, 3300 lumens (500w)	LED replacement for 500w tungsten or daylight	£40.00	£48.00
26073	Interfit	INT 042 Lamp for F5, Super Cool-Lite 6 & 9, 32 W	Replacement Lamp, 32W	£13.99	£16.79
26078	Interfit	INT 034 Replacement Bulb for Super Cool Lite 28w	28w daylight bulb for all Cool Lite heads	£13.12	£15.74
26529	Lamps	Fluorescent ES Lamp, 240V 85W (8036)	240V 85W - screw alternative for tungsten heads	£26.79	£32.15