

SignUpdate

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Engineering The Perfect Print



Wide format engineering company VTS give some tips on getting the best from your printer

see Pages 26-27 inside



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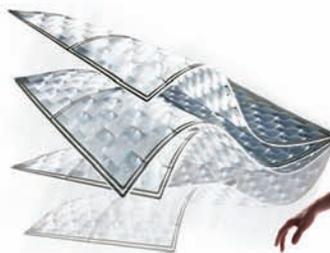
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WELCOME Page

An uncertain future

Following the shocking result of the EU referendum, the one thing everyone could agree on, was that we face an uncertain future. We are living in unprecedented times, with no clear blue print of what's to come, for our businesses or personal lives.

In our industry, there is virtually no distinction between UK companies and those in other European countries, as we all stock, supply, use and manufacture products for each other. Just look at the mix of European companies working together or alongside each other, at exhibitions such as FESPA and Drupa. There is no sense that being apart could produce the dynamic, innovative and growing industry we are in. Hopefully prudence and wisdom will win out and the economics will stabilise, with not too much negative impact on UK businesses. Hopefully.

In the meantime, we keep going and in this issue we cover direction in another sort of context. Wayfinding is an interesting area that uses behavioural science to create strategies that aid human navigation. One of the top wayfinding designers in the country explains a bit more about this complex topic in our wayfinding feature. We also look at some of the effective signage systems available for wayfinding schemes.

Our lighting feature covers the latest developments in LEDs and profiles those still making lovely neon lights. And there's a lot of happy making projects in that section, such as a giant 'living picture' made out of flowers; and a nostalgic project that celebrates the traditional signs of Milan in Italy. Prepare to be blown away too, by the large scale images of insects, showing microscopic details in high definition. No matter what mess politicians get us into, we can always celebrate and nurture creativity!

Of course if you want to just focus on the practical side of things, product news features lots of new goodies to distract yourselves with.

And hey, it's summer!

Till the next time....

Kathryn



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APA's new ultra matt films

APA's range of cast decorative films has new films: the Blue Ultra Matt anti-scratch self-adhesive film with a velvet effect. And Jaguar, the film with a realistic jaguar texture, for a "trendy animal touch".

Particularly suitable for permanent wrapping applications, they are easy to apply says APA. This is due to repositionable RepoTack-Air Free System adhesive, which helps to position the film and allows air ejection through micro-channels, without affecting its removal, even after a long time.

Cast films stand out for their "high conformability and thickness, which guarantees an excellent coverage and high mechanical resistance". Innovative and safe, these two new films are certified for reaction to fire (B-S2-D0 class), says APA.

"With the new Jaguar and Blue Ultra Matt effects, APA hits the nail on the head once again with unique and cutting-edge products," says a spokesperson.



APA's new Blue Ultra Matt cast film provides a velvet effect.



ASLAN's Ultra Tack is available in a matt version, and is suited to long term applications, as well as challenging surfaces.

New matt digital printing film with an extra strong adhesive

ASLAN Ultra Tack, the established digital printing film by the German manufacturer of self adhesive films, is also available in a matt version.

The polymeric self adhesive film UltraTack matt ASLAN DFP 08 with an outdoor durability of seven years, has a "very strong adhesive". So it is perfectly suited for all long-term applications on challenging hard-to-stick surfaces, says ASLAN. These include non-polar surfaces such as rough or uneven areas, as well as low surface energy materials, such as wall decals or plastic waste bins.

The matt film provides an "optimal" solution for applications in places where reflections need to be avoided.

The film's finish blends well with matt colours as they are used in UV inkjet printing. Due to an especially strong initial adhesive tack, the film can even be applied at low temperatures down to 5° Celsius (41° Fahrenheit).

A double-sided PE-coated silicon liner makes sure that the film has a high stability against moisture and warm temperatures and "guarantees a brilliant print result". The UltraTack matt ASLAN DFP 08 is printable with all major inkjet systems.

www.ASLAN-Schwarz.com.

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Arlon's Ultimate PremiumPlus™ Gloss Effects



Hornet Metallic is one of the new colours in Arlon's Ultimate PremiumPlus range.

Arlon recently launched eight Ultimate PremiumPlus™ Gloss Effects colours. The new colours are: Daytona Blue, Thundercloud Metallic, Hornet Metallic, Gunmetal Metallic, Bronze Metallic, White Metallic, Black Metallic and Metal Gear Blue.

This product has several new features such as: superior gloss retention upon stretch; improved repositionability during installation; and guaranteed conformability into deep channels. These features, combined with their unique automotive grade pigments and flakes, provide the most "paint-like finishes available in restyling films". Gloss Effects come with Arlon's Low Profile X-Scape Technology to allow for "easier repositionability and a bubble-free installation". With this addition to Ultimate PremiumPlus, Arlon offers a complete line of automotive restyling film that includes; Matte Effects, Matte, Satin, Gloss Effects, Candy Colors, Brushed, Carbon Fiber, Chrome and Chrome Effects finishes.

"The Gloss Effects formulation is an enhancement to Arlon's Automotive Restyling film for the most efficient installation and industry leading paint-like colours," says Holly Curtis, Director of Marketing, Arlon Graphics, LLC. "The gloss retention feature seen in the Ultimate PremiumPlus Gloss Effects provides the automotive industry with a gloss level unmatched in the market."

www.arlon.com

Avery Dennison introduces the "ultimate" wrapping solution

Avery Dennison is adding MPI 1105 Wrapping Series cast film to its range of high performance car wrapping films. The new material brings "more vibrant colour reproduction and easy, fast application to the most demanding vehicle wraps".

Oliver Guenther, marketing director, Graphics Solutions Europe, said: "MPI 1105 Wrapping Series give excellent printability across a wide range of digital inkjet printing platforms, such as latex, UV curable, solvent and eco-solvent inks. It gives installers 'stop-and-look' graphics performance, and the 3D capabilities, needed to make both strong design statements on personal vehicles, and powerful brand statements on commercial fleets. This material is also an excellent option for interior and exterior signage that needs an optimal combination of print quality and durability."

"I am very impressed with the new MPI 1105 Easy Apply RS. The material really stretches into deep corrugations and can be repositioned several times; the Easy Apply RS adhesive copes perfectly. Excellent whiteness also gives the film super bright and vibrant colours. The print quality is great

and confirms the MPI 1105 Series in its place at the highest level in digital media," says Huber Rigon, HR Design, Italy.

Easy Apply RS technology, with its inherent air-egress capability, means that installers will continue to benefit from rapid and

bubble-free application when using the new film. Low initial tack allows sliding and repositioning into place for exact graphics alignment, says the company.

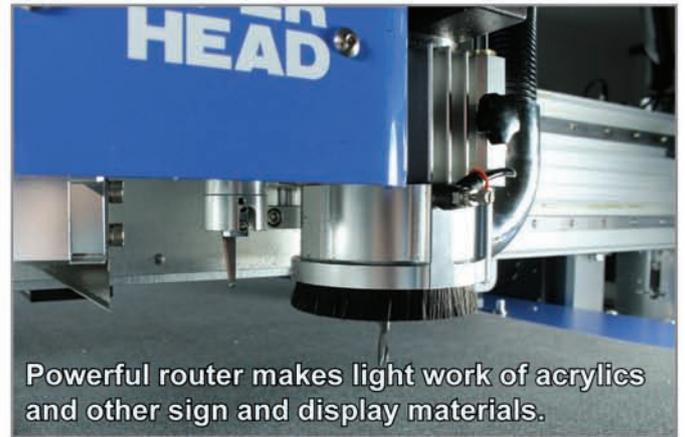
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HP adds chromatic red ink to DesignJet Z-series printers

HP Inc. has expanded its HP DesignJet Z-series of graphics printers with a 44-inch multi-roll printer; and their "most affordable" 24-inch graphics printer.

The HP DesignJet Z5600 and Z2600 PostScript Printers come with a six-ink printing system. This helps users cut costs by reducing ink consumption up to 20 percent, while still ensuring "crisp" colours. These devices offer HP chromatic red ink, which enhances the colour gamut, for high-impact point of purchase (POP) signs and posters, says HP.

"Our customers want colours that are vibrant, not muted; however they also need solutions that increase the colour gamut without excess inks," says Xavier Garcia, general manager, Large-Format Sign and Display Division, HP Inc.



The DesignJet Z2600 is HP's most affordable 24-inch graphics printer.

HP's most affordable 24-inch graphics printer, the new HP DesignJet Z2600 PostScript Printer saves up to 20 percent ink consumption using HP's optimised six-ink printing system

The Z5600 and Z2600 printers produce diverse applications efficiently, says HP, from signs and posters to maps and technical drawings. For greater line accuracy and colour reliability, HP Professional PANTONE® colour emulation is included with

Adobe® PostScript®/PDF, HP-GL/2. And smooth colour tones can be achieved thanks to HP Multi-Dimensional Smart Drop Placement Technology. This provides increased levels of colour accuracy and reliable operation of the printer, says the company.

HP's most affordable 24-inch graphics printer, the new HP DesignJet Z2600 PostScript Printer saves up to 20 percent ink consumption using HP's optimised six-ink printing system. HP Vivid Photo Inks, including chromatic red ink, deliver "high-impact images that leave a lasting impression".

Easy one-click printing

Both new printers include HP DesignJet Click printing software to "optimise time and simplify printing" by enabling one-click printing for all PDF, JPEG, TIFF, and HP-GL/2 files from a PC or Mac to the printers. The software helps cut media costs with features like nesting and file error warnings. And users can be more productive with real-time previews; along with driver less and multi page/multi-file PDF printing of posters; roll-up banners; CAD drawings; maps; and infographic presentations.



The DesignJet's can save up to 20 per cent ink consumption with the "optimised" six-ink printing system.

www.hp.com



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ORACAL® 970 Premium Wrapping Cast

Darker than the night, softer than velvet, which describes pretty accurately the look and feel you get with the new ORACAL® 970 Super Matt from ORAFOL, says the company. This new black material will complement the range, which already consists of standard matt and glossy finish versions.

"There is a big fashion trend right now for matt black cars; a trend which started in the US already some time ago; and we are seeing it in Europe as well. The more matt the better – and we have had many requests for a material even more matt than our standard one. We are therefore delighted now to welcome the new super matt film into our range," says Evelyn Zocher, Sales and Marketing Director of ORAFOL's Graphic Products Division.

The new black super matt film is available in both a standard version and a RapidAir® version.



New pastel colours

ORAFOL is introducing six new soft colours to the ORACAL® 631 Exhibition Cal and ORACAL® 638 Wall Art ranges. The new colours are all in soft shades of pastel, and come with a matt surface.

Both ORACAL product lines have been successfully sold for years, and these new colours are a great addition to the already extensive choice of colours, says the company.

www.orafol.com

Comfort and cost saving with new climate control film

A new climate control film from 3M helps to make sure that occupants of domestic, commercial and historic buildings "stay comfortable whatever the weather".

3M Thinsulate Window Film Climate Control 75 (CC75) has the capacity to both reflect heat in warmer weather and retain it when it's cold outside. This is due to the combination of Thinsulate invisible insulation, and solar reflecting technologies. When applied to a single pane, performance is close to that of a standard double-glazed pane; and application to double-glazing raises performance close to a triple-glazed pane.

Benefits also include savings in heating and air conditioning costs; protection from fading and prolonged life for furniture, carpets, upholstery and artwork; and its shat-



terproof qualities help to reduce the risk of injury if a window gets damaged.

3M Thinsulate Window Film CC75 offers a cost effective and easier to install alternative to replacing existing windows with double- or triple-glazing. Its virtually invisible appearance barely changes the appearance of the window, making it ideal for historic buildings where conservation requirements may mean that removing original glass is not an option, says the company.

3M Thinsulate Window Film CC75 is available from William Smith, with next day delivery available for full or part rolls on orders placed before 6pm.

www.williamsmith.co.uk



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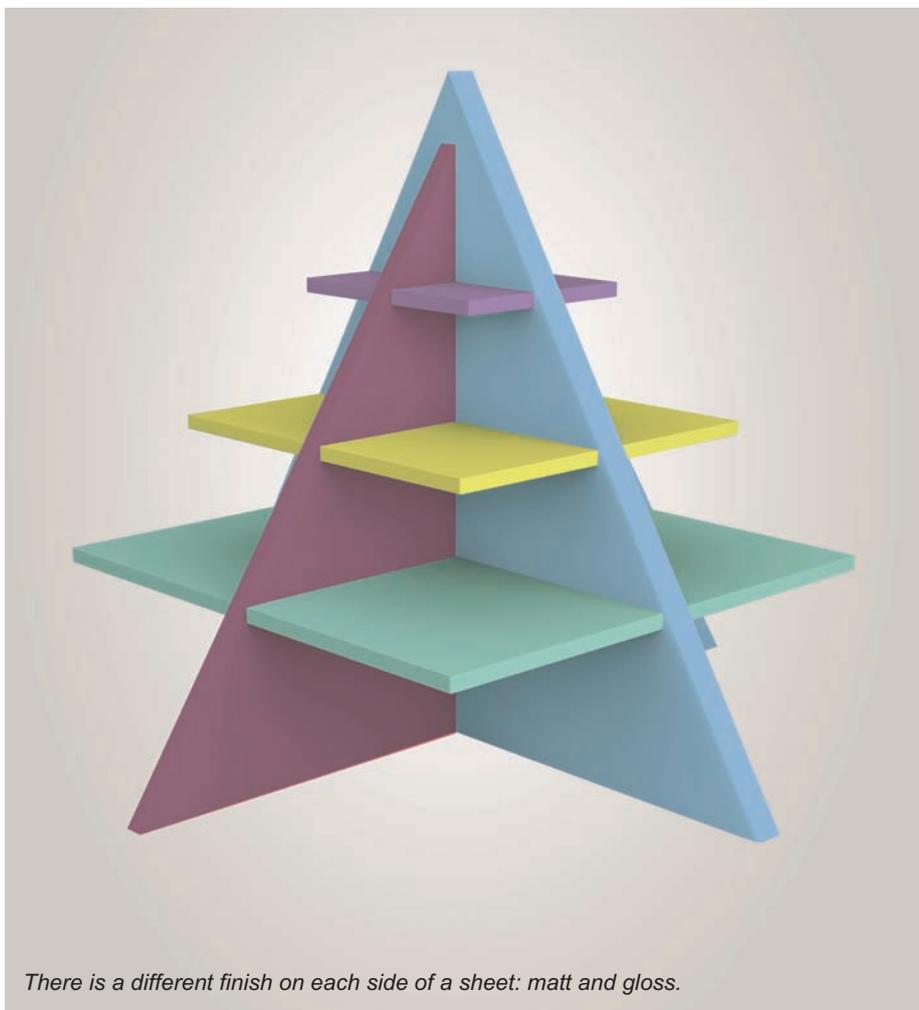
Pick and mix your favourite colour with new Perspex® Sweet Pastels

Perspex® Sweet Pastels is a newly developed cast acrylic sheet collection made up of eight pastel colours available from Perspex Distribution.

This selection of fresh colours are set to tempt sign makers and designers by offering a "pick 'n' mix of mouth-watering vibrant flavours from Lemon Bonbon to Parma Violet".

Eight pastel shades are available in a standard 3m x 2m sheet size with 3mm thickness. An additional benefit of each sheet is that it offers the best of both worlds, with a different finish on each side offering both matt and gloss surfaces all in one sheet, says the company.

"All eight colours were specifically developed with bright signage and retail display in mind; lightweight and easy to install for pop up displays, yet strong durable and hard wearing those more demanding interior needs,"



There is a different finish on each side of a sheet: matt and gloss.



The new cast acrylic sheet collection in eight pastel colours.

These unique colours have been developed within the Perspex® colour lab in Lancashire, and all sheets are manufactured in the UK. Technical experts within the colour lab will produce colour matches based on Pantone, light source and end application.

Perspex® Sweet Pastels have all the physical properties of their standard cast acrylic sheet. "All eight colours were specifically developed with bright signage and retail display in mind; lightweight and easy to install for pop up displays, yet strong durable and hard wearing those more demanding interior needs," says a spokesperson.

Samples are available upon request.

www.perspex.co.uk/sweetpastels

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Roland DG introduces fluorescent ink

Roland DG Corporation recently launched fluorescent ink specifically formulated for its Texart XT-640 and RT-640 wide-format dye-sublimation printers.



The new Fluorescent Yellow ink can be combined with Roland's Texart process colours to produce hundreds of fluorescent hues.

Developed specifically for dye-sublimation transfer printing, Texart printers deliver "outstanding" print quality and productivity for sportswear, fashion, soft signage, decor and promotional merchandise. The new inks, Fluorescent Pink (Fp) and Yellow (Fy), can be combined with Roland DG's Texart process ink colours to produce hundreds of vivid fluorescent hues. The proprietary Roland DG Fluor Color Library swatch palette can be installed in Adobe® Illustrator® and CorelDRAW® for ease of use and colour customisation. You can click the desired colours in the swatch palette, which allows you to quickly and easily incorporate brilliant and pastel fluorescent colours into your dye-sublimation output, says the company.

According to Yuko Maeda, from Roland DG, the new fluorescent inks will be available mid-July 2016 in a configuration of CMYKOrViF-pFy for the Texart XT-640 and RT-640 printers, with ErgoSoft Roland Edition software RIP. Yuko Maeda said: "We believe



The Fluor inks can be installed in Adobe® Illustrator® and CorelDRAW®.

the addition of Fluor Ink will not only enhance the versatility of our Texart printers, but greatly expand textile printing possibilities for our users, especially for sports and fashion apparel."

www.rolanddg.co.uk

Specialist wood processing tool

XYZ International has introduced a new specially designed tool for processing solid and particle woods, such as MDF and laminates, used in outdoor signage applications. It's called the Marathon Compression Tool, and is available from their online CNC Routershop division for 24/7 next-day delivery.

The Marathon Compression Tool has an advanced cutting geometry. It is supplied in a choice of diameters and lengths to accommodate different material processing requirements. Its unique coating has been specially formulated to protect the cut edge from the high temperatures generated during the routing/cutting process.

The combined upwards and downwards spiral geometry of the tool, makes sure there is a clean edge finish on both the top and bottom surfaces of the material. This is especially significant if chipping of double-

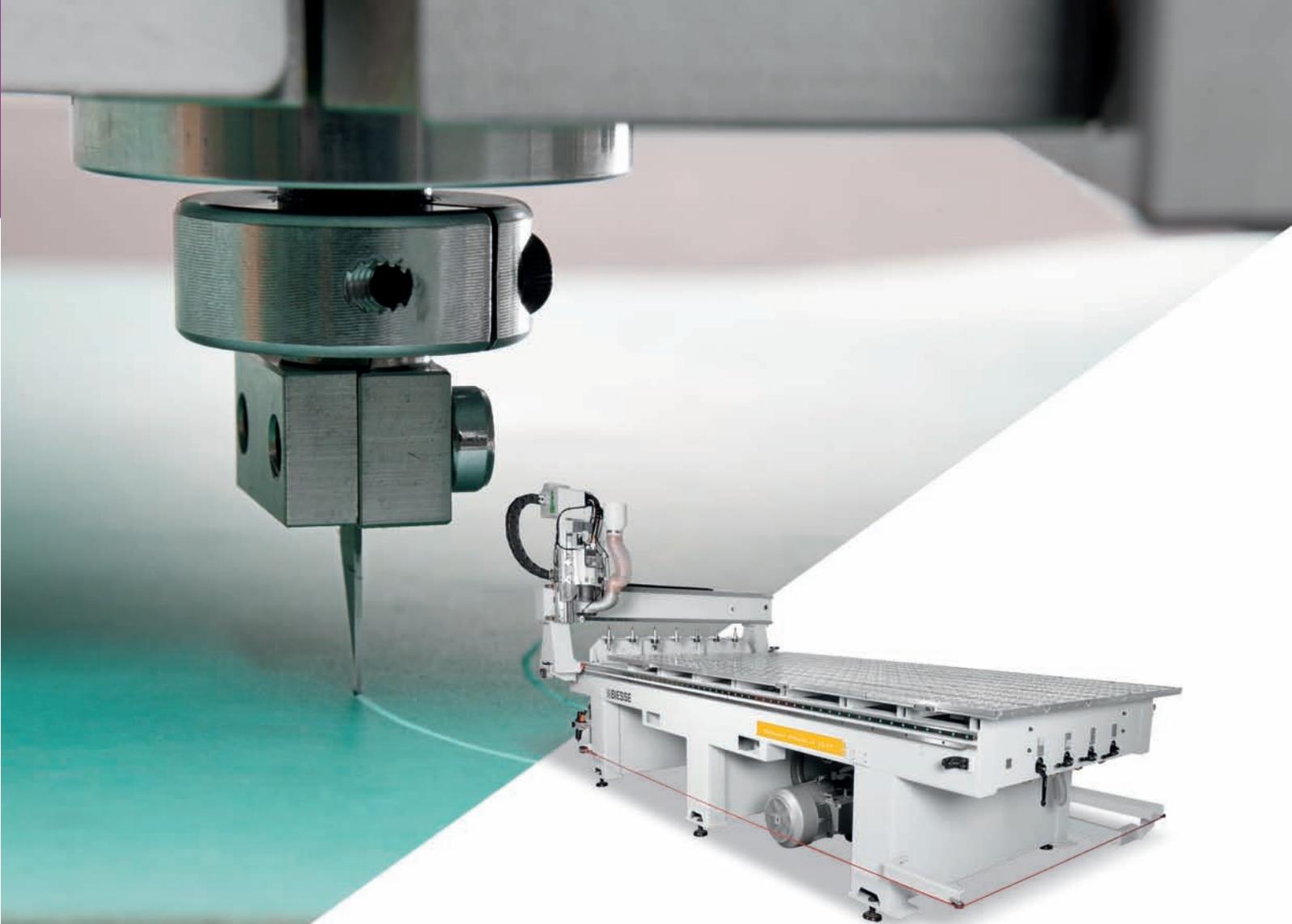
sided laminates is to be avoided. Or when processing natural woods, where edge-finishing could present a problem, if alternative standard spiral tools are used.

The Marathon Compression Tool further extends the range of routing/cutting, spare parts and accessories solutions provided by the CNC Routershop facility. These solutions are continually supplemented through XYZ International sourcing the most advanced products from European suppliers. They include high-quality router bits, collets and cones, all of which are compatible with various spindle types; oscillating and tangential knife blades; and/or special-purpose tooling. These tools also be used with virtually any other make of machine, regardless of type and country of origin.

www.cncroutershop.com



The Marathon Compression Tool from XYZ is available from their tooling website, CNC Routershop.



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Record orders for Sagetech

Sagetech, the British manufacturer of vertical panel saws, had a record order intake at Sign & Digital UK this year.

More sign makers are recognising the benefits of in-house cutting, compared to having materials pre-cut, says the company.

Because of the "inevitable dependence on the quality of the supplier, and the hidden overheads of originating and monitoring the requirements for each customer's order".

Sagetech saws offer a number of advantages over the guillotine type systems,

with greater scope for cutting a wider range of materials, says the company. For example the thicker acrylics, and material such as solid aluminium. Sagetech even demonstrated successfully cutting a piece of 10mm thick aluminium at the show, having only shortly before cut a piece of Corex for a fellow exhibitor on the same machine!

Sagetech Limited, who specialise in vertical panel saws for the smaller business, offer four ranges of single phase machines. The Zapkut brand is for lighter duties; starting with the unique ZK8 portable

unit, which when not in use can be folded up compactly and stored. The Zapkut ZM range, recently significantly upgraded, is also suitable for cutting signmaking materials, but will handle heavy duty such as MDF or chipboard. The Koolkut brand is for those needing a heavier duty machine, where the KF and KK Koolkut units offer capacities up to 3.1 x 2.1M. So these are capable of handling the big acrylic sheets which usually come in 3 x 2M sheets.

www.verticalpanelsaw.co.uk



Sagetech's range of vertical panel saws are proving popular with those looking for an in-house cutting solution.

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The revolutionary Easymount Air features 30mm mounting thickness for even more applications and at 10m a minute, is over 50% faster than most other wide format laminating systems.



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New products for vehicle wrap and interior decor applications

Spandex has added to its product portfolio with four new vehicle wrap films from Avery Dennison, 3M and Orafol, as well as an Avery Dennison wall film. All products are available for next day delivery.

3M Wrap Film Series 1380

The next generation of 3M wrap film, the 1380 series, is a range of conformable, long-term cast films designed for solid colour vehicle wrapping, which does not need additional graphic protection.

The series is available in 14 colours and provides "excellent conformability" for applications on recesses and deep chan-

nels. Available in 1.52-metre wide rolls, the films allow almost any section of a vehicle to be wrapped without seams.

Oracal 970 Premium Shift Effect Cast

Five new shades of the Oracal 970 Premium Shift Effect Cast films, are also being added to the company's existing range of shift effect films. The films, which change colour depending on the viewing angle, have been specially developed for car wrapping. The new colours come in pearl symphony, avocado, amethyst, aquamarine and ultramarine violet, in either a gloss or matt finish.

Avery Dennison transparent coloured over laminates

Three new transparent coloured over laminates for Avery's Conform Chrome films in orange, purple and green are being introduced. Using these new over laminates, vehicle wrappers can create "exciting" colour combinations and effects by combining with the existing Conform Chrome films in silver, gold, blue, red and black.

Avery Dennison MPI 1105 Wrapping Series

Avery Dennison's MPI 1105 wrapping series is Spandex's latest launch for vehicle wraps and other challenging applications, which offer "excellent printability and image quality". With its 3D conformability the film can cope easily with the most demanding corrugations, says the company. Compatible with UV, solvent, eco-solvent and latex inks, the films make use of the Easy Apply RS adhesive technology for easier installation.

Avery Dennison MPI 8000 Wall Film Series

Adding to Spandex's range of interior décor solutions is the new Avery Dennison MPI 8000 Wall Film Series. Available in six different options including three textured films – canvas, stone and stucco, the series will help sign makers create custom wall graphics for short and long-term applications.

"As the house of brands, Spandex is able to offer the latest products across a range of brands, so sign makers and graphics producers can find the best solution for their individual applications," says Leon Watson, Spandex UK General Manager.

"These latest additions to our portfolio reflect the dynamism and growth in the market for innovative and stand out products, especially in vehicle wrapping and interior décor. The wrap products in particular will help vehicle wrappers create truly bespoke and eye-catching designs."



There are 14 colours in the 3M Wrap Film Series 1380, available from Spandex.

www.spandex.com

New chalkboard film by NESCHEN

NESCHEN's new easy dot® chalkboard black decorative print media, can be printed on and written on with dry or liquid chalk. It is coated with a solvent-free and water-based adhesive of DOTEQ technology.

Like all other products of the easy dot®-family, the black board film can be applied without bubbles and creases, due to the adhesive dot coating with solvent-free

and water-based adhesive developed by NESCHEN. The adhesive dots allow the user to reposition the film any time, and to remove it from almost all surfaces without leaving any residue. The new film will be available in roll lengths of 10 m and 30 m at a width of 137.2 cm.

www.neschen.com



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Graphtec GB introduces new digital die cutter

Graphtec GB, who supply flatbed plotter/cutters, has added the i-Mark automatic digital die cutter to its product portfolio. The machine is based on the popular Graphtec CE6000-40 plotter/cutter and i-Mark hardware and software.

The die cutter can be used for a range of print and cut applications, such as digital prints and packaging, and will handle sheets of material of varying thicknesses and sizes, from A4 up to Super A3 (330 x 483mm).

One of the unique features of the die cutter is that, depending on the thickness of the material being processed, it can handle up to 120 sheets of material in a continuous cycle. And has the ability to add further sheets as required without interrupting the cutting process. This is a capability that Graphtec GB sets the die cutter apart from any comparable sheet-fed system, according to the company.

The cutter comprises three main components: sheet feeder, cutting unit and collection tray. The compact footprint of the cutter enables it to be mounted to a table as small as 60 x 67cm. The machine allows contour-cutting of printed sheets without operator intervention. It is equipped with an internal vacuum compressor to remove the need for an external air supply connection.

Precise sheet alignment is achieved via crop mark reading for each individual sheet, with a camera equipped with i-Mark technology performing the crop mark adjustments quickly. Software algorithms compensate for any distortion from the printing process to enable precise cutting with minimal bleed. There is also an option to cut perforated lines during file creation.

Heavier material cutting is possible on board up to 350gsm, as well as the kiss-cut cutting option for adhesive sheets. The cutting blade is designed to accommodate two different cutting modes and works by an opening that protects the blade from wear during the cutting process.

www.graphtecgb.co.uk



PRODUCT News

ITC extends market reach with long series PCD tools

Industrial Tooling Corporation (ITC) Ltd has once again extended its Cyber Series of cutting tools in line with the demands of the marketplace, says the company. The Tamworth manufacturer has launched its new 2151 Cyber Series range of end mills for the machining of graphite, glass and carbon fibre composites.

To meet the demands of the industry, their research and development team developed the two flute end mills for the machining of difficult to reach features on abrasive components. With graphite, glass fibre and

carbon fibre components and assemblies becoming more prominent in various sectors, the extra long length 2151 Series aim to improve accessibility to hard to reach surfaces.

The 2151 Series is manufactured from a solid carbide micro grain shank, "improves rigidity and reduces vibration" when machining faces and features in deep cavities. With an overall tool length of 150mm, this ability to minimise vibration and chatter, improves surface finish whilst enhancing the tool life, according to ITC. This tool rigidity enhances

the edge chipping resistance of the PCD cutting edges.

The geometry and design of the 2151 Series permits centre cutting whilst demonstrating "impressive" heat dissipation characteristics. The new range is available with the choice of an 8, 10 or 12mm diameter with a length of cut from 10 to 12mm. To maximise rigidity and cutting performance, the 2151 Series is provided shank diameters of 8, 10 and 12mm with a maximum reach capability of 40 to 45mm, depending upon the chosen diameter tool.



EFI Fiery JobFlow automates job processing

EFI has released the latest version of EFI Fiery® JobFlow™ software, a product that brings a "new level of job preparation automation" to Fiery Driven™ environments, for print operations of all sizes.

Fiery JobFlow software gives print professionals the ability to submit and process similar jobs with a single click, as opposed to 10-20 clicks, says the company. This is done by automating the manual job preparation steps required for

the initial setup of a job into a workflow. Today, approximately 50 per cent of brochures, business cards and direct mail are manually prepared by digital print shops. These job types typically require pre-flighting, imposition and a soft proof creation, and each of these steps can take about 15 minutes. Using Fiery JobFlow automated workflows can reduce the overall preparation time to two minutes or less per job, according to EFI.

"The product can be up and running in hours, not days, without additional integration costs. As a result, users can immediately begin taking time and touches out of the job preparation process, producing more jobs with the same staff and equipment. The software greatly simplifies the process for producing print-ready files even for complex jobs," says a spokesperson.

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Add another dimension to your display print with ReTac Textures

Drytac Europe has launched ReTac® Textures film for textured graphics applications. ReTac Textures is a 150µ (6 mil) printable, matte white polymeric PVC film with ReTac ultra-removable adhesive. It comes in two embossed finishes, Linen and Canvas, which "add depth and visual appeal" to static, flat graphics.

ReTac Textures is flame resistant and compatible with (eco) solvent, UV and latex printing technologies. Drytac says it's ideal for custom wall murals, interior décor, retail displays and trade show graphics.

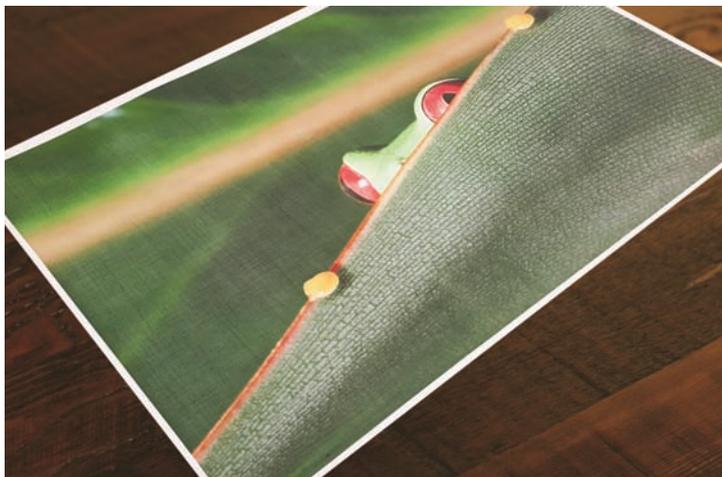
The key to the new film is the ReTac adhesive on the back. Drytac's ReTac technology is "superior" to standard removable adhesives as it can be cleanly removed and repositioned multiple times.

Steve Broad, Sales Director for Drytac Europe, said: "When creating a piece of artwork, we typically give great importance to layout, colour and typography. What often gets forgotten, particularly in the field of wide-format display print, is texture. But texture adds visual interest. It is a crucial ele-

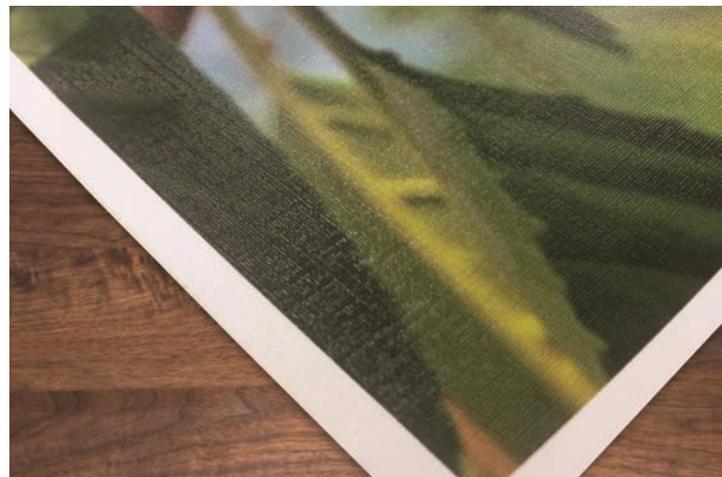
ment to the overall effect of a graphic as it makes a print stand out; engages the interest of the viewer for longer; and increases the perception of quality.

"As such, we're very pleased to add ReTac Textures to our product portfolio. It is ideal for customers wanting to create eye-catching graphics in home, business, retail and display environments, which can be easily applied and easily removed."

www.antalys.co.uk
www.drytac.co.uk.



The canvas finish ReTac® Textures film.



The linen finish ReTac® Textures film.

New latex printers from HP

HP Inc recently launched their Latex 500 Printer series and Latex 1500 Printer, to help medium-to-large sign and display print service providers "enhance productivity and pursue application growth areas at an affordable cost of entry".

"Many medium-to-large sign and display print providers are looking for solutions that can handle higher-production volumes and enable access to profitable applications," says Xavier Garcia, general manager, Large Format Printing division, HP Inc. "The HP Latex 500 series and 1500 Printer set new performance thresholds at a lower up-front investment; helping customers meet peak production demands to keep jobs in-house as well as capture growth application opportunities such as indoor and outdoor backlit signage."

The device also features the productivity benefits of third generation HP Latex technology, delivering prints that are completely dry and scratch-resistant immediately after printing.

New features of the Latex 500 Printer series:

- More unattended printing with a new spindle-less pivot table and automatic skew adjustment to load rolls in one minute or less, heavy-duty roll handling of rolls up to 55 kg (121 lbs.)
- Print speeds up to 23 m²/hr (248 ft²/hr) at indoor mode.
- Highly-saturated prints using new vivid print modes with 50 percent more ink density, also featuring a new wiper roller accessory for "high-quality" results on low cost banners and self-adhesive vinyl.
- The ability to perform all tasks in front of the printer, including media and ink cartridge changes, doubling available workspace.

The HP Latex 1500 Printer

The 1500 printer offers a robust, affordable super-wide printing solution, providing fast turnarounds on a range of indoor and outdoor applications, such as PVC banners, self-adhesive vinyl, textiles and double-sided prints, says HP.

Printing at speeds up to 74 m²/hour (800 ft²/hr) in outdoor production mode, and up to 45 m²/hour (800 ft²/hour) in indoor mode, the printer maintains quality prints with 1200 dpi HP Thermal Inkjet printheads, auto nozzle replacement, an optical media advance sensor (OMAS) as well as an embedded spectrophotometer. The device also features the productivity benefits of third

generation HP Latex technology, delivering prints that are completely dry and scratch-resistant immediately after printing.

HP says that the HP Latex 1500 Printer helps PSPs reduce running costs and stay in control for both long and short runs, achieving more unattended printing with cost-effective five litre HP ink cartridges; an accessible print zone that features LED lighting for easy loading; as well as an internal print server and a status beacon that enables at-a-glance production monitoring.

Customers can also select from a variety of add-on options with the flexibility to only install the features that address their business needs, such as:

- A dual-roll kit, which maximises productivity and unattended production on vinyl and other media up to 1.6 meters (64 inches).
- In-line slitters that simplify post-processing by slitting output while printing.
- A roll-to-freefall kit, which allows users to start finishing initial prints while the job is still in progress.
- A double-sided day-night kit that enables users to automatically print double-sided backlit applications for color-accurate outdoor advertising displays in any light, frontlit or backlit.
- An ink collector kit for porous substrates such as textiles and mesh banner.

www.hp.com/go/Latex



*The HP Latex 1500 Printer is expected to be available by July 2016.
And the HP Latex 500 Printer series is expected to be available by August 2016.*



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New Digital HP Indigo One Shot certified from PRIPLAK®

Priplak has developed and launched a product specifically designed and certified for digital printing, using HP Indigo 'One Shot Colour' technology. This Indigo technology allows colour separations to be accumulated on the blanket and transferred to the substrate in a single pass. This, they say, produces perfect registration, even on the most heat-sensitive materials.

New Priplak Digital for HP Indigo One Shot printing, "recognises the growing need for a multi-application, strong synthetic media adapted for digital electro inks that is environmentally friendly". It is directly printable with excellent colour reproduction due to its unique surface characteristics, says the company. This new sheet is tear and impact resistant, and easy to convert after printing using die cutting, punching, gluing and stapling techniques. Priplak Digital for HP Indigo is available in a ream wrapped SRA3+ (320 x 464mm) sheet size.

Manufactured from Polypropylene, it's up to 35 per cent lighter than other synthetic substrates, such as PVC, PET and Polycarbonate. It contains no harmful additives and is fully REACH compliant. To complete its impressive environmental credentials Priplak Digital for HP Indigo is 100 per cent recyclable.

Priplak Digital for HP Indigo is available in five product variants:

- Backlit 300µm (273) specifically designed for illuminated signs and backlit posters.
- Izilyss Natural 350µm (318g) translucent appearance with surface treatment for one side printing.
- Izilyss White 350µ (318g) offering standard opacity with surface treatment for one side printing.
- Izilyss Opaque 280µm (290g) for increased opacity and surface treatment for two sided printing.
- Izilyss Opaque 440µm (410g) offering high levels of opacity with surface treatment for two sided printing.



Priplak Digital for HP Indigo is up to 35 per cent lighter than other synthetic substrates, says the company.

www.antalisc.co.uk
www.ppb.uk.com

MASTERCLASS

Engineering the perfect print

VTS can provide "engineering expertise, optimise colour profiles and supply high quality ink to give you the best possible print".

VTS Ltd was founded in 2009 and specialise in providing warranty packages and repairs for Roland, Mimaki and Mutoh printers. They are based at Holton Heath near Poole and has customers as far north as Newcastle.

Over the last seven years they have seen all sorts of problems with printers.

Some have been easy to fix; some have been expensive and time consuming; and some look like a problem with the printer, but are something completely different, says the company.

VTS tell us about some of the most common ones and provide a few tips on how to solve them.

Banding issues

This is the most common reported fault and can be one of the easiest to sort out.

The printer software relies on the printer laying down a regular pattern of ink droplets that will dry before the next set of droplets arrive. This can go wrong if:

- The heaters are not set correctly
- The printheads are not laying down the correct pattern due to deflections
- The calibration for feeding the material is wrong
- The bi directional and other head settings are wrong
- The ink is not drying correctly



Engineering and colour combined



Use a good quality ink with a long shelf life

You may need to get the printer adjusted to correct this, but in most cases it is an adjustment that can be done by the customer.

If you have narrow dark banding lines, check the ink is drying correctly. We have had problems with ink when it gets old. After researching the problem for two years, we have found that 18 months after manufacture inks start to deteriorate. This can cause drying problems; it can also give nozzle deflection which can lead to banding too.

Printing greys

Each printer has its own unique characteristics and may need to be profiled to give the correct colours. Quite often the standard profile will be good enough for most print work, but won't give you a good grey.

The existing profile can be optimised by using special equipment; this looks at all the colours and adjusts them to the correct values. Each media you use needs profiling to give the best results. So far we are only able to offer this service to customers that use Versaworks. Most of the profiles from the leading media manufacturers are very good so try using these. And compare them to the generic profiles supplied with the printer software.

In most cases the standard profiles can be optimised easily to give very good greys.

You can also "tune up" the printer by adjusting the heads and head height to a very fine tolerance, giving the best possible quality.

Alternative inks

We have always been asked what ink to use. OEM is always the best option but can be expensive if you do a lot of printing.

There are several after market inks available on the market, most of which have had very bad press in the past. This has led to most of them having to raise their game.



Most of them now are a viable alternative to the OEM, but be careful. If you are not using the printer very much the cost savings may be small; and make sure it is fully compatible with your printer. Ask around and get some feedback from other users of that brand.

When ink gets old

We started to identify problems where the age of the ink installed in a printer was over 18 months. This included nozzle deflection, white spots and streaks, and poor drying.

This can be a real issue if you are a low volume printer and keeping a lot of stock on the shelf. The cartridges may go out of date before you are able to use them.

After a few problems ourselves, we wanted to find a reliable alternative and asked around.

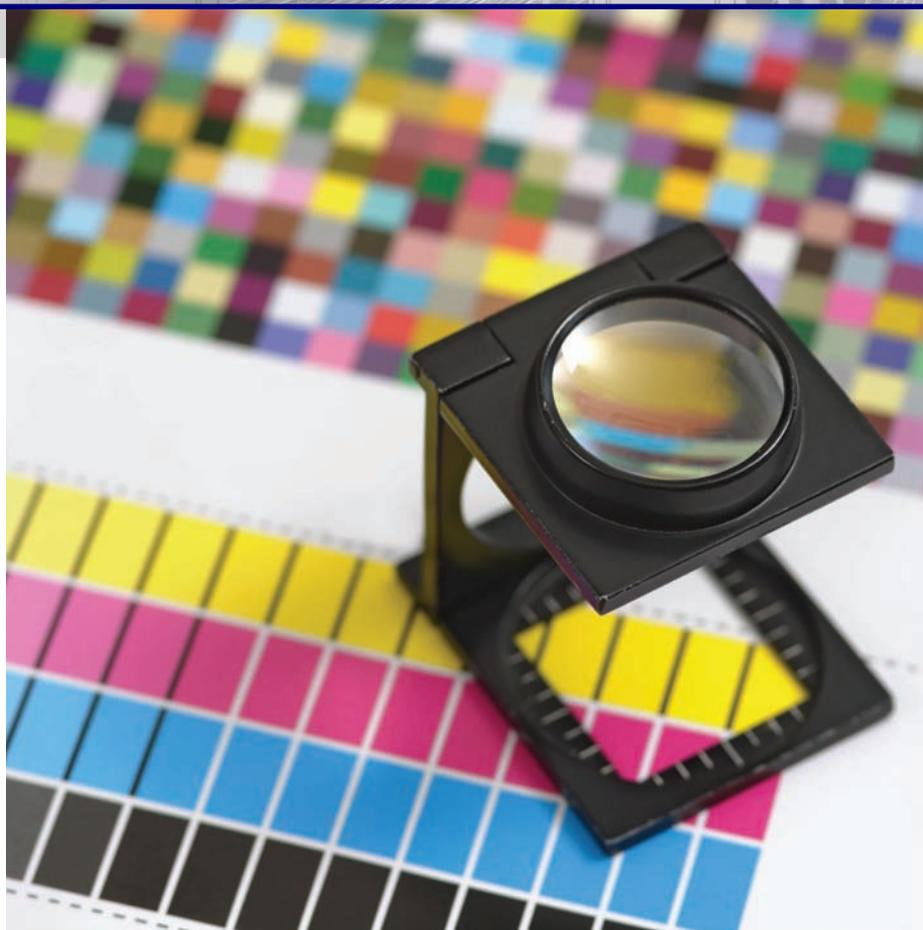
The Streamline brand came highly recommended, with some very good reports of the quality from the customers using it.

We liked the fact it had a clearly marked use by date; it is made in the UK so there is a short supply chain, giving it a very long shelf life. It's made by Sun Chemical one of the largest manufacturer of ink in the world, and who make inks for a wide variety of brands of printer. It is also Greenguard certified and matched to OEM for colour.

After two years of testing we were confident enough to recommend it to our warranty customers. We wouldn't recommend anything we are not sure of, as we will have to fix any problems that may occur. About 90 per cent of our warranty customers use Streamline ink, and the problems we were getting have dramatically reduced.

Drifting blurred print

This is a common issue on all printers. The printer uses a long encoder strip to measure the distance it has printed on each pass. If there is any dirt or dust on the strip, the printer can get the numbers wrong and will move more or less than it should each pass. This causes the print to wander back and forwards up the sheet, and have a blurred appearance.



Optimising profiles can give better grays and light colours

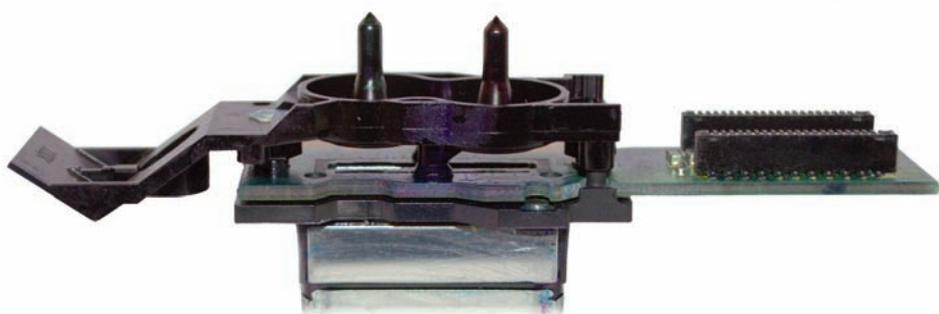
Sometimes this can be corrected by wiping the strip with a soft cloth. If this does not help then a special fluid can be used or the strip will need changing. Sometimes the reader that scans the strip can be faulty; this cannot be cleaned and will need to be replaced.

Check the heads

Quite a few problems may just be due to dirty printheads. Do a nozzle test print (the user's manual will tell you how to do this). If there are gaps of deflected nozzles, manually clean the head with the correct fluid for the ink you are using and a foam swab. If you are getting drips of ink at the end of each pass there may be a fibre stuck to the head; this may also drag across the print causing small lines. It is usually a good idea to clean around the edge of the heads once a week, this helps to prevent fibres sticking and helps the wipers to work properly.

If everything is adjusted well and you are using good media, a good profile and good ink, the print will as close to perfect as you can get, giving an extra "wow" factor to show your customers.

If you have any issues that you want to talk to us about we will always try and resolve them over the phone. There is no charge for this and quite often it is something simple that does not require a visit. Please email any pictures that you have showing the problem.



Keep printheads as clean as possible to prevent hairs and fibres dragging across the print

01202 630091 or repairs@vts-service.co.uk

Stanford Marsh installs UK's first HP PageWide XL 5000 printer

Stanford Marsh, one of only three UK vendors that supply and service HP's new PageWide XL Series of products, has installed the UK's first HP PageWide XL5000 printer at Go Cre8.

Founded in 2003, Go Cre8 is a multidisciplinary design and print company and provides professional services in design, print, display and new media.

The company initially heard about HP PageWide technology at the start of 2015 and decided to visit Sign & Digital UK last spring to find out more. At the show, Go Cre8's project manager Paul Lin met with Stanford Marsh's Julian Mennell on the HP stand, and discussed how the companies could work together.

Paul said: "We wanted a fast, cost-effective poster printer and, from what we were reading, the HP PageWide XL technology seemed to fit the bill. We wanted to increase productivity, whilst freeing up our Océ Arizona flatbed printer for more profitable work.

"We're very happy with our Arizona printer as it's cost-effective to run on the roll to roll setting. However, it was slower when using the roll option – 17 square metres per hour compared to roughly 450 square metres per hour on the PageWide. And this meant we had to run poster jobs overnight which wasn't ideal."

In contrast, the HP PageWide XL 5000 Printer provides "fast, powerful and efficient" monochrome and colour prints in a single device, with up to 30 percent savings in total production costs. It provides companies such



GoCre8's Paul Lin with the new HP PageWide XL5000 printer.

as Go Cre8 with the ability to cost-effectively produce posters at speeds of up to 14 AO size posters a minute.

Stanford Marsh's Julian Mennell said: "Having taken the time to understand Go

Cre8's requirements and the competitive market in which they operate, it was refreshing to be working with a company that had the vision to be early adopters in PageWide technology. Go Cre8 is well-versed on the technical side and knew what they wanted; it was down to us to facilitate supplying a solution that would meet these needs."

Stanford Marsh is working alongside Go Cre8 on an ongoing basis and continually developing new materials for use in the HP PageWide XL 5000 Printer. Go Cre8 recently required a blue back product which Stanford Marsh was able to source and convert for use in the PageWide machine.

Julian said: "Our media development for PageWide technology continues, and we have recently successfully tested high volume canvas printing with outstanding results. The potential for HP PageWide technology is massive."

Matthew Perkins, Director at Stanford Marsh, said: "The HP PageWide marks a significant change in the wide-format graphics arena. As well as working with Go Cre8, we've been working with a client in the UK who has invested in four fully-configured HP PageWide XL 8000 Printers, to meet an incredible estimated volume of 4 million printed square metres per annum!"



GoCre8's Paul Lin (L) with Stanford Marsh's Julian Mennell (R), alongside the new HP PageWide XL5000 printer.

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PRODUCT Choice

Practical Minds finds the solution to in house cutting and finishing

Practical Minds has this year invested in a Versa Tech cutter from UK manufacturer Blackman & White, to add value for clients throughout the UK and EMEA.

The Versa Tech, with 3000 x 2000mm cutting bed, was installed in February 2016. It's allowed the company to complete cutting and finishing processes for their print and plastics division that previously had to be carried out by outside suppliers.

Managing Director, Andy Winstanley, said: "The Versa Tech has added another string to our bow, as well as help us offer a quicker turnaround when working with materials such as card, acrylic, MDF, vinyl, foamex and Dibond.

"Having the cutter in house allows us to guarantee the quality of finishing that our customers expect, within the time scales they demand."

Andy has been in the shop fitting industry for over 30 years, working for 10 years as a joiner before branching out into CAD design and project management within retail and exhibition sectors, for companies

such as Harrods, Nike and Timberland.

Andy formed the company in 2008 and has seen it flourish and increase its team from three to more than 25 by ensuring they deliver "excellent quality and service on all projects – something that has been greatly improved by bringing the finishing in-house".

He said: "We looked at other manufacturers but decided on the Blackman & White Versa Tech because we were so impressed by both the machine and the team behind it. "Having easy access to servicing and support direct from a British manufacturer is fantastic, and our experience with the Versa Tech so far has been great.

"The quality of installation was excellent and we even ran real jobs during training; including producing inlaid and curved laminates, used for a major tourist attraction on behalf of Merlin Entertainments. The machine proved itself straight away and it was worth making the investment in a bigger machine."

Practical Minds' solutions support clients with: shop fitting, concessions, win-

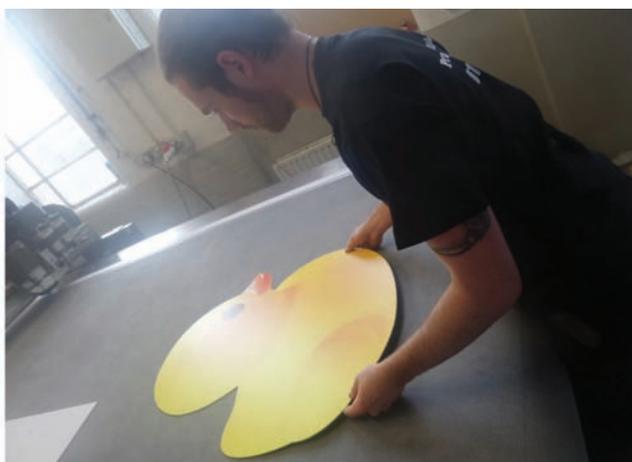
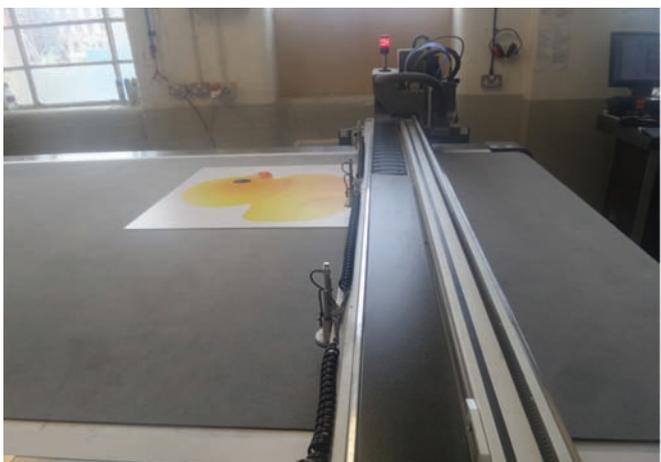
dow displays, exhibitions, point of sale and point of purchase. They work collaboratively with brands, retailers, agencies, designers, marketers and architects from initial concept design through to technical development, manufacture and installation.

About the Versa Tech

The Versa Tech is a versatile cutter with a multi-head feature that makes it a popular choice for sign and print companies that need accuracy, reliability and flexibility.

The Versa Tech can handle a range of substrates from self-adhesive vinyl, Foamex, Dibond, Foamcore, acrylic, textiles, PVC, sandwich board, card and paper. The Versa Tech is ideal for the sign and display market and particularly those companies who have made the move into digital textile printing, says the company. It is available in flatbed, conveyerised, or laser-equipped models.

www.blackmanandwhite.com
www.practicalminds.co.uk



Series of photos from Practical Minds shows Simon Pietryzk, Print Manager at the printer and Arron Day, Print Operator at the Versa Tech cutter.

DYSS opens new markets for large format printer

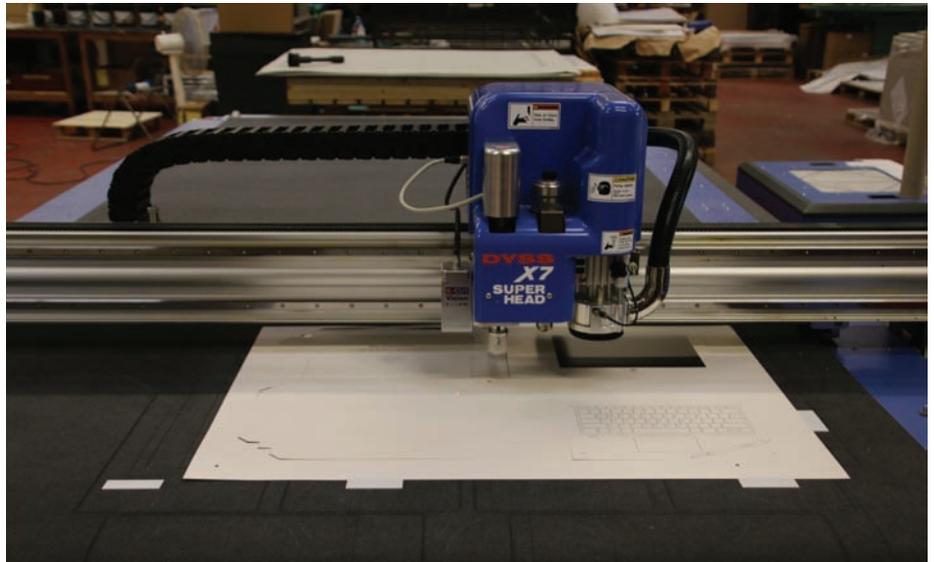
When The KSP Group wanted to increase its large format flexibility, product range and services, they invested in a DYSS X7-1630C digital cutter from AG/CAD.

The company had already installed an Oce Arizona large format flatbed printer with a 2500mm x 1250mm bed. But the company's existing Kongsberg digital cutting machine had a relatively small bed size and cutting capacity in comparison, and couldn't cope with all the jobs coming off the Arizona.

The incompatibility between printer and cutter prompted a search for a suitable solution. This resulted in them choosing AG/CAD and its DYSS range.

Director at the KSP Group, Mr Jason Cleary, said: "KSP has been established for over 30 years and has spent more than 10 years evolving its digital expertise alongside its traditional screen and litho operation. Our Arizona flatbed is only a couple of years old, and we are already looking to install another 3m wide digital printer in the next few months. As the new DYSS has a 3,050 by 1,650mm bed with a roll facility, it will comfortably accommodate jobs from our existing Arizona, and also the next machine we are planning, so will keep us ahead of the game for years to come."

Jason said: "We saw the X7 cutter at the Sign & Digital UK show and then afterwards spent a day putting the machine through its paces at AG/CAD's demonstration suite, where it really impressed. The AG/CAD team were very responsive and happy to make custom modifications to the DYSS to suit our exact requirements. The KASEMAKE CAD software supplied with the



The DYSS cutting table in action at The KSP Group.

"We do a lot of digital print and finishing, polypropylene products, ring binders and divider sets to name a few for them, and much of this wouldn't be possible without the DYSS."

machine stood head and shoulders above anything else. With all these reasons falling into place, there wasn't anything else that came close to the DYSS."

Since installing the DYSS X7, the digital aspect of the business has grown considerably. "The litho and large volume print industry is cut-throat and invariably comes down to price. By offering bespoke large format digital services, we can differentiate from our competitors. The large capacity, productivity and turnaround times possible with the DYSS are a winning formula for us," says Jason.

"A typical example of this is a set of large jigsaws that we recently made for the Travelodge chain of hotels. The prototype marketing exercise for the customer needed to be turned around quickly, and as it was a concept idea, the cost had to be minimal. We developed the design with our KASEMAKE software and immediately turned out the jigsaws.

"We also do a lot of work for the Jaguar Land Rover Group (JLR) who have exacting standards. We had to invest in getting the international ISO: 9001 quality certification and the ISO: 14001 environmental accreditation to work with JLR. We do a lot of digital print and finishing, polypropylene products, ring binders and divider sets to name a few for them, and much of this wouldn't be possible without the DYSS."

Meeting these stringent requirements is easy for the KSP Group due to the high accuracy and repeatability of the DYSS and its K-Cut Vision System. The intelligent K-CUT camera system calculates cut paths that perfectly match the print giving precise and consistent results time and time again, says the company.



Di-bond being processed on DYSS at The KSP Group.

PRODUCT Choice

XYZ router "sets the scene" at specialist builder

An XYZ 6000 series router supplied by XYZ International is said to have made a significant contribution to the continuing success of All Scene All Props. The company's primary business is to provide scenery and props, but they also do exhibition backdrops and large-format displays.

The XYZ router installed is a single-head XYZ 6012 with a bed size of 2.1m (width) x 3.6m (length). It includes a seven-station ATC (Automatic Tool Change) facility to help speed up production and accommo-

date different tooling requirements.

Managing partner Piers Ross, said: "Buying the XYZ 6012 CNC router was facilitated by the generous trade-in discount offer made by XYZ International. It enabled us to part-exchange an old XYZ 4008 router for a new and higher-performance machine. This has resulted in significantly increased production levels and faster turnaround on the work we do."

The router is used to process a wide range of materials, such as hardwood, ply-

wood, medium-density fibreboard (MDF), aluminium composite materials (ACM), aluminium, acrylic and plastic sheets, polyurethane foamed boards and high-impact laminates. These are widely specified for signage and display applications.

Piers said: "We use the router for virtually everything we need to process. It is a versatile production workhorse which is easy to work with and which, unlike other similar production machinery, does not raise any health and safety issues that need to be addressed before use. An added benefit is that we can now source all of our tooling requirements from XYZ International's online CNC Routershop facility."

The 6012 model can be supplied with additional machining options. These include the XYZ Auto Zone Management function that ensures the material being processed is always held securely during the routing/cutting cycle. And the latest A2MC machine control system for optimum precision and smooth operation. The A2MC has 16GB of memory for program storage and provides network connectivity for error-free program transfer.

A further optional enhancement is the latest XYZ helical rack and pinion drive system. This incorporates a multiple gear teeth configuration that helps spread the workload more evenly, leading to "greater routing/cutting accuracy, faster throughput speeds, reduced material wastage and ultimately a longer than normal machine life".



The CNC router at All Scene All Props cutting high impact laminate.

www.axyz.com
www.allscene.net

Fujifilm confirms Onset X series investment for UK printer

UK printer Augustus Martin has invested in the flatbed Inca Digital Onset X series, which is sold exclusively by Fujifilm. Their investment in the two Onset X2 and one Onset X3 will complement the company's existing Onset S70. They will "substantially increase its production capacity, enhancing its ability to produce a diverse range of high-quality, wide format applications at a volume and speed that rivals will struggle to match".

"We've found the quality and reliability of the Inca platform and the Fujifilm Dimatix inkjet system to be exceptional," says Augustus Martin's founder and Joint Managing Director, Lascelle Barrow. "The new Onset X series has preserved all the rich hallmarks of its well-earned reputation, while dramatically increasing production capacity – making this investment a relatively easy decision in the end."

Fujifilm has developed this UV curable inkjet system specifically for Inca Onset printers and for the display POP and signage markets. These inks provide "superior" resistance to the post print processes items may require, such as cutting, creasing and routing.

Keith Dalton, Managing Director of Fujifilm, UK said: "Fujifilm is proud to be partnering with them to grow their business still further and confirm their position as a leading UK printer. The added production capacity of the Onset X series machines and the strength of Fujifilm's new Uvijet OW ink range will, allow them to pass on a range of benefits to their customers; from reduced turnaround times to increased quality and reliability."



Augustus Martin with Fujifilm, at Drupa 2016.

Digital cutter helps company "stand out"

Stand Innovations Ltd, a 10-year old exhibition stand building company has branched out into a new print, signage and design business. The growth of the exhibition specialist prompted the directors to start up StandOut Graphics, a large format printing company. They provide bespoke visual advertising solutions to virtually "any brief".

The stand building business operates a woodworking machine shop with CNC routers, edge-banders, a spindle moulder and dimension saw. But Stand Innovations wasn't able to create graphics, and the associated print work to accompany its stand designs. With Stand Innovations subcontracting out thousand of pounds of print work per month; and its design agency customers subbing out another £10k+ of print work per month, the company saw an opportunity.

StandOut Graphics Director, Mr Tom Noon, said: "As stand builders, we were missing an opportunity with the print and display work. We invested over £350,000 and refurbished an adjacent unit, bought a Jetrix KX7 large format digital printer, and a DYSS X7 2230T digital cutting table from AG/CAD.

From this we started StandOut Graphics. The aim was to re-claim business we were subbing out, and also to target the business we were losing because we didn't have the capability. 12 months later and we are certainly claiming our share of print and graphics work through StandOut Graphics."

Tom said: "We looked at a number of machines and we kept coming back to the build quality and capability of the DYSS X7.

Our business continually requires large scale printing, and the subsequent cutting of media such as MDF, Foamex, Perspex, Dibond, Vinyl and glass. The 3m by 2m bed on



Knife tools of the DYSS cutting parts.

both the Jetrix KX7 and the DYSS X7 machine made sense as they perfectly complement each other. We visited some print companies using the same combination and the benefits were evident.

"The ability of the DYSS to precisely cut large non-uniform shapes from a wide range of materials that are often very thick, to such impeccable finishes, is a major benefit to both our graphics business and the stand building business. For such a large machine the DYSS X7 is also extremely accurate and consistent. This is credit to the K-Cut Vision system that intuitively identifies datum marks on each job and automatically calculates the tool path re-

quired. The K-Cut Vision system ensures the part is cut with 100 per cent precision, even if its orientation to the machine bed isn't parallel.

"We are already looking to enter the PoS display industry and we want to do more branding and advertising media. We are also looking to expand our team by adding a salesperson, a graphic designer and potentially more printing machines. By increasing the size of our team and exploring new markets, we can maximise the potential of the KASEMAKE 3D software. Both businesses are entering exciting times and this is a direct result of the combined purchase of the DYSS X7 and the Jetrix large format printer."



Cutting posters using the DYSS X7.



The DYSS X7 cutting our complex shapes and letters at StandOut Graphics.



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PRODUCT Choice

Cestrian Imaging Ltd drives growth with textile inkjet printer

Cestrian Imaging Ltd has become the first printing company in the UK to install an EFI™ Reggiani PRO 340 digital textile printer. The new 340 cm-wide device will meet increasing demand for high-quality fabric-printed displays, branded apparel and more.

The printer, which has 16 ink channels, will enable Cestrian Imaging to grow its business even faster as it capitalises on growing opportunities. Such as the trend for printing larger designs onto large-format rolls of textile. Their customers "love the flexibility of fabrics, the unparalleled vibrancy of the colours and the ecological benefits that come from being able to reuse rain-proof branded fabrics".

"With the EFI Reggiani PRO 340, we can offer even more customised work, spectacularly coloured and complex print designs," says Paul Gibson, Cestrian's Production Director. "This printer will allow us to deliver just in time designs for free standing fabric walls, light boxes and other fabric displays."

It has 16 heads, eight colours, drop sizes from 4 to 72 picolitres and resolutions up to 2400 dpi. The printer also provides "exceptional, accurate and consistent" fabric handling, thanks to a "sticky belt" industrial feeding feature that can handle everything from stretch fabric to stiff papers consistently and reliably at high rates of speed.

The printer's 340cm width guarantees greater variety in terms of size or repeat, says the company. While its specified fabric weights from 30 to 450 gr/sqm lets Cestrian achieve high throughput of up to 800 sqm/hour on a range of textiles such as polyester, cotton, and wool.

"We are also excited about the EFI Reggiani PRO's fluorescent ink capabilities.

These inks produce bright colours beyond the range reproducible by process colour printing, while the availability of 16 ink channels guarantees smooth gradations," says Paul.

EFI Reggiani printers also offer increased sustainability because they produce high-quality printed textiles while using less ink. The printers' ink recovery system is especially beneficial in the amount of savings it can create for customers, says the company.

"Our partnership with Cestrian Imaging reflects how important it is for EFI to provide

technologies that can fuel greater success in a wide range of print signage and marketing applications," says Paul Cripps, regional vice president of sales for EFI. "After helping the company successfully expand its signage and graphics capabilities with a pair of high-speed EFI VUTEk inkjet presses, we are happy to see the company continue its remarkable expansion with an EFI Reggiani PRO printer, to address the rapidly expanding textile imaging market."

www.ImagingofThings.com or www.efi.com.



The Reggiani PRO 340 digital textile printer from EFI, which Cestrian Imaging are using to grow their business.

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MTEX Blue dye sub printer benefits Soyang Europe

Soyang Europe's investment in a new MTEX Blue dye sublimation printer has enabled them to increase their sample production and testing, which gives its customers a better service.

The "all in one" direct to polyester printer features in-line fixation, which results in output that is ready to sew and install, makes it "ideal for those looking to supply sublimation printed textiles for the retail, exhibition and display sectors".

"Soyang Europe has long been associated with textile substrates. And with more companies looking to add the capability to their print portfolios, we saw the need to assist them as best we could," says Managing Director, Mark Mashiter. "The MTEX Blue dye sub printer has allowed our sales team to demonstrate to customers what a printed



Soyang Europe Sales Director, Andrew Simmons puts the company's new MTEX Blue dye sublimation printer through its paces.

"Soyang Europe's investment in the MTEX Blue very much underlines the printer's capabilities – we're hugely impressed with the output we've seen on their range of fabrics already and we're confident it will prove an invaluable tool for sampling and quality control."

fabric looks and feels like, rather than simply supplying an unprinted swatch; much to our and their benefit."

The new printer joins Soyang's research and development fleet of solvent and latex machines, and helps accomplish important tasks for the company. "Having in-house print capabilities also gives us the means to test new products before bringing them to market," says Mark. "We're also able to assist customers in the field with any technical enquiries. Having 'industry standard' printers and inks means it's possible for us to offer an extra layer of support for compa-

nies by using similar machines to theirs."

Soyang Europe offers a range of dye sublimation printable textiles, including its own range of backlit, flag, mesh and display materials; as well as European manufactured fabrics from Endutex and Aurich Textilien. "Textile is a huge growth sector at the moment and our range of fabrics ensures our customers are in a strong position to positively respond to any requirement that their customers may have," says Mark. "From retail light boxes to interior décor, exhibition stands and soft signage, we have textiles available in a range of sizes and for a broad array of ink technologies. The MTEX Blue allows us to supply a printed sample to our customers that perfectly communicates how well these substrates perform."

The MTEX Blue dye sublimation printer is exclusively distributed in the UK and Ireland by Hybrid Services Ltd. National Sales Manager – Textile & Apparel, Stephen Woodall, said: "Soyang Europe's investment in the MTEX Blue very much underlines the printer's capabilities – we're hugely impressed with the output we've seen on their range of fabrics already and we're confident it will prove an invaluable tool for sampling and quality control."



The MTEX Blue dye sublimation printer is ideally suited to direct to polyester printing such as light boxes and exhibition graphics.

www.soyang.co.uk
www.hybridservices.co.uk

QQD Design and Print boosts output with Mimaki upgrade

QQD Design and Print (QQD) recently bought a Mimaki JV300-160 solvent printer from i-Sub Digital. The new 1.6m-wide machine was installed earlier this month, and has since helped QQD to speed up the production of a range of display graphics.

Serving multiple sectors, and with a niche market of museum graphics, QQD is "recognised for its high standards and commitment to meeting its clients' needs, from concept through to fitting of the finished product".

QQD chose to upgrade its existing Mimaki JV33 printer to the latest Mimaki JV300-160 printer. QQD's Brian Swann said: "We'd had the Mimaki JV33 for a number of years, and whilst it was still working very well, we wanted to move with the times and invest in a newer machine that was capable of producing wider output."

The company is a loyal Mimaki customer; they previously upgraded to the Mimaki JV33 from the Mimaki JV3. So they wanted to stick with Mimaki for its latest investment. The Mimaki JV300 Series delivers "stunning photo-quality prints at class-leading speeds, providing an excellent wide format solution for sign and graphics professionals such as QQD".

The Mimaki JV300-160 offers the versatility of multiple ink types which was a big



The versatility of the multiple ink types was a big plus for QQD.

plus to QQD. Brian said: "We were also impressed with the increased ink set options which will enable us to broaden the colour gamut of our printed output."

QQD have also invested in a Mimaki CG130 FX2 cutter, as part of a cost-effective bundle deal from i-Sub, to replace an ageing Summa cutter.

i-Sub Director Emma Plant said: "I've

worked with Brian for nearly 20 years now and he trusts my judgement and advice. I was delighted to be able to recommend the Mimaki JV300 printer as the logical next step. It met all of their requirements.

"We were also able to upgrade their cutter at the same time in a great value Mimaki printer/cutter bundle deal and that swap out has also proved to be a great success."



The Mimaki JV300-160 is capable of producing wider output for QQD Design & Print.

Slam Signs invests in new SureColor large format printer

Signage and printing company Slam Signs has invested in a four-colour SureColor SC-S40600 large format printer. It is the their third SureColor; they've owned a SC-S30600 since its launch in 2012, and bought its eight-colour SC-S70600 in 2015.

Slam Signs provides a design and print service to a wide range of customers and has been in business since 2007. It produces a variety of products such as vehicle graphics/digital wraps, shop facias and sig-

nage, window graphics, banners/roller banners, internal and external signage, POS and pop-up exhibition displays.

The SC-S40600 is one of three new 64-inch SureColor professional signage printers launched earlier this year. They bought it from authorised Epson reseller Papergraphics. Its new design and production features combine to offer "market-leading quality at the fastest possible speeds", up to 58.4sqm/hr, with precise repeatability and long-term

durability. The SC-S40600 features Epson's PrecisionCore printhead, and offers Slam Signs a "precise and accurate" way to create high-quality graphics on a range of substrates such as clear film, vinyl, canvas and paper. Working with Epson's new formulation UltraChrome GS3 inks, the printer produces a wide range of highly accurate colours.

Slam Signs business partners David Jorge and Jodie Banfather are impressed. They said: "You can tell Epson have thought carefully about the design and build. Installation and set-up is straightforward, and simple things like the addition of a large, clear LED-lit inspection panel for viewing the printing area once printing is in full flow, make the printer easy to use. We know that we can rely on Epson's engineering to give us high quality and productivity with full back-up and support should we need it.

"The output speed is excellent and the wider colour gamut gives amazing quality and clarity, whatever substrate is being printed. We can be confident that the colours will match consistently."

Phil McMullin, Sales Manager, Pro-Graphics, Epson UK, said: "Everything about the design of the new SureColor SC-S series is centred on improving the printing experience for the user and reducing cost of ownership. The printers lead the market in offering the very best combination of quality, speed and price and truly mark the pinnacle of Epson's knowledge and expertise in one range."

www.epson.co.uk



Epson stand showing car wrapping by Slam Signs.

A vote of confidence for Vion graphic films

Chris Griggs of Chris Griggs Graphics, has become a firm advocate of the VION Series VP3000 and Series VP5000 graphic films, after William Smith added them to their portfolio.

"We use VION VP5000 for general signage, and VP3000 for a range of applications, such as small vehicles, flat panels up to A1 size, internal flat panel work and small stickers for diggers," says Chris Griggs. "And we have even used it successfully on the rear counterweight of a digger; this has a slightly curved surface and the film conformed very satisfactorily. We also print onto the gloss overlaminate for window stickers on digging machines."

Series VP3000 three year monomeric calendered vinyl film comes with clear, solvent based pressure-sensitive adhesive, and a 140gsm double-sided PE coated liner. Series VP3000 is available in gloss white or gloss transparent options.

Series VP5000 graphic film is available in a new option with grey permanent adhesive featuring V-Flow air release technology, which makes it easier to apply, says the company.

"We mainly use our latex printer for VION products but also do some work on inkjet. The print quality is very clean, and I'm very impressed with the quality and clarity of the overlaminate, especially when using it as a clear film for printing," says Chris.

"We initially purchased VION for its competitive price and because I like to try new materials. The quality and performance of the film is comparable with other products in the same price range, and the V-flow air release works well. I will definitely continue to buy VION."

www.vionfilms.co.uk

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Shining a light on the signage illumination market

Whether LED, neon or even solar powered, lights in signage have made an indelible mark on the retail and leisure sectors especially. *Jemima Codrington spoke with market leaders to find out more about what lies in store for lighting solutions in 2016.*

Solar powered LEDs

Zeta Specialist Lighting designs, develops and manufactures intelligent, robust and reliable engineered products suited to a wide range of applications. This ranges from LED solutions that lower energy bills and carbon emissions for customers across the world, including custom luminaires for street lighting, amenity lighting, signage and LED commercial lighting solutions, to the design and manufacture of complete solar lighting solutions.

The ECOLUX SOLAR LED trough lighting system has proved a popular and cost-effective product for signage illumination, which has led to the launch of an improved version. "When we first introduced the ECOLUX SOLAR, the industry's first solar LED trough lighting system there was huge demand from sign-makers," says Kevin Batham, Account Manager, Zeta Specialist Lighting. "This solar-powered system brought the cost of what was already an inexpensive solution down even further, and what it also did was to open up new opportunities to illuminate billboards and signs where there was no mains connection. We recently launched an improved version featuring a brand new Super Lens which enables even illumination on larger format signs and billboards up to three metres deep. The new lens which was designed utilising state of the art ray-trace simulation software, offers a significant improvement in illumination of three metre deep signs over the previous lens, opening up this innovative flexible solution for use in much bigger applications."

ECOLUX SOLAR is currently much in



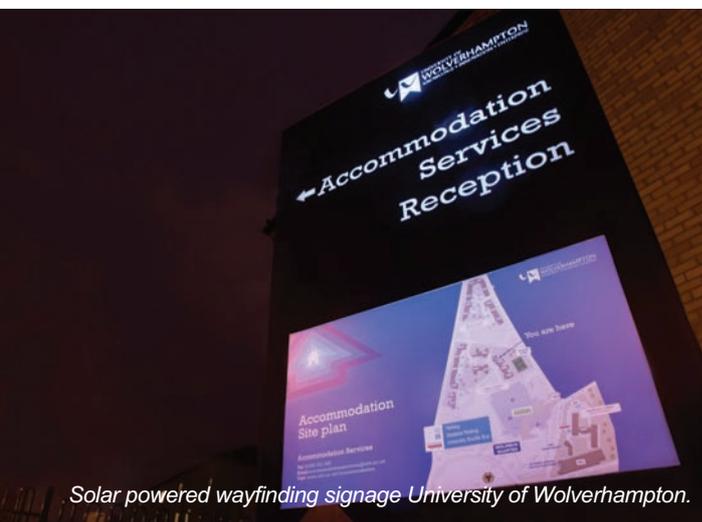
Zeta Zig-Zag LED lights.

demand; for sign-makers, it's an easy-to-work-with solution as it includes two different pre-set positions and bracket projections which enables them to achieve the optimum beam angle without having to wait for darkness to make any adjustment. Importantly, projection is just 500mm compared with the earlier requirement for a 1300mm projection bracket, it boasts an impressive 120° beam angle and is available in a wide range of colour temperatures from 3000 to 6000K.

"Another emerging trend is for RGB LEDs using DMX controls," adds Kevin. "These open up new opportunities for sign-makers to be creative and add value to their clients, and also offer significant cost and energy savings to end-users. The creative applications are endless, you can assign certain colours to one module to achieve a

multitude of different colours, and you can get very close to replicating a company's corporate branding. We're currently working on a project in Scotland where we are using RGB LEDs and DMX controlled technology to enable the opal acrylic face of a 3 metre x 3.2 metre sign to be lit using RGB to create any number of different colour effects, according to the time of year."

Kevin adds that they are also seeing increased demand for the Zeta Zig-Zag LED Strip, which is widely used to illuminate letters or shapes. The strip is arranged in zig-zags which enables the sign-maker to manipulate the lighting around corners, a key differentiating feature from other types of LED strip. "When embedding the LEDs into block acrylic letter applications for example, you get sharp edges that you simply can't



Solar powered wayfinding signage University of Wolverhampton.



An ECOLUX SOLAR roadside billboard installation with Clear Channel UK.



ECOLUX SOLAR seen at a Nottingham Park and Ride.



Zeta Specialist Lighting and Tara Signs created a cost-effective, LED-lit colour-changing feature wall for an office building in Vanwall Business Park, Maidenhead.

achieve on a moulded letter." There are a number of new product launches in the pipeline for Zeta Specialist Lighting, including the Solar Bollard, part of Zeta's SmartScape range of street and area lighting solutions. "The new SmartScape Solar Bollard wayfinding and amenity lighting solution is available in aluminium and wood finishes and requires no on-grid connection.

"With solar, there is no requirement to dig trenches or run cabling, running costs are zero and the systems are virtually maintenance free"

It has been specifically designed to capture and store solar power via its integrated PV panel, runs at a low lighting level continuously and incorporates an integrated PIR sensor that automatically increases the lighting level when there is activity in the area, saving energy and reducing light pollution," reveals Kevin.



Kevin Batham, Zeta Specialist Lighting.

The benefits of LEDs

LEDs continue to advance, and when combined with solar-powered systems, they provide sign-makers with a cost-effective, easy to install opportunity to add impact to signs by including illumination. With solar, there is no requirement to dig trenches or run cabling, running costs are zero and the systems are virtually maintenance free.

"End-users see the benefits of lighting in terms of heightened brand awareness if they're sited on a business park or retail shopping centre for example," says Kevin, "And in wayfinding systems, illumination is a must, there's no point having information or maps on a totem if it can't be seen during the hours of darkness." The advent of solar-powered systems is enabling sign-makers to proactively incorporate lighting in new projects as well as retro-illuminate legacy signage. The ability to offer a quick and easy, low cost solution to clients is increasing the value-add, making signage applications more attractive and more useful, as well as opening up additional revenue opportunities.

Kevin notes that when working with LED lighting in signage, complying with legislation around light pollution has to be front of mind, and this is where LEDs offer huge advantages over traditional lighting technologies. LEDs provide superior illumination and improved colour rendering, the light is directional and the spread of light can be controlled, making it easy to conform to requirements. Sustainability is also high on the agenda for businesses of all shapes and sizes and solar-powered systems, which significantly lower the environmental impact of any project, provide sign-makers with the ability to offer clients a wholly fit-for-purpose, economical and eco-friendly way to illuminate signs without increasing their carbon footprint.

Lighting the way with LED signage

"In sign-making one size does not fit all. And as Zeta designs develops and manufactures in-house, we have the flexibility to offer bespoke solutions for our clients, which removes one of the biggest bugbears for sign-makers," says Kevin. "Sign-makers are also mindful of the cost of installation, maintenance requirements and reliability - which is where LEDs' long-life, maintenance-free properties fit the bill."

Zeta recently worked on a project with Digital Imaging Services (DIS) to install a customised wayfinding solution across the University of Wolverhampton's main campus. The key challenge was how to illuminate the totems in order to enable visitors to see the campus maps and other important information when it was dark. There was no easy to access mains-fed power supply and the cost of laying the infrastructure for an on-grid power supply was substantial, making a solar-powered system the only option. Zeta's Solar Signage Kit is a bespoke solution for lighting outdoor monoliths and totems. Solar panels harness the sun's energy during the day which is stored by the long life batteries, Zeta's patented Energy Management System intelligently releases the stored energy, regulates the amount of power consumed by LEDs at night and maximises the power going to the batteries during the day. Mark Bradley, Director DIS said: "Zeta's ability to provide a solar powered solution was integral to the success of this project. Illumination was critical, without light, the wayfinding system wouldn't have been fit for purpose. The Solar Signage Kit seamlessly powers the totems from dawn till dusk, all year round."

The University is now exploring installing similar solar powered wayfinding across its other sites.

www.zetaled.co.uk

LIGHTING

Cold Cathode Lighting

Specialising in the neon lighting field, Southern Neon has emerged as a market leader since being established in 1988.

Neon lighting has been used since the early 1900s, and Southern Neon specialises in this along with cold cathode lighting. While the latter may seem very technical, Director David Pigott notes that this type of lighting is more common than people may realize. "Cold cathode is 'hidden light,' offering a dynamic array of glow lighting effects to highlight and emphasise architectural features," he says. "Whether used in ceilings, walls or any other physical spaces, this long-life, low-voltage lighting source offers illumination to a high standard."

Southern Neon has over 50 different colours in stock, meaning they can produce neon signage in any style in-house – and they have. From signs used in shops to bars, hotels and commercial buildings, there are a number of neon and cold cathode lighting signs in place. When it comes to neon, David notes that while it is still very much used for



Southern Neon manufactured lighting that was installed on the OXO Tower.

traditional information signs, in recent years, there has been growing interest in using neon in more upmarket, art installations.

"Neon can also be combined with other types of lighting such as bulbs and LEDs to create bespoke pieces, and has been used very effectively as 'product placement' in the home, shops, office spaces and for corporate advertising," he adds.



The OXO installation was for the release of SONY Playstation 4 Tower.

Neon lights have
a shelf life of up
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Southern Neon manufacture both neon lights and cold cathode lighting in-house

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The benefits of neon lighting

When it comes to creating different signage designs, David adds that there are no real drawbacks to using neon, as it is versatile and long-lasting.

“Neon is a reliable and trusted product with few components, so it’s very low maintenance and is inexpensive to run,” he says. “Even when the sign is turned off you, still have an attractive visual sign that comes to life when switched on and the ambiance is created,” he says. So versatile is this type of lighting, Southern Neon have used

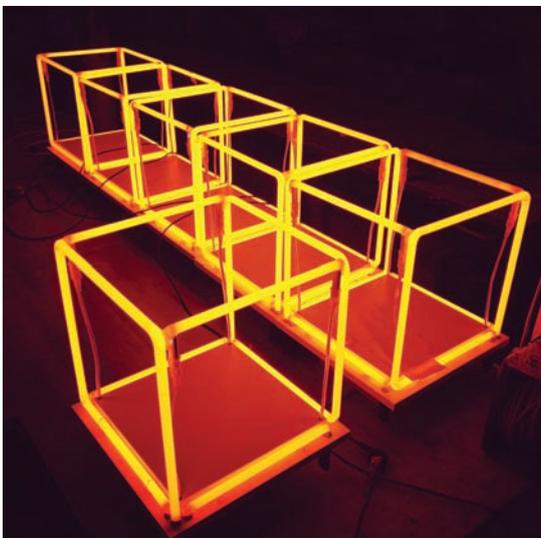
it in different applications for a number of different clients. “In the past, we have undertaken the manufacture of neon which was then installed on the OXO Tower in London for the launch of SONY’s Playstation 4, and we have recently supplied cold cathode lighting for the Queen Mary 2’s current refit.”

Intricate, bespoke sign designs along with logos and lettering can be manufactured in neon, giving a smooth, continuous even glow of light throughout - especially when neon is used for halo-illumination behind

built-up stainless steel or acrylic. “The advantages of neon are many – there’s the wide variety of colours and styles, and the ability to have ‘movement’ can give a striking mood-changing effect.”

Southern Neon can create signs and deliver these to customers who want to take care of installation themselves, or they can send engineers to install the sign for them.

www.southernneon.co.uk



Neon lights can be used in a range of applications, including on The OXO Tower (finished installation on the right).

LIGHTING

Maximise efficiency with LED lighting

Majert is about to launch its third generation of X-Series Chiplite LED modules. These will significantly reduce installation costs, and allow up to 100 individual LED lighting modules in a single row without the need for additional power input.

The third generation X-Series of Chiplite modules is available in 10 different options to accommodate varying illumination requirements in light boxes ranging in depth from 30 up to 200mm and with lumen levels ranging from 40 up to 400.

"In a second and equally important development, the company has added two new LED systems to the X-Series (CL-EL3 and CL-EL4)," adds Marco Klan, Managing Di-

rector at Majert. "These have been designed specifically for edge-lighting larger light box installations and bring the number of different systems in the series to 10. Of special significance is that Majert has now announced that using just nine CL-XOH4 modules x square metre it is now possible to illuminate flexible-faced lightboxes up to a depth of 200m."

LED can be up to seven times more energy efficient than incandescent light bulbs

Available as standard in white, warm white, red, green and yellow and with the option of special colours, the CL-XOL system is fitted with two 5050 SMD LEDs (including optic) and generates a luminous flux of 40 lumens. It has a compact size of 57 x 15.6mm and uses only 0.48W of power, making it suitable for virtually any size of light box or sign lettering requirement to a depth of 50mm.

Effectively illuminating the edges of both single- and double-sided light boxes, CL-EL3 and CL-EL4 have common as well as individual design characteristics. Measuring 100 x 26mm, CL-EL3 is fitted with three LED modules as well as a specially designed elliptical optic. It provides 240 lumens of luminous flux with a 2.8W power requirement and is wired to form a 20-unit chain. CL-EL4 is suitable for light box installations up to a size of three m², attributable to the generous luminous flux of 400 lumens generated by 4.5W of power. The system measures 63 x 53mm and is wired to form a 15-unit chain and has to be installed in groups of three modules.

The CL-X Series has been tested and approved for use in the most extreme temperature conditions (typically -40 up to +85 degrees C). The systems also carry the CE seal of approval, are RoHS-certified and incorporate an IP65-rated transparent housing for optimum safety and reliability.

The Chiplite X-Series is now widely specified by sign manufacturers throughout Continental Europe and is backed by a large stockholding capability and 24-hour delivery. Furthermore, all of the modules are supplied with a five-year performance guarantee.

www.chiplite.de



Chiplite LED modules seen in a Freia signage installation.

3M Envision lights the way

Sign makers can truly brighten up any signage with the 3M Envision range of Translucent and Diffuser films.

Available to use in a wide range of applications, the film enables enhanced lighting to be achieved whilst using fewer light sources, due to the high light transmission capabilities of the films. As a result, a huge reduction in power usage costs and maintenance requirements is now possible.

The 3M Envision Diffuser films offer two levels of light transmission (50 and 60 per cent) to help manage light more efficiently, while 3M Envision Translucent films are available in both standard as well as 57 customised colours and in an inkjet-printable format. Whilst optimised for LED lighting systems, the films can also be used with conventional fluorescent lighting systems.



Signage created with 3M Envision films.

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Significantly, these cast films help control the level of brightness and the distribution of light in light boxes and eliminate the presence of hot spots. The films can also be used to create customised lighting effects for backlit applications. The Envision films have up to 10 years' durability and are supported by 3M's renowned MCS (Matched Component System) warranty.

A major success for the 3M Envision Translucent Films was their use in a major rebranding project for the giant Domino's Pizza franchise in the US. Used in a series of different signage interpretations throughout over 1,000 outlets, the films enabled a huge reduction in the number of LED modules hitherto required, resulting in commensurately high

"End-users see the benefits of lighting in terms of heightened brand awareness if they're sited on a business park or retail shopping centre"



3M Envision films can be used to create a wide range of illuminated signage.

savings in maintenance and power usage costs. The 3M Envision films have now been adopted by Domino's Pizza to service all future sign lighting requirements. They were also used in a major rebranding project for Santander.

www.3M.co.uk/graphicsolutions

PressOn help create giant "living painting" in Trafalgar Square

PressOn helped their client, the Flower Council of Holland, create a giant 35 square metre installation described as a "living painting" using digital print and 26,500 real flowers. The work was commissioned to celebrate the support of an initiative by the Flower Council for the Dutch Flowers exhibition at the National Gallery, which runs until 29 August 2016.

The artwork was erected outside the National Gallery in Trafalgar Square, London on 2 June 2016.

PressOn were approached by the Flower Council of Holland in early May to help. It was a challenging request, they said. They had to create a 6.2 metres tall by 4.6 metres wide piece of digital print that when covered with real flowers, would recreate a Dutch Master painting by artist, Ambrosius Bosschaert the Elder. The painting is entitled 'A Still Life of Flowers in a Wan-Li Vase' (1609-10).

Nigel Webster, joint MD of PressOn explained the technical aspects of the project. He said: "We needed to create a printed template that would sit on floristry foam to act as a guide for the florists adding the real flowers. Our initial thought was to use a paper that could be pulled out once the flowers were added, so we tested one that would easily disintegrate when very wet. The timing of the disintegration was too unpredictable though for us to guarantee the print would stay intact for long enough, so the florists could see the painting.

"Finally we settled on wet strength blueback paper, printed with HP Latex inks on our HPLX3500. We made around 30,000



A close up of the floral arrangement, which contained 26 different varieties of flowers.

slits using our Kongsberg XP Cutter to enable the flowers to be added. Once held vertically, the paper held water inside the floristry foam longer than anticipated, which was great news! We printed 12 sections in total to wrap the floristry foam. Another section of the painting that was not covered in flowers was printed on canvas to help withstand the weather, and then added over the top of the other covered sections. I went to see the finished work and it was just breathtaking."

Almost 30 florists teamed up to create the fresh flower masterpiece, many of whom were volunteers recruited at the Chelsea Flowers Show. The teams worked through

the night in a London studio to create the masterpiece. You can see a time lapse video courtesy of funnyhowflowersdothat.co.uk.

Chanel de Kock of the Flower Council of Holland, said: "I'd like to thank PressOn for their great work, their relentless attention to detail and dedication that helped us complete this very successful project. People visiting the Gallery from the UK and around the world will be able to see these paintings brought together in one room, and also have the chance to experience a very special kind of bouquet."

presson.co.uk
funnyhowflowersdothat.co.uk



The team with their giant "living painting" at the National Gallery in London.

Facts and figures

- 26,430 stems of 26 different varieties of flowers were featured. And 37 different colours were used to create depth and shading, including six tulip varieties, four varieties of peonies, three varieties of carnations, six varieties of freesias, six varieties of calla lily, and five varieties of roses.

- The large structure had a built-in water irrigation system to keep the blooms fresh, and over the course of five days, the flowers were replenished twice, bringing the total number of blooms to 52,950.

- The structure weighed 1,815 kilograms. It is made using 100 blocks of florist's foam. The complete installation stands 8.2 metres from the ground; about the same height as two average London double decker busses.

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Inspirational wall graphics for the Sign & Digital UK offices brings 'the outside in'

Faversham House, the organisers of Sign & Digital UK, wanted to improve their work environment with inspiring wall graphics, after moving into new offices in East Grinstead. The company, which works across many industries such as water, energy, sustainability and visual communications, wanted to make use of local expertise. So they approached Vinyl Impression, a design-focused digital printing specialist, to do the work.

With the company split across two floors, the aim was to use themed wall graphics to "connect" teams in different parts of the office, and to provide a positive working environment. The key areas for transformation were the meeting rooms, main working areas, kitchen and breakout area. A competition among staff resulted in a theme of 'elements in nature'. So they chose images of earth, water, fire, metal and sky, along with local scenes, for the graphics. Working closely with the Faversham House team, Vinyl Impression provided a site survey, advice on the choice of materials and images, image editing, printing, finishing and installation. The result is a set of stunning images, says Faversham House.

The project was sponsored by Papergraphics, who supply large format inkjet print media for the graphics and CAD markets. Papergraphics, who successfully exhibited for the first time at Sign & Digital UK 2016, provided their innovative Digimura 2.1 smooth wallcovering and paste. The images were printed on a HP Latex 360 printer.

"The installation was successfully completed during the working day with minimal disruption to the client. The walls were prepped prior to install, which enabled our a four man team to fit the wallpapers in a blisteringly quick six-hours," says Ed Currer, Creative Director, Vinyl Impression



"The response from staff has been positive, with comments ranging from 'it has completely changed the outlook from my desk' to 'the bright colours help to lift the spirits on a dull day,'" says Sign & Digital UK Event Director, Rudi Blackett. "As the organisers of Sign & Digital UK we are thrilled that our offices are a showcase for innovative print and design. We plan to work further with Vinyl Impression to enhance our reception area and to highlight our company values using different media formats."

www.zinginsights.com
www.bpaww.com

About Sign & Digital UK

Sign & Digital UK is the annual trade show for sign making, display solutions and digital printing. Showcasing the latest innovative products, technologies and services, the exhibition attracts a wide range of top manufacturers and suppliers from across the sign, display, graphics and print industries. The 2017 show will take place on 28 - 30 March at the NEC, Birmingham and will celebrate 30 years as a national exhibition.

www.signanddigitaluk.com
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3M's latest non-PVC film used in UK's first vehicle wrap

The new non-PVC Envision Print Wrap Film SV480Cv3 was used by Positive Design to carry out the first UK vehicle wrapping project, using this more environmentally aware film. Positive Design used the film to wrap the latest addition to the fleet of vehicles at Wm. M Briers, a waste management and recycling business. The wrap applied to the new refuse collection truck combines "striking type and a vibrant leafy graphical theme to reflect the environmental credentials of both the company and the 3M film".

3M Envision Print Wrap Film SV480Cv3 is a phthalate-free, non-PVC film with no added chlorine or halogens. It has 58 per cent less solvents than conventional films. It is also recyclable. The tough, conformable and colour-fast film has been designed to withstand the harshest environmental conditions, including extremes of temperature, intense sunlight and general wear and tear, says the company. When used with a recommended over-laminate, the film has a life expectancy of seven years.

"The film is just as easy to apply as other films supplied by 3M and our newest and least experienced applicators have achieved first-class results with little assistance from senior staff.

Whilst soft and compliant for vehicle wrapping applications, the film is also ideal for textured surfaces such as those found on interior and exterior walls, says 3M.

James Nicholls, Positive Design, said: "As a specialist in vehicle wrapping and associated signage and graphics applica-

tions, we look closely at new materials that come to market. We were confident that the new 3M film would be ideal for this and future similar projects done on behalf of Briers."

Senior Marketing Executive at 3M Commercial Graphics division, Pen Webley, said: "Strong environmental credentials are increasingly important in all businesses, and our new non-PVC film will enable these to demonstrate their commitment to the environment through a range of signage and graphics options."

James said: "The film is just as easy to apply as other films supplied by 3M and our newest and least experienced applicators have achieved first-class results with little assistance from senior staff. 3M also lent further support by sending a product specialist to advise and help set up our printer to ensure optimum colour fidelity and quality of finish."

www.3Mgraphics.com/EnvisionWrap



The new refuse collection truck wrapped in the new non-PVC Envision wrap film from 3M.



Allen Signs celebrates Blackwood Court opening

Allen Signs celebrated finishing another successful project, at the opening of a new business development on Teal Park.

The sign and vehicle livery specialist was employed by the North Kesteven District Council (NKDC) to manage the branding and signage for Blackwood Court. This is the latest addition to the 87ha Teal Park site, home to engineering company Siemens.

Glen Merryweather from Allen Signs said: "Following a competitive pitch we were appointed by NKDC to work on the design concepts for the signage while Blackwood Court was still in the planning stage. Our in-house graphic designer developed some cre-

ative ideas which we presented to the client.

"Once construction work on site got under way we revised our initial concepts to make sure that the design and materials used reflected the style of the buildings as well as the name. We've really enjoyed being involved in the project from the early stages and following it through to completion."

Councillor Mrs Marion Brighton OBE said: "A key part of identifying a site is its signage and we were pleased to appoint locally-based Allen Signs to do the design, manufacture and installation of the signage at Blackwood Court. We are really pleased with the work they have carried out."



Allen Signs created all the signage at the 87ha business park, consisting of 19 workshop units.



The signage company made sure the design and materials used reflected the style of the buildings.

The local authority has invested £2 million in the new development which consists of 19 workshop units, ranging in size from 500 sq ft to 2,000 sq ft, which are aimed at small start-up businesses.

The development has attracted interest from a range of businesses from engineering, joinery through to a photographic studio, with a mix of new start-ups, relocating and expanding businesses.

All but two of the units have already been let at Blackwood Court. Five units were let on completion of the site in February, with another five following soon after. Applications and strong interest has been received in another seven as well.

www.allen-signs.co.uk

20.20 to create "blockbusting" POS for Odeon



ODEON has chosen strategic retail and leisure consultancy 20.20, to reinvigorate the food and beverage in-cinema POS journey for visitors.

Initial work for 20.20 will include an enhancement of food and beverage communications, to make ODEON's retail offer "more exciting and of better value" to guests.

Mariann Wenckheim, Partner at 20.20 said: "We are working closely with the ODEON team to create an experience that delights guests from the moment they step foot in the cinema foyer.

"We are introducing agile working and testing to really engage with cinema guests. Ultimately, we want to make the retail offer as exciting as the film guests are coming to watch."

Andy Edge, Commercial Director at ODEON UK & Ireland, said: "For many of our guests, the first impression they have entering our foyers is often the first impression they have of the ODEON brand as a whole. So it's key for us to ensure we are delivering a top-notch experience throughout."

www.20.20.co.uk

Signage firm claims the spotlight during weekend of iconic sporting events

HD Signs & Display, and sister company Infield3D Advertising, had their work aired across the globe when they produced graphics, logos, banners and carpets for a number of high profile sporting events.

Over the course of the weekend work produced and installed by the company was seen by hundreds of millions of TV viewers, all over the world.

For the DACIA Magic Weekend, the firm installed 3D painted pitch logos for DACIA and First Utility at St James' Park in Newcastle. The work, which was carried out by Infield 3D Advertising, with stencils produced by HD Signs and paints by Linemark, was used in all six games and shown on Sky Sports.



Mesh banners at the FA Cup Final.



The printed carpet used during the England versus Turkey game.

Banners at the William Hill Scottish FA Cup Final 2016.

While on Saturday, the 3D PVC mesh banners Infield 3D produced and delivered for both ends of Hampden Park, were shown on Sky Sports 1, during the William Hill Scottish FA Cup Final. Two large printed carpets that HD Signs made for Emirates were seen on BT Sport and BBC One, during the FA Cup Final.

They also produced and installed a large 10 square metre printed pitch side mat for the FA International Friendly between England and Turkey, at the Etihad Stadium in Manchester, which was shown on ITV.

David Hickey, Business Development Manager at HD Signs & Display said: "We are absolutely delighted to have been called on to produce and install work for a number of iconic sporting events, which were seen by hundreds of millions of viewers across the globe. It was our very own magic weekend!

"We have developed a well established reputation for producing signs, banners, graphics and logos for sporting events, as well as doing other work such as vehicle graphics and surface advertising."

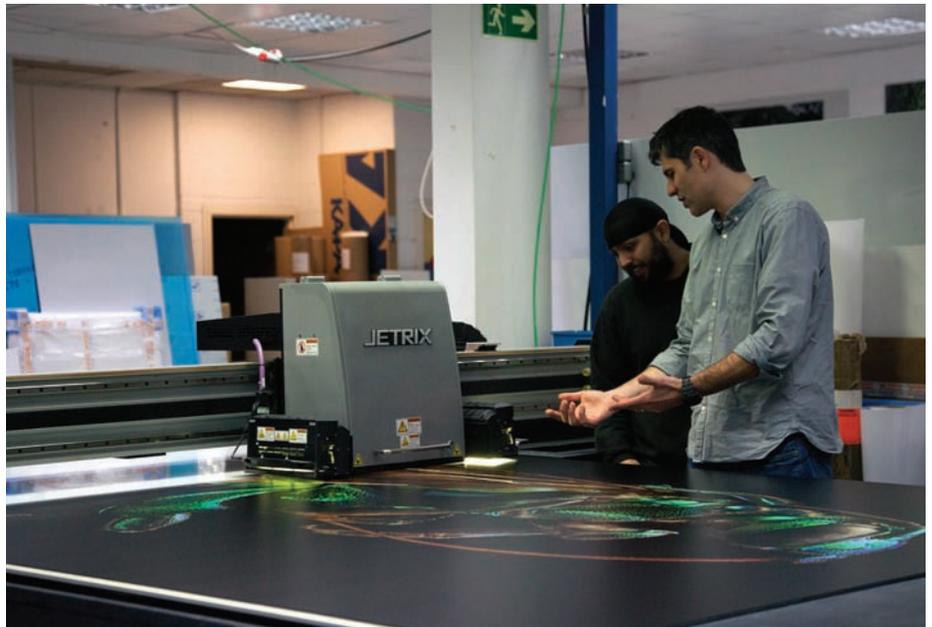
Based at Riverside Business Park in Rawtenstall, HD Signs & Display and Infield 3D Advertising are part of the Linemark Group of companies, which also includes sister companies N-Virol and Ultra Membranes. The Linemark Group of companies manufacture line marking, damp proofing treatments and anti-condensation products, which are sold through a network of distributors to customers around the world.



Large format photographic exhibition reveals hidden beauty of insects

Little can be seen of an insect's fine detail when viewed by the human eye, but this new exhibition by British photographer Levon Biss, takes this micro detail to a "stunning" new level. This exhibition features large scale images printed by Genesis Imaging, with their JETRIX printer producing the biggest pieces. They feature some of the most "beautiful, surprising, and often outright bizarre microscopic form of insects". The exhibition at the Museum of Natural History in Oxford, forms part of the Museum's Visions of Nature year in 2016.

Titled Microsculpture; the exhibition reveals images of selected specimens from the museum's collection like they have never been seen before, in large-format detail. Some of the largest Microsculpture photographic prints measure up to three metres across and surround the visitor; alongside the tiny insect specimens themselves to give a "huge transformation of scale to offer a unique viewing experience".



Levon Biss discussing print output at Genesis Imaging.

"When I saw the fine level of detail in these images when visiting Genesis Imaging, I was blown away by the intricacies revealed of these insects."

The chosen specimens were carefully selected by Dr James Hogan, an entomologist in the Museum's Life Collections, to reveal the array of sculptural forms visible in insects at the microscopic level. Visitors can view the intricate shapes and colours of the creatures up close in the pin-sharp photographs, before stepping back to take in the beauty of the insect as a whole.

Each picture is created from around 8,000 individual photographs. Segments of the specimen are lit and photographed separately, "stacked" to maintain sharp focus throughout, then combined into a single high-resolution file which is then printed.

Levon Biss, the photographer, said: "I photograph the insect in approximately 30 different sections, depending on the size of the specimen. Each section is lit differently with strobe lights to bring out the micro-sculptural beauty of that particular section of the body. For example, I will light and shoot just one antenna, then I will move on to the eye and the lighting set up will change entirely to suit the texture and contours of that part of the body. This process continues until I have covered the whole surface area of the insect."

Ben Woodruff, Head of National Sales at InkTec said: "When I saw the fine level of detail in these images when visiting Genesis Imaging, I was blown away by the intricacies revealed of these insects. The lighting just adds to the definition and it is fantastic to see some of these being produced on a JETRIX printer for this exhibition."



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PROJECT News

LED Light Sheet illuminates light sculpture for the Houses of Parliament

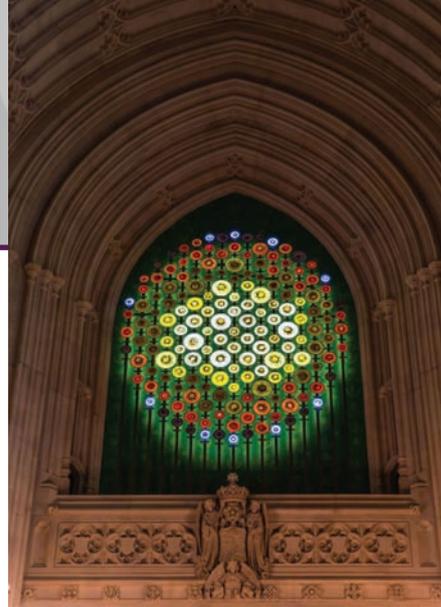
A new light sculpture created for permanent display in Parliament, has been lit by Applelec's LED Light Sheet, to celebrate all the people who campaigned for women's votes. The site-specific sculpture, by artist Mary Branson, is the first permanent artwork to be commissioned for Parliament to consider women's suffragem, and the first abstract artwork created for the historic Palace of Westminster. It is located above the entrance to St Stephen's Hall, where many suffrage protests took place.

Applelec worked with Mary Branson for over a year on the illumination of New Dawn, with the sculpture destined to be a permanent addition to the Parliamentary Art Collection. The company's LED Light Sheet product, which uses an innovative technique

to create a thin 'layer' of light in bespoke sizes and shapes, provides discreet and integrated illumination of the sculpture.

At over six metres in height, New Dawn features 168 hand-blown glass scrolls, each illuminated individually by LED Light Sheet to create an enormous sun-shaped composition. The glass scrolls are a visual reference to the many Acts of Parliament stored in the Parliamentary Archives, which restricted and then acknowledged, women's right to the vote. The title of the sculpture, New Dawn, is inspired by language used by many campaigners who viewed the vote as providing a 'new dawn' for women.

Light has special significance in the artwork, says Applelec. With the illumination of each scroll controlled individually, the light of



The illuminated light sculpture, above the entrance to St Stephen's Hall, Palace of Westminster.

New Dawn will rise and fall over a twelve hour cycle, linked to the tide of the Thames. This ebb and flow of light symbolises the tide of change that campaigners were certain would eventually bring women the vote.

Mary Branson, said: "Applelec's LED Light Sheet has been vitally important in the creation of New Dawn. Being really bright but thin, the light source could be hidden in our structure and so gives the impression that the glass itself is glowing and floating in front of the structural portcullis metalwork. I needed a light source that was low power, and low maintenance, as my brief was to create an artwork that could be enjoyed by future generations. LED Light Sheet generates almost no heat and with our DMX controlled drivers, fades smoothly to give beautiful and subtle effects through the glass."



A close up of the hand-blown glass scrolls, each lit by Applelec's LED light sheet.

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PROJECT News

Milan Re-Tale

The latest project promoted by Pixartprinting, as part of its content creation strategy, involves a tour of Milan's historic signs. The Milan Re-Tale provides visitors with a visual itinerary that takes them on a "typographical shopping trip", illustrating the variety of styles and the creativity involved in producing the ancient signs for the city's shops and boutiques. In this project, Pixartprinting has "once again revealed its innovative spirit, which goes far beyond its core business to incorporate various means of communication and content sharing".

From 19th-century embellishment to art nouveau typefaces, and from refined golden letters to the work of old sign painters, the 30 shots by photographer Marco Valmarana combine to produce an absorbing piece of

visual storytelling, says the company. These artefacts, perfectly preserved, represent one of Italy's fortes from a bygone age, and help give modern, cosmopolitan Milan its character.

And it is not just the shops emblazoned with lettering that feature in Milan Re-Tale: the owners are also shown in the images, standing in front of their shop windows. Each photo is accompanied by a tale that reveals interesting facts, such as, for example, the origins of the oldest bookshop in Italy or the bar where the first house aperitif was invented.

"Signs are important pieces of cultural and aesthetic heritage for cities. Through the Milan Re-Tale project we wanted to create a meeting point between a past which is still strongly imprinted in the collective imagination and the vibrancy of contemporary creativity", says Andrea Pizzola, Sales & Marketing Director at Pixartprinting. "Today, the visual communication used by retail outlets has abandoned artisan methods in favour of industrial production techniques. But the design element can still draw on the immense historic expertise we have narrated in this project."

Milan Re-Tale also pays homage to historic signs that recall the art of printing. The Bocca bookstore; the Fratelli Bonvini printers and stationery shop; the Pettinaroli stationers, which also does printing and binding; and the Centenari art print shop "epitomise the tradition of a business which has evolved thanks to technological innovation".



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WAYFINDING Feature

The art of navigation *Kathryn Johnson*

I first realised the importance of wayfinding, when I went into the flagship store of a well known high street shop on Oxford Street, London. It's enormous and I went upstairs to look around. But then I started feeling panicky and felt I needed to get out (combination of bright lights and rows upon rows of clothes proved to be disorientating) But there was no obvious exit sign, or indication where the escalator was, which made me panic more as I felt trapped! That was about 10 years ago and I've never been back to this shop.

Historically, wayfinding refers to techniques used by travellers over land and sea to find relatively unmarked routes. Recently, it's been used to refer to the user experience of orientation and choosing a path within a built environment. Kevin Lynch defined wayfinding in his book, *The Image of the City*, published in 1960. He wrote: "Wayfinding is a consistent use and organization of definite sensory cues from the external environment."

The wayfinding concept was further expanded in a book by Canadian graphic designer Paul Arthur, and Romedi Passini, published in 1992: "Wayfinding: People, Signs and Architecture." The book contains

many descriptions, illustrations, and lists, all set into a practical context of how people use both signs and other wayfinding cues to find their way in complex environments.

There can be a common misconception that wayfinding is just about signage, whereas it's understood to serve as a small component of a typical wayfinding strategy. Mike Slater, Managing Director of Wayfinder UK Ltd, says wayfinding has developed into a behavioural science, using strategies that aid human navigation. This he explains, has important implications for urban environments where wayfinding is crucial to avoid chaos and confusion.

The science and psychology of wayfinding

But what does this all mean for our industry today, responsible for creating schemes in hospitals, schools, parks, town centres, airports, etc? **David Watts, Managing Director of CCD**, is well placed to explain how they approach wayfinding. CCD have created wayfinding schemes at Gatwick Airport Car Park, Stansted Airport and the University of York, amongst others. They were recently chosen by the V&A Museum in London to create their new wayfinding strategy.

David said: "Too often wayfinding schemes are created that, whilst the signage looks attractive, do not take into account the needs of the people using them. Because when developing a wayfinding strategy, designers often do not try to understand the psychology and behaviour of the users. Wayfinding is an active process, and far more about signs.



Olympic Games wayfinding.

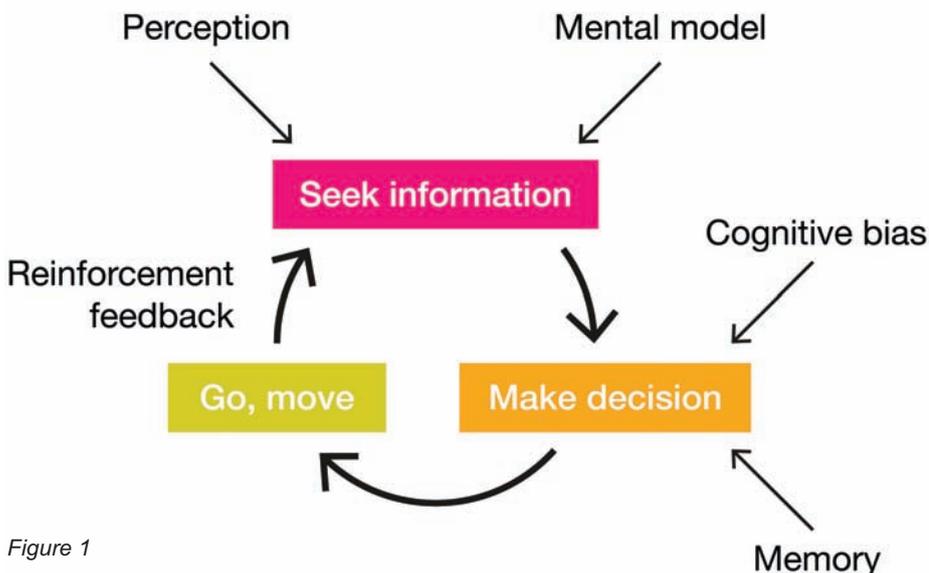


Figure 1

We use a simple cyclical model when beginning to understand how people way find. (see figure 1) At the heart of this, is the need to seek information based on perception, sense and using mental methods based on experiences and norms. Our decision can then be made on which way to go, based on our memory of a route or what information conforms to our 'model'. But our decision making is often biased; in this case usually due to the concept of What You See Is All There Is (WYSIATI). This leads people to fail to identify further information, or see gaps in their perception. Naturally this is a dynamic model, because having made a decision, we are moving so the environment changes. Then we get feedback and have to consider whether this reinforces or contradicts our decision.

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For this process to work, we are dependent on our senses, and factors such as colour, lighting, space, landmarks, and entrances that are all important as we navigate our way. And this is where information in the space becomes a critical aid - let's call that signage!"

David says that wayfinding designers should always remember that humans are individuals, with different personality traits, and this will impact on how they behave. He also stresses that it is critical to understand how people think and respond in a particular environment, and again, how this impacts on their behaviour. He said: "The designer must understand the range of scenarios in which navigation and decision making are taking place. At every stage of the design process, the real world context must be taken into consideration."

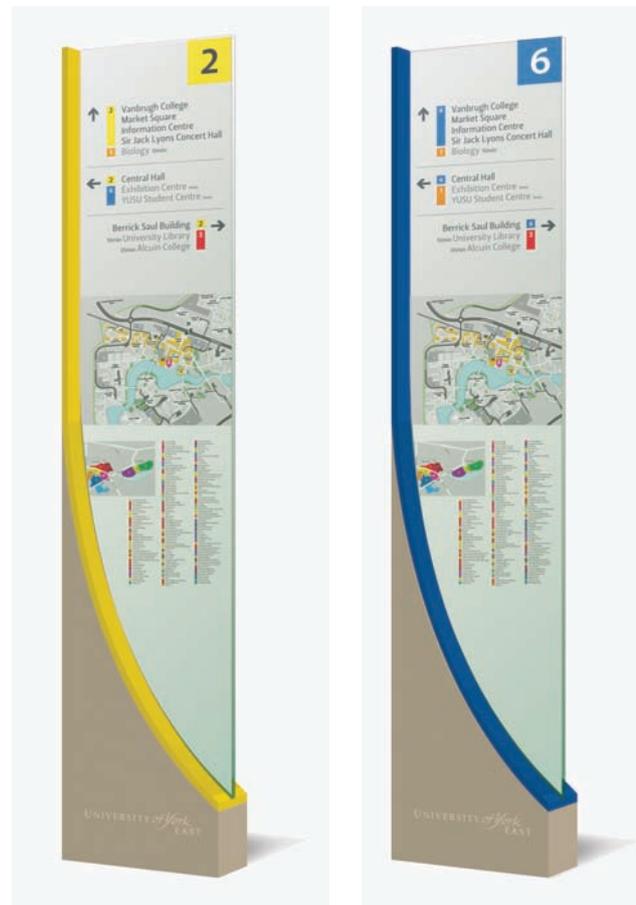
What is clear from David and the work that CCD do, is that creating an effective wayfinding strategy is not simple or straightforward! There are a myriad of factors to consider, study and understand. And of course, be-

cause it's a strategy for people, every one unique, to find their way in various environment (often unfamiliar or large spaces), it's highly complex.

"Understanding people, their individual preferences and needs, is vital to successful wayfinding design," says David. "But beyond this, the designer needs to have a greater understanding of how people's psychology, emotions and individual personality traits impact on how they behave. Designers must develop an empathy through extensive research and testing, which removes their own cognitive bias to provide solutions that better meet the needs of everyone. The client must make sure that when creating the brief, and as the project progresses, the designer takes an approach that builds in an understanding of people, and the way they use wayfinding. Any less than this will lead to a poorly conceived and implemented system."

www.designbyccd.com

.....Continued on page 62



University of York wayfinding scheme.

WAYFINDING Feature

Wayfinding for the blind and visually impaired



Welcome sign in Stoke.

Most schemes wouldn't consider those unable to see, so CCD were commissioned by Guide Dogs for the Blind to research their travel and wayfinding needs.

CCD explain what they did:

The aim was to provide insight and information that could be used by technology developers and innovators, to provide future solutions that better met the real needs of people.

We conducted interviews with over 40 blind and visually impaired people; ran a number of focus groups; and did observed journeys. We developed personas for a range of blind and visually impaired people to communicate the variety of individual needs and circumstances. We produced a series of storyboards to communicate the range of travel challenges that blind and visually impaired people face on a day-to-day basis.

A detailed task analysis was developed that covered a number of journey scenarios. This task analysis communicated a range of information on user requirements that can be met by design and technology solutions.

Once a wayfinding strategy has been developed and implemented, choices need to be made about what systems will work best to help people navigate their way. We speak to a number of companies about the products they make for wayfinding schemes.

Trade suppliers

For nearly thirty years **Simplex** have supplied wayfinding signage direct to the trade. Over the years they have seen many changes in customers' needs, which has led them to offer their diverse product range.

For internal signs their **System 4 range** offers a gently curved product that can be made as a wall mounted directory, a suspended sign, or as an internal monolith. Capable of holding individual bands, a large panel, a paper insert or a combination of

these, its unique patented gator-band technology means it is the only curved system on the market to hold all of these configurations together. And in line creating a finished sign that's very pleasing on the eye, says the company. Available in a range of widths, they can be painted to any colour of your choice, including Pantones. They also accommodate Braille and tactile panels. A one size matching projector completes the System 4 family.

For external signs their **Pole & Plank range** are "hard to beat". They offer a walltrack, round, square, "D" and quad slot post options. And a 100mm, 150mm and 200mm planks with fabricated panels for other sizes, which incorporate a more sturdy 2mm aluminium face.

For budget signs they offer their composite holder for carrying 3mm ACM panels or any other substrate of your choice. If you need a small monolith, a Pole & Plank **Sign-**



Accord-52.



Signbox 78.

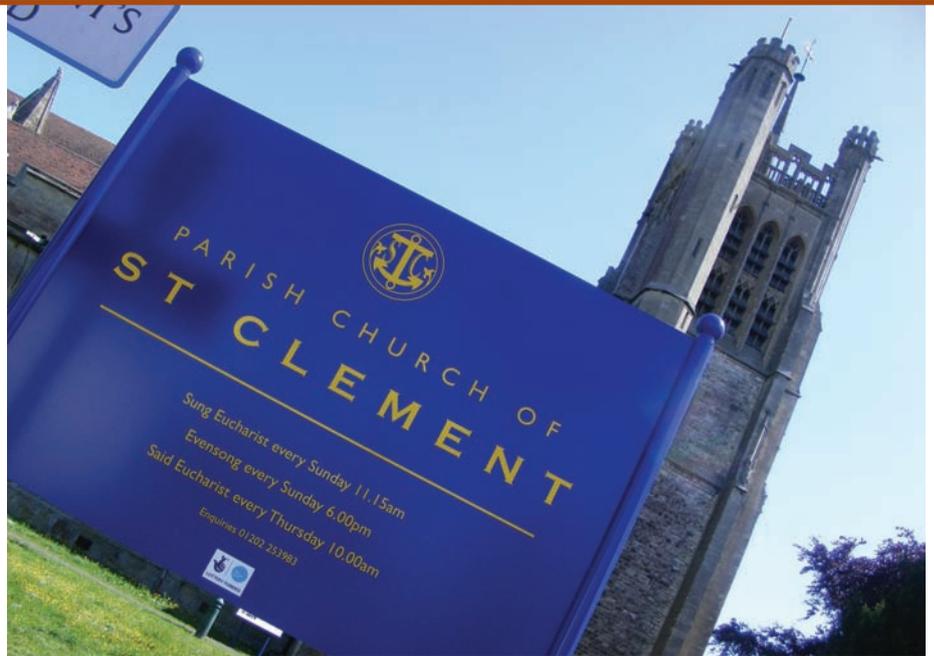


box 78 makes a solid and imposing impression for any customer, says Simplex. Also available is their Nav360 fingerpost, which complements their Pole & Plank range. All can be bought as finished signs or as straight lengths for you to cut up and create your own.

Wayfinding signs do not, of course, have to be just limited to systems, according to the company. Their metalworking facilities have increased year on year to offer some of the best facilities for bespoke fabrications around. "So be it a single door slat, or a six metre monolith sign, your project is in safe hands with this trade supplier".

They are also an approved supplier of the stylish **Apco Accord** "slat" type sign system and a recognised supplier of **MSS signs (Modular Sign System)**.

www.simplexlimited.com



Pole & Plank.

Stylos multi-functional directional sign system

William Smith, who supply sign and graphics solutions to the trade, and selective end users such as local authorities, has developed the Stylos sign system. It has been specified by many local authorities, and installed in a large number of inner town and city, and rural locations, throughout the UK. The system is made of aluminium, which means it's fully recyclable after its lifetime, to add to its environmental credentials.

The Stylos system was developed to provide a "clear and easily interpreted directional and information signage solution", enabling both local residents and tourists to navigate their way to particular attractions and essential amenities. The system is avail-

able in both a standard fingerpost and a combined post and panel format; supplied either as a finished system complete with bespoke text styles, symbols and supporting graphics. Or in component form for on-site assembly and customisation in any stove-enamelled BS/RAL or Pantone colour.

Flexibility

The design of the system enables different end-caps, collars, arms, panels and bases to be produced. The fingerposts can be set at varying heights and point in up to eight different directions. A key design element of the system is a concealed inner fixing arrangement that makes it "extremely difficult" for the

fingerposts to be vandalised. This says William Smith, results in minimal repair and replacement requirements over time. The standard system can also be adapted to create boundary and town/city information signs. While an illuminated version of the system is available to install in areas of poor or reduced lighting.

When Rotherham **Metropolitan Borough Council** wanted to upgrade and expand its town centre signage for pedestrians, the Stylos fingerpost system was chosen to do so. The existing signage, including 11 Stylos units, needed to be replaced to accommodate changes that had taken place in local amenities.

.....Continued on page 64



A Stylos configuration in a town centre.



Sign systems in Halton.

WAYFINDING Feature

Around 45 new Stylos fingerpost signs have been installed; with new fingerpost arm and cap designs, as well as bolder text in white on a black background. A protective over-laminate was added to enable graffiti to be removed easily without damage to the sign face. While base collars were included to complement the style of the lighting columns and bollards used in the town centre.

Halton Borough Council used 20 Stylos fingerpost units for the eight-kilometre network of the Greenway shared walking and cycling route, which was developed to provide sustainable transport to the Widnes Waterfront Economic Development Zone.

Manchester City Council used 17 of the fingerpost units for the Stockport Branch Canal Section of the Manchester Gateway. The units were specified because they provided clear directional information for cyclists and pedestrians, says the company. And were considered to be the ideal solution for off-road leisure routes of this type.

www.stylossignsystems.co.uk



This shows how the Stylos system can be adapted to create a post and panel format.

Applelec's wayfinding solutions

With a range of wayfinding products available, **Applelec** has worked on a number of interesting and creative navigational projects.

Applelec's **LED Light Sheet** was selected by artist Stella Corral for a project at St Luke's Hospital in Bradford, to help simplify navigation for people with dementia. The idea behind the unique wayfinding system was to create a visually intuitive solution, consisting of lighting, vivid wall colours, distinct shapes and artwork themes. This gives the hospital's departments a clear identity, whilst enhancing orientation in a more visually engaging and memorable way.

Using LED Light Sheet to light the back of the artwork due to its slim design and

bright illumination, Stella Corral said: "The development of the simplified signage ultimately led to my wanting to use LED Light Sheet, to enable me to create beautifully simple statement pieces. We wanted to create an overall immersive style, so that the user is completely at ease throughout their visit; remembering foremost we want to ease anxiety, frustration and confusion." LED Light Sheet further aids wayfinding by clearly indicating each of eight department entrances along a corridor in the hospital's Horton Wing.

For more flexible wayfinding products, Applelec's **I-Sign Flex** marks a progression from generic display frames, due to its patented, spring-opening mechanism. This, says Applelec, makes changing signage information quick and simple. Alongside the frames, which include A-series sizes, the range features projecting and hanging signage to make coordinated solutions possible. The product has been used for sport and entertainment venue, the Termon Complex in Co Donegal, by L.E.Graphics. Here the I-Sign Flex provided the look and feel of permanent signage, whilst having the ease and functionality of a snap frame.



I-Sign Projecting sign.



I-Sign Flex.

Andy Armitage, Head of Signage at Applelec, said: "Businesses that require elements of flexibility within their wayfinding provision, for example when function rooms regularly change their uses, are often left with little product choice to create a professional and stylish wayfinding system. We believe that our I-Sign range provides that choice by offering functionality to quickly update wayfinding graphics."

Of course, wayfinding schemes are not only required for interior spaces; externally, wayfinding signage provides navigation on a much larger scale. Such signage is often designed to aid car drivers, who may not have the opportunity to pause and consider their route. This says Applelec, makes signage placement, visibility and clarity of even greater importance.



Andy said: "Last year, we supported Blue Raptor Signs in the creation of two free-standing monoliths for York's Vangarde Shopping Park. The inclusion of bright LEDs to illuminate text along with the huge, six-metre height of the monoliths helped achieve the required high visibility. Our design engineer can help clients by assisting in structural calculations for large scale architectural signage such as totems and monoliths. What's more, our recent move to a much larger factory site has provided the additional height and space to enable Applelec to accommodate more projects of this nature."

www.applelec.co.uk



Vangarde monolith.

Looking down, not up!

Walls and ceilings have been a discernible space for guidance for decades, says Soyang Europe. But advances in media technology, and creative new substrates, have seen the birth of a revolutionary new wayfinding concept that uses a previously underutilised surface - the floor.

"Flooring can, and should be exploited to assist people with the process of finding their way," says Andrew Simmons, Sales Director at Soyang Europe. Some of their innovative products can be used to create graphics that can be applied to the floor, or become part of the flooring itself. This can be an internal commercial floor, such as at an airport where assistance with wayfinding is paramount; or externally, such as on entrance roads.

Exhibition halls, retail outlets and sporting venues need to guide people towards entrances, special offers, or to signpost boundaries. Using flooring to do this is "not only progressive and exciting, but makes perfect sense now the materials are available to do it effectively". G-Floor, which is printable on the underside to create highly



AlumiGraphics being used at SDUK.

"It's easy to use on existing kit and will immediately encourage new areas of business"

durable and repositionable floor covering, can be used for wayfinding in the same way that it can be used for branding purposes; or for creating a feature. It's non-slip too which ticks the health and safety boxes.

There are materials available that sign and graphics companies can use within their existing print set up, which will allow them to offer floor graphics without major investment in hardware. AlumiGraphics is a great example of this, says Andrew. It's a wide-format media made from pliable aluminium foil, with a white finish that can be used with solvent, eco-solvent, latex and UV inks. It moulds itself naturally to practically any surface, rough or smooth, opening up a "vast array of options for producing convenient yet striking wayfinding graphics".

Andrew said: "It's easy to use on existing kit and will immediately encourage new areas of business. We used AlumiGraphics at last year's Sign & Digital UK exhibition and applied wayfinding graphics to the pathways leading into the NEC. This was an attractive and engaging way of guiding people into the show as well as sparking their interest."

www.soyang.co.uk



Gfloor showing the way in to the venue and creating a feature.

Be part of Europe's largest trophy, awards and personalisation event

Euro Trophex is the only dedicated international show for the trophy, awards, engraving and personalisation industry. It has both new and regular exhibitors from all areas, such as trophies, engraving, lasers, sublimation equipment and consumables, heat transfer press and signage centres. The show takes place from 15 to 17 October at the PTA in Amsterdam.

The show is attended by people from throughout the industry, and according to the organisers is a great place to give live demonstrations; launch new catalogues; and showcase new products and technologies.

New companies to the show this year

euro trophex

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include Rayzist from the USA who have exhibited at Trophex with The Glass Scribe (their overseas partners), for the past three years. They will demonstrate sandcarving

procedures and industry tips and techniques. Pohary Bauer from the Czech Republic will present their new line of acrylic and glass trophies at the show.

Trotec will be giving live demonstrations of the Speedy 100, the Speedy 360 flexx and the entry-level Rayjet. Marloes Middelkamp, Marketing Manager, said: "Exhibiting at Euro Trophex will give us the opportunity to showcase the diversity and range of our products. We will be demonstrating how to engrave awards and other promotional products so visitors will be able to see for themselves exactly what our machines can do for them."

And it's also the first time to the show for Swatkins Group Ltd; an established trophy and awards manufacturer. Stephanie Swatkins, Sales Manager, said: "Visitors will be able to see a selection of our brand new British made nickel and silver plated awards and our Revolution cups."

The PTA is set in an ideal location within easy walking distance of the city centre. It can be easily reached by car, train or tram and is just a 20 minute car journey from Schiphol airport, making access to the exhibition easy and hassle free. Get in touch to book your stand.

colingallimore@trophex.com



The Magic Touch at a past Euro Trophex show.

Top safety accreditation for A1deSIGNS

A1deSIGNS has been awarded accreditation from Safecontractor for its commitment to achieving excellence in health and safety.

Safecontractor is a third party accreditation scheme that recognises high standards in health and safety management amongst UK contractors.

Employing 15 people, A1deSIGNS is involved in a wide variety of sectors such as retail, commercial and interiors, specialising in sign making, neon signs and cold cathode lighting industries. A1deSIGNS have worked with a wide variety of clients from large multi-nationals and blue-chip companies, through to small independents.

The company's application for Safecontractor accreditation was driven by the need for a uniform standard across the business, according to the company.

"As a company we are always striving to improve everything we do; whether that is through the quality of our products and services or through the safety of our staff. We feel this is a good step forward as a company in showing our commitment to our staff's welfare," says Andy Nash, Managing Director.

John Kinge, technical director of Safecontractor, said: "Major organisations simply cannot afford to run the risk of employing contractors who can't prove that they have

sound health and safety policies in place.

"More companies need to understand the importance of adopting good risk management in the way that A1deSIGNS has done. The firm's high standard has set an example, which hopefully will be followed by other companies within the sector."

Over 210 major, nation-wide businesses, from several sectors, have signed up to use the scheme when selecting contractors for services such as building, cleaning, maintenance, refurbishment or electrical and mechanical work.

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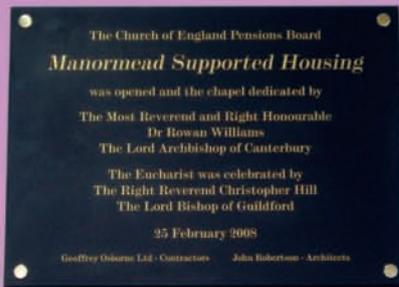
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Image overhaul for Rennicks

Rennicks (UK) Limited has unveiled a new image and redesigned website www.rennicksuk.com. This reflects the company's "progressive and innovative approach to integrate Intelligent Transport Systems (ITS) safety solutions and traffic technology to increase safety and visibility for all road users".

The new 'Clearly Better' branding embraces all four market sectors served by Rennicks, with bright new colours for each, including: Conspicuity vehicle materials; reflective traffic signs and materials; mobile variable message signs; and intelligent transport solutions.

Incorporating Mobile Traffic Solutions Ltd (MTS) under the same new branding and website, the company will continue to provide information and communication solutions that improve transport infrastructure and road

safety, whilst keeping commuters informed.

Martin Rodgers, Sales Director, said: "Our vision is to be the voice of authority in ITS safety solutions as we move to become a systems integrator. Whilst also developing our market position in retroreflective sheeting to create a one stop shop solution business for our customers. We aim to deliver environmentally sustainable solutions to give users visible and informed messaging to allow safer, more coordinated and smarter use of transport networks.

"Using our unique knowledge and understanding of the retroreflective sheeting and traffic and transport industries, we can increase safety and visibility for all road users."

www.rennicksuk.com



Kornit Digital appoints Sabur Ink Systems Ltd as new UK distributor

Kornit Digital has appointed Sabur Inks Systems Ltd as an additional distributor for the United Kingdom.

The distribution agreement covers all of Kornit Digital's direct-to-garment printing systems.

Sabur Ink Systems was established in 1998 by Dean Sanger and Ian Burton, both of whom have worked in the textile industry since the early 1980s. They have been particularly active in the screen sublimation print sector since 1990.

Their combined knowledge in this industry soon secured Sabur Ink Systems as the market leaders in sublimation supplies, a position that Sabur is proud to have held on to some 18 years later. Sabur has experienced the digital transition from screen and lithographic printing to today's digital revolution, says the company.

"We are very excited to become a Kornit partner and look forward to expanding and solidifying the representation of both companies within the UK textile print sector.

"We consider Kornit Digital the world's most recognised and trusted direct-to-garment brand," says Aaron Burton, Sabur's Digital Development Director. "Combined with our wealth of textile knowledge this can only help to strengthen both Sabur Digital and Kornit Digital as market leaders in an ever evolving industry. Our show suite in Barnsley, South Yorkshire, will boast the UK's first Kornit Storm Hexa, which will be available for demonstrations from June."

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www.kornit.com



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Roland DG win two EDP Awards

Roland DG's recently launched wide format digital print devices, the TrueVIS VG Series and SOLJET EJ-640, have won prestigious EDP Awards.

Jerry Davies, President EMEA for Roland DG accepted the award for 'Best wide format print and cut solution' for the TrueVIS VG-640 and VG-540; and 'Best

wide format roll to roll printer up to 170 cm' for the SOLJET EJ-640.

Jerry said: "It's an exciting time of innovation for the digital wide format print industry, with keen competition driving the release of new products. The EDP recognition demonstrates that Roland DG technology continues to lead the way, offering an award-winning combination of quality, durability and overall return-on-investment."

Since 2007 the EDP Association (European Digital Press Association) has evaluated and celebrated the best new developments in print production, annually presenting awards to the best solutions in the industry.

Roland's new 64" SOLJET EJ-640 eco-solvent printer has been designed with cost-efficient and high-performance productivity in mind. With dual staggered printheads, an integrated tri-heater system and strong chassis, the EJ-640 is built for "optimum performance" for businesses working on high-volume output.

www.rolanddg.co.uk



Jerry Davies, President EMEA for Roland DG, receiving the EDP award for 'Best wide format print and cut solution'.

Papergraphics sells the UK's first large scale 3D printer

Papergraphics has sold the UK's first Massivit 3D printer to graphic production company, Stylo. This came after the official unveiling of the Massivit 1800 at Drupa, the largest printing equipment exhibition in the world.

Standing at a height of 2.6m and width of 2.4m, the machine is the only 3D printer in the world that can create bespoke 3D sculptures up to 1.8m high, 1.5m wide, with a depth of up to 1.2m. Together with its capability to print up to one foot per hour, it is a "technological innovation that will significantly evolve the visual communication market".

With the ability to create super-large scale objects in a few hours, the system is expected to open up realms of new possibilities to a variety of industries, says the company.



A 3D object created on the Massivit 1800.



The Massivit 1800 3D printer, launched at Drupa this year.

Papergraphics became the sole distributor of the Massivit 1800 large format 3D printer for UK and Ireland markets, as of March this year.

Doug Gilbertson, Director at Papergraphics, said: "The launch of the Massivit 1800 marks a big step forward for the print industry. We are at the cusp of the 3D printing revolution as the capabilities of this printer opens up the market to industries that previously had limited access. The first sale of the printer to Stylo showcases the agility of the printer, and we're excited to keep working closely with them as we continue to provide after-sale support."

Simon Olley, Managing Director at Stylo, said: "Create, innovate, print is our company vision. We underpin this by investing in the latest technology. 3D printing is an exciting new service we will be able to provide to our existing and new customers."

Perspex Distribution open their largest branch

Perspex Distribution celebrated the official opening of their largest branch, with a customer open day in Leeds on 24 May.

The new office was officially opened by Phil Bailey, Vice President EMEA at Lucite International, alongside Councillor Richard Lewis of Leeds City Council; Perspex Distribution Managing Director Keith Piggott; and Roger Marsh OBE, Chair of Leeds City Region Enterprise Partnership. Over 120 guests including customers and suppliers, council representatives and Perspex Distribution employees joined to celebrate the opening of their latest distribution office.

Perspex Distribution is the UK supplier of Perspex® Cast Acrylic and sheet products widely used in the signage, retail and printing industries. Following major growth across the group, the new office will serve customers across Yorkshire and Humberside from the 30,225 sq ft premises, the largest within the Perspex Distribution Group.

The Leeds branch is the fifth Perspex Distribution branch and joins existing distribution centres in Blackburn, Tamworth, Chelmsford and Weybridge.

The open day provided an opportunity to demonstrate the systems and services available, such as order optimisation systems, LED schematic planning and their modern cutting machinery. The full portfolio of products available from them were also represented through key manufacturing partners such as SloanLED (suppliers of LED modules for signage and display); Palram (manufacturers of PVC Foam and Polycarbonate); IPB (PETg & PET manufacturers); and Multipanel UK (aluminium composite manufacturers).



Keith Piggott, MD Perspex Distribution, with Phil Bailey, Vice President EMEA Lucite International.



The Leeds team, including Branch Manager Jonathan Marsden, at the Perspex Distribution Leeds Opening.

Keith Piggott, Managing Director of Perspex Distribution, and Lucite International General Manager of European Sheet and Composites, said: "Our expansion is a direct result of our need to meet customer demand across the region. Opening our largest operation in Leeds provides us with a strong foundation to grow both our product range and customer base in years to come.

"Basing the branch in Leeds places us central to many key customers and our location within the Leeds City Region enterprise zone is a fantastic base for distribution. We have also generated 22 new jobs within the site in a range of roles from sales, administration, warehouse and drivers and have welcomed the support from the local council."

Leeds Branch Manager, Jonathan Marsden, said: "Ultimately, our business is about stock availability and quick delivery to match the fast moving pace of our customers. Our two Holzma HPP500 saws, 500 tonnes of stock and fleet of five delivery vehicles will enable us to meet the growing demand for quality materials in this area."

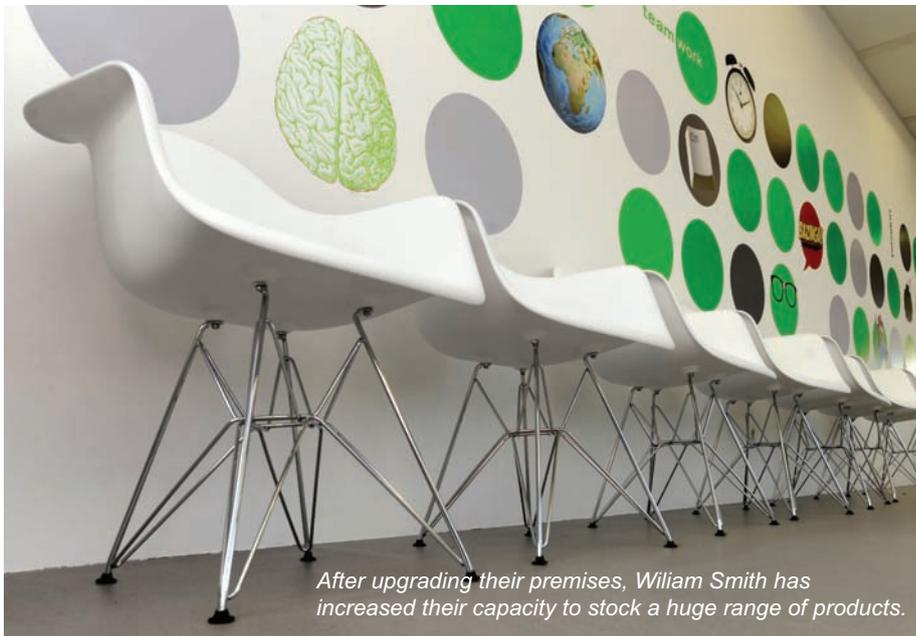
William Smith adds Avery Dennison to their portfolio

William Smith, one of the largest material suppliers in the UK, has added another big brand to their growing range of materials.

Now stocking many new products from Avery Dennison, the new portfolio will feature further additions to digital printing films, opaque and translucent signmaking films, window films and tools and accessories.

After a large upgrade to new premises, William Smith has three times the space and the ability to offer much higher stock levels and a bigger choice of products.

William Smith stocks most major brands on the market such as 3M, Avery Dennison, Arlon, iSee2, ContraVision, VION and RTape. Based in Barnard Castle, the company is proud to be able to offer the sign and graphics trade industry every product they could need under one roof. Their material selection is matched with expert knowledge and an unbeatable service that enables them to bring their customers' projects to life, says the company.



After upgrading their premises, William Smith has increased their capacity to stock a huge range of products.

The new warehouse has opened up an opportunity for us to further improve our operational efficiency

William Smith's marketing manager, Chris Bradley, said: "The new warehouse has opened up an opportunity for us to further improve our operational efficiency. So we can continue to provide our customers with an even wider range of products, whilst maintaining the fast turnaround times for which we are well-respected."

The William Smith team will continue to "use their of experience and vast history within the signage industry, to offer their customers the latest products and expertise". The new Avery Dennison range is available to order alongside other stock for next day delivery on orders up to 6pm.

www.williamsmith.co.uk



The Avery Dennison range, available from William Smith, includes window films and various signmaking films.

Mimaki dye sublimation printer packages

Hybrid Services Ltd has a range of competitively priced dye sublimation printer packages. These are "designed to deliver a unique combination of performance, combined with an attractive entry price and low running costs".



The two packages, based on the 1.6m wide JV150 and JV300 platforms start at £11,995 and include: a two-year gold warranty, RIP software, Mimaki's own bulk ink system and 16 litres of the latest Sb54 dye sublimation ink plus powered feed and take up devices. "These two packages deliver incredible value for companies looking at bringing dye sub printing to their business," says Hybrid's National Sales Manager, Textile & Apparel, Stephen Woodall. "There is understandable excitement around the

potential revenue that dye sublimation printed output can bring, and these systems leverage Mimaki's peerless textile printing heritage."

Mimaki's latest Sb54 dye sublimation ink set offers "market-leading value" thanks to a price of £52.50 / litre. The ink is suitable for sublimation printing onto textile and rigid substrates and delivers a vibrant, long lasting result, says the company. "Sportswear, fast fashion, promotional products, event signage and textile point of sale are ideal avenues to explore with a wide format dye sublimation printer such as the JV150 or super-fast JV300," says Stephen.

Companies investing in the packages need only add their choice of heat press to complete the system, says Hybrid.

Stephen said: "It's never been easier to get into dye sublimation printing. With these new Mimaki packages, we're able to offer a system that costs very little to invest in initially; retains low running costs; and can deliver a highly profitable end product. With Hybrid and Mimaki's experience and our knowledgeable reseller network, we're able to train and support new customers ensuring they're up and running quickly too."

The JV300 is one of the platforms available with this new package.

Apprentices qualify at engraving company

Five young apprentices recently completed a two year Performing Manufacturing Operations engineering apprenticeship at Brunel Engraving, based in Clevedon.

The company developed and established the apprentice training course together with City of Bristol College. The training took place at Brunel's premises, and the apprentices were mentored by an appointed training advisor and assessor from City of Bristol College.

Brunel Engraving and City of Bristol College awarded the five apprentices with their Intermediate Level 2 (F504) qualification certificates on 9 June. The qualification is academically equivalent to five GCSE passes at grades A to C.

All five apprentices are now employed full time at the company, and will go on to complete more advanced training in engraving techniques.

"Engraving is a highly skilled profession. Our engravers are trained to the highest standards in the UK using the latest computer controlled engraving machines. These include laser and glass, as well as sublimation, chemical etching, anodic print and wide format digital print operations," says Philip Wright, production director at Brunel Engraving.

"We are keen to nurture and develop young talent, and believe strongly that education and industry should work together to offer young people opportunities to train and develop their skills. The advantage of this type of apprenticeship, which is both technical and vocational, is that the trainees get to learn on the job whilst also benefit from the support of their college mentor and assessor."

Brunel is currently looking for suitable new recruits to employ and enrol onto its apprentice training programme.

The company was first established in 1989 by qualified engi-

neer, Martyn Wright and has developed into one of the largest and most successful engraving businesses in the UK. They offer a broad range of bespoke engraving services to a wide spectrum of industrial and commercial customers.



Pictured front left to right: Eren Chetin and Alex Tanner. Back left to right: Keith Smith, training advisor and assessor at City of Bristol College; Tom Holland, Adam Cottam, Luke Hudson, and Philip Wright, production director at Brunel Engraving.

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Offer ends July 29th 2016. Money will be transferred to Thomas Cook or Thomson only to the value of the amount stated above. This offer cannot be used in conjunction with any other offers.

Roland DG increase availability of sublimation machinery through two new dealer recruits

Roland DG has two new partnerships with suppliers of digital textile print systems, R A Smart and i-Sub Ltd, as consumer demand for sublimation continues to rise.



Darren Penny, Head of Sales at Roland DG, is excited about the two new distributors of their dye sublimation printers.

The partnerships will see both dealers add the Roland DG Texart XT-640 dye-sublimation transfer machine to its collection of printers and sell to its extensive network of textile professionals.

Operating one of the largest digital print facilities in the country, R A Smart is looking forward to adding the Texart XT-640 to its portfolio of sublimation printers. With a history of providing high-end screen printed machinery to the fashion and home furnishing sectors, the latest Roland DG dye-sublimation transfer machine was the "ideal" choice.

Managing Director of R A Smart, Magnus Mighall said: "Being recognised as a Roland DG Authorised Dealer will give us a competitive edge in a saturated market, as the best supplier for sublimation purposes in the local area."

i-Sub Ltd has over 15 years' experience within the sublimation market, and believe that the addition of the Texart XT-640 will attract a range of both new and experienced textile professionals into its showroom.

John Purse, Director of i-Sub Ltd said: "Advances in the sublimation industry have meant that customers are constantly looking for the most advanced machinery on the market to provide their customers with the best possible products and stay ahead of the competition."

The Texart XT-640 is the newest addition to Roland DG's dye-sublimation transfer offering, delivering "outstanding productivity, exceptional print quality and renowned reliability".

Darren Penny, Head of Sales at Roland DG, said: "We are really excited to announce our partnerships with both R A Smart and i-Sub Ltd.

"R A Smart is a leading supplier of digital print systems and we couldn't be more pleased to see a Roland DG machine in their showroom. Likewise, i-Sub Ltd are a well-loved textile supplier with vast knowledge of the textile industry, and we are thrilled to have them on board as an authorised dealer."

www.rasmart.co.uk
www.i-sub.co.uk
www.rolanddg.co.uk

Nth Degree Imaging relocates

Nth Degree Imaging, the independent supplier of large and wide format digital print solutions to the graphic arts industry, has relocated to a new UK central location. The new offices in Peterborough are better sized and positioned to house and demonstrate a vast array of wide format printing and finishing equipment, media, colour management and workflow solutions.

Nth Degree Imaging is a UK authorised dealer for Roland printers, an official Epson distributor, and service partner for Epson's large format inkjet printers. They were recently appointed to distribute the new flatbed and hybrid UV printer range from SignRacer GmbH. They also offer a range of ink and consumables; and colour management and software packages and services. Nth Degree is the UK's Premier Partner for EuroMedia wide format

media for solvent, UV and latex inks.

Phil Dowson, Managing Director of Nth Degree Imaging, said: "We are delighted to have found excellent new premises as the next stage in our strategic growth plan. With excellent road and rail links, it provides us with a great base to better serve our UK customers. We do not simply 'sell products', but provide solutions through our extensive experience and unparalleled technical understanding. We are always looking for ambitious and energetic people to join our evolving business."

The modern industrial premises is situated at Orton Southgate, Peterborough and benefits from excellent connectivity onto the A1(M). Nth Degree Imaging were formerly located in Bishops Stortford in Hertfordshire.

www.nthdegreeimaging.com



Phil Dowson, Managing Director of Nth Degree Imaging.

APPOINTMENTS

CMYUK appoints Jason McNulty as new Senior Digital Sales Consultant



CMYUK has appointed Jason McNulty to its sales team as Senior Digital Sales Consultant.

Jason will offer advice and consult with customers on established and new innovative products for their business. He comes to CMYUK with over 15 years' sales experience in wide format printing equipment and consumables.

Jason's background in sales includes experience of a wide range of manufacturer ranges such as Mimaki, Vutek, HP, Epson, Easymount and Seal.

SDEA welcomes new director



Antony Behiels has been appointed the new Director of SDEA bringing with him many years experience of the retail display industry. Mr Behiels was previously an SDEA member and was on the Executive Council for seven years, so knows the association well from a member's perspective. He has a high level of digital skills and business acumen that will drive the association to a new level of growth, says SDEA.

CMYUK appoints Martin Cole as new Field Service Engineer



CMYUK has appointed Martin Cole as a new Field Service Engineer in its growing engineering and technical team. Martin's role will cover machine installs, repairs and training. He has extensive experience with Mimaki's product line in particular, having held specific techni-

cal roles for over seven years prior to joining the company.

Martin also has a solid working knowledge of Roland, Epson, Canon, AGFA and HP as well as profiling, RIP and cutting software packages.

Soyang Europe appoints Kerrie-Anne Moore to drive sales in self-adhesive materials market

Soyang Europe has recruited self-adhesive specialist Kerrie-Anne Moore to drive forward its new range of self-adhesive materials from DECAL, as it looks to strengthen its offering of staple sign and graphics supplies.

Her appointment has coincided

with the recent launch of the DECAL self-adhesive vinyl and wallcovering products.

Kerrie-Anne brings with her a wealth of knowledge on self-adhesive materials to add to Soyang's "capable and multi-faceted" sales force.



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job vacancy

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Zulu Signs are a manufacturing based sign company providing high quality signage along with excellent customer service. We have a wealth of experience in the industry and understand the importance of signage and the role it plays when promoting businesses.

As a part of our 2016 growth plan we are looking to compliment our team with the right driven and conscientious individuals. We currently have an opportunity for a commission only sales representative.

The role is either part time or full time and has flexibility to work around other commitments.

If you are a self-motivated, highly driven and high achieving sales person then this role is for you.

A high commission rate is offered, equating to much larger OTE than the same position paid as salary plus commission.

The ideal candidate will have a good knowledge of all types of sign manufacturing and understand the processes involved in sign production. They will have a proven track record within the sign industry and the ability to generate new business in all sectors.

Target markets include:

- Construction industry
- Facilities management companies
- Blue chip companies
- Design agencies
- Local authorities
- Retail
- Leisure industry

The right person will demonstrate the following skills:

- A professional appearance and good communication skills
- The ability to absorb technical information and communicate customer requirements.
- The ability to meet and surpass set sales targets
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www.signupdate.co.uk/stsm

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Permanent position – Assistant Manager

Busy London-based sign company is looking for a multi-skilled signage expert. The ideal candidate will have some sales experience (mostly in-store, face to face) and a good background in signage, possess the knowledge to advise customers and take projects from consultation to completion. Design experience preferred, some experience of Roland printers and RIP would be useful.

Day to day tasks include but not limited to:

- Taking enquiries, phone and counter.
- Sales /quoting
- Design / Layout / Print & RIP
- General assistance in the workshop
- Vinyl application

What we expect from you:

- Positive, can do attitude
- Ability to connect with and motivate our small team of hard workers
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Signmaker / Vehicle Wrapper Cambridge

We are creative sign makers located in Shoreditch and we work with a wide and varied range of customers. Right now we're looking for an experienced estimator who can help our busy commercial team delivering quotes and managing projects.

The role focuses on customer service and sits at the heart of the company, working closely with our designers, suppliers and the production manager to develop accurate commercial documents at both the quoting and ordering stage.

We're looking for an experienced estimator who understands customer requirements, can create commercially viable estimates and is able to work closely with the production department to ensure timely ordering of materials to complete projects on time.

Here are some of the essential attributes we're looking for:

- At least 3 years in a similar role. Customer focused and commercially driven
- Excellent communication skills. A sense of humour
- A good knowledge of all aspects of sign making, production and installation
- A proven ability to work under pressure, multi-task and prioritise workload
- A team player with a keen eye for details
- A desire to contribute to the overall success of the company.

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Account Manager/Estimator North London

A family run sign company based in North London is looking for an Account Manager/Estimator with a 'can do' attitude to work within our office.

The role of Account Manager/Estimator here at Aspect Signs & Engraving is an important one and you will be required to have good customer service skills and understand our customers' requirements. You will be working closely with colleagues and trade suppliers, to create accurate, commercially viable estimates.

You will also be required to work closely with colleagues booking in jobs with the production & Installation teams to insure orders are completed on time.

The successful candidate will be required to have sign industry experience and be comfortable dealing with clients as well as being familiar with Microsoft Office packages. Training will be given for our quoting software (Clarity).

You will be required to work as part of a team and show good organisation, communication and numeracy skills. You must also have a good sense of humour.

.....Duties

- Answering the phone and talking to clients, discussing their requirements (occasionally meeting them on site to discuss).
- Estimate signage for customer's approval.
- Work closely with colleagues booking in for production & installation.
- Managing purchases for your specific jobs.
- Give quality service at all times and promote the company.
- Plus any other duties relevant to the position.

Job type - Permanent position

Hours of work - 09.00 to 17.30 - Monday to Friday

Salary - £25k to £31k (dependant on experience) + Pension

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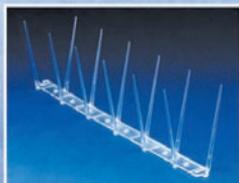
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Trade only supplier for all Flat cut lettering and Logo's. Available in Stainless steel, Aluminium, Alupanel, Dibond, Perspex, Foamex, Polycarbonate, Brass and all composite materials. Laser cutting and Router cutting services as standard. Painted finished are always available. We can supply with or without fixings and always with marked fitting templates. We also supply Builtup Metal lettering.

FABRICUT

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Tel: 020 8751 7250

mailus@fabricut.co.uk

www.fabricut.co.uk

Trade suppliers of flat cut letters and logos etc with a 24 hr next day service available. Lots of materials to choose from: Foamex, Perspex, Composites, MDF, Ply, Aluminium, Polished/Brushed Stainless. Aluminium Composite trays signs folded, glued ready for you to hang. Plastic, brass & nickel locators, various studs & sleeves, 3M VHB tape, drilling templates also available.

MORCANT DESIGNS LTD

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Industrial Estate, Dundee DD4 8XD

Tel: 01382 686 286

sales@morcant-designs.co.uk

www.morcant-designs.co.uk

Trade suppliers of flat cut letters and logos. We offer lettering in a variety of materials such as acrylic, foamex, dibond, stainless steel and aluminium which are supplied with or without fixings and templates. We also supply 3D built up lettering in stainless steel or acrylic.

SIGN HERE

179 Fosse Road North, Leicester, LE3 5EZ

Tel: 0500 428 021

sales@sign-here.co.uk

www.sign-here.co.uk

Trade service for flat cut lettering & logos in Acrylic Foamex, Dibond, Aluminium, Stainless steel & MDF. We will give you a professional reliable & efficient service at a competitive price. From a single letter to a fully illuminated sign ready for installation. For a quote or just friendly advice contact us. We are here to help.

SYGNET SIGNS LTD

129 Humberstone Rd, Leicester, LE5 3AP

Tel: 0116 262 6288

sales@sygnetsigns.com

www.sygnetsigns.com

We have over 5000 styles to choose from or you can send your own artwork. Letters/logos available in acrylic, foam, mdf, polycarb, dibond, stainless steel and much more. All cut by router or laser. With or without fixings. All works carried out in-house (we also manufacture built ups and much more).

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BROWNING'S LTD

157 English Street, Hull, HU3 2BT

Tel: 01482 380900

sales@browningstld.co.uk

www.browningstld.co.uk

Brownings is one of the largest, TRADE ONLY suppliers of signage products in the UK. The Company manufacture everything from poster frames to flexface signs. We can supply you lengths of extrusions, signs in kit form or make the whole sign for you. We utilise the Signcomp suite including Econoflex, Retroframe and Fascia Frame. All signs are to your individual, specific requirements.

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Tel: 0141 774 5990
sales@insightsignsystems.com
www.insightsignsystems.com
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MIDA SIGN SERVICES

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Specialised installers of all flexible faced systems. Nationwide service. Illuminated or non-illuminated. We can supply and install. Call for details.

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157 English Street, Hull, HU3 2BT
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Browning's is one of the largest, TRADE ONLY suppliers of signage products in the UK. We manufacture poster frames, menu cases, slimlocks, signtrim, troughlights, acrylic-faced light boxes, flexfaced signage and now our new Texsign frames for internal use. We supply in any size or quantity, from 1 off to multiple rollouts either as lengths of extrusion, in kit form or as made-up signs.

KINGS PLASTICS LTD

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For all types of sign. Individual flatcut & built up lettering, illuminated with LED's. Edgelite signs, illuminated signs, Modular sign systems, Frames & panels, engraving on plastics, aluminium and brass, labels and stencils. LED's & convertors etc. Also material supplies cut to size & laser cutting. A complete service to the trade. For further information, check out our website & online shop.

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www.blueprintsigns.co.uk
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www.accentssignsltd.co.uk

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Trade suppliers of proven LED lighting solutions and manufacturers of the flat lighting unit, LED Light Sheet. Energy efficient, award winning LED lighting modules in a variety of colours including RGB (colour changing) are available for both indoor and outdoor applications. Applelec offer unrivalled service and after sale technical support for our LED solutions to ensure customers receive continued assistance.

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Mid West Displays manufacture wide range of LED illuminated Light Panel Poster Displays. We also stock wall mounts, snap frames, mirror screws, cable/rod suspended systems, poster pockets and many more. We are pleased to be working with the highest quality materials at competitive prices.

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Tel: 01903 750333

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www.signscape.co.uk

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SIMPLEX LTD

Unit 3 - 16 Peter Rd, Lancing Business Park, Lancing, West Sussex. BN15 8TH

Tel: 01903 750333

sales@simplexLtd.com

www.simplexLtd.com

Simplex are a trade only supplier of sign systems and metal fabrications. We offer a range of Pole & Plank products for post and wall mounted signs, fingerposts and mini monoliths. For versatile curved interior directories our System 4 is unbeatable whilst as an approved converter for the Accord 15 "slat" type system and a recognised supplier of MSS we really hope we can help with all your needs.

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sales@mercuryPhillips.co.uk

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project.plastics@btinternet.com

www.projectplastics.co.uk

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accsign1@aol.com

www.accentSignsLtd.co.uk

Largest range of moulded acrylic letters in the UK. Mirror effect moulded letters, LED illumination, logos, panels, complete fascia panels, blow moulding, aluminium, composite trays and more! Samples on request.

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accsign1@aol.com

www.accentSignsLtd.co.uk

Accent Signs "LITEFORM" letters & logos with a moulded half round acrylic profile of only 15mm to look like Neon glass. Illuminated with super bright Led's. Available in a wide range of colours. Suitable for internal & external use. Supplied with standard locator fixings for ease of fitting.

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www.signscape.co.uk

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Tel: 01493 419300

enquiries@signwaves.co.uk

www.signwaves.co.uk

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PLASTIC SHEETS

BRETT MARTIN PLASTIC SHEETS

24 Roughfort Road, Mallusk, Co Antrim
BT36 4RB

Tel: 028 9084 9999

semifinished@brettmartin.com

www.brettmartin.com

Brett Martin is a leading manufacturer of plastic sheet products for signage, interior design, shop outfitting, POS displays and fabrication. Products include Foamalux, the extensive foam PVC range in bright White, Satin and Gloss colours and an environmentally friendly Recycled material in addition to Polycarbonate, PVC, Acrylic, aPET, PETg, SAN and Styrene sheet.

N E PLASTICS LTD

Unit 1, Ruxley Corner Industrial Estate,
Edgington Way, Sidcup, Kent DA14 5BL

Tel: 020 8308 9990

sales@neplastics.co.uk

www.neplastics.co.uk

One of the largest independent stockholders of semi-finished plastics in the UK, offering a huge range of both branded and own label products including Perspex, Alliance ACP, Foamalite, Lumex and Arla. A next day delivery service on cut to size and polished Perspex is available. We also offer a trade service on CNC Router & Laser cutting, Sign trays and bespoke plastic fabrication.

PERSPEX DISTRIBUTION LTD

2-3 Lonebarn Link, Springfield Business
Park, Chelmsford, Essex CM2 5AR

Tel: 01245 232800

sales.chelmsford@perspex.co.uk

www.perspex.co.uk

Perspex Distribution offer Perspex cast acrylic, extruded acrylic, aluminium composite, PVC foam and other thermoplastic sheets for the sign industry from their 4 distribution centres in Blackburn, Chelmsford, Tamworth and Weybridge. With a comprehensive stock-holding in many colours and finishes and a cut to size service at all branches, Perspex Distribution can deliver your requirements fast.

RIGHTON LTD

Righton House, Elliott Way, Nexus Point,
Holford, Birmingham B6 7AP

Tel: 0121 356 1141

marketing@righton.co.uk

www.righton.co.uk

UK distributor of Polycasa cast & extruded sheet and Policril cast acrylic. Available in a wide range of clear, opals, colours and special finishes. Also stocked: Alucobest aluminium composite sheet, Marlon solid polycarbonate, PET-G, SAN, polystyrene, hygienic cladding, rigid PVC and fixing accessories, sign post systems, aluminium sheet and extrusions.

TELEGAN PRESSED PRODUCTS LTD.

Unit 3, Old Mercedes Building, Stour Road,
Bathside, Harwich, Essex, CO12 3HF

Tel: 01255 554141

sales@teleganpressedproducts.com

www.teleganpressedproducts.com

Leading manufacturer of plate pressed PVC sheet offering equivalents to Darvic, Pacton and Cobex under our trade name TELBEX. We also manufacture VYNALAST™ engraving laminate. A comprehensive range of photoluminescent boards and self adhesive vinyl is available in PSPA class B and Class C to order.

THYSSENKRUPP MATERIALS (UK) LTD

Coxs Lane, Cradley Heath, West Midlands
B64 5QU

Tel: 0844 846 9573

sales.tkmuk@thyssenkrupp.com

www.thyssenkruppmaterials.co.uk

thyssenkrupp Materials are stockists of plastics and aluminium for the sign industry. Experienced staff and an extensive product range give customers the flexibility to cover all their requirements. Products include Acrylic, PETG, Polycarbonate, Dibond and Foam, alongside which we offer a cut to size service and shipment to all areas on our own transport.

POINT OF SALE FITTINGS

UK POINT OF SALE GROUP LTD

Horsfield Way, Bredbury Park Industrial
Estate, Stockport SK6 2TD

Tel: 0161 431 4400/4411

www.ukpos.com

UK Point of Sale leading manufacturers of display products Acrylic & PVC poster holders, Sign Supports, Aluminium Snap Frames, A Boards, Poster cases & Point of sale fittings.

POLYSTYRENE SIGN SERVICE

Fonteyne Signs & Displays

Unit 3, 181 Verulam Road, St Albans, Herts
AL3 4DR

Tel: 01727 832146

studio@fonteynesigns.co.uk

www.fonteynesigns.co.uk

Manufacturers of all types of polystyrene cut letters, graphics & 3-dimensional models. Virtually any logo, graphic or shape can be cut in polystyrene. Especially useful for short term exhibition, conference or promotional use (All polystyrene has a fire retardant additive). Polystyrene can be faced with vinyl or inkjet prints. Fitting service nationwide. Established 1976.

POSTER HOLDERS / CASES

BROWNINGS LTD

157 English Street, Hull, HU3 2BT

Tel: 01482 380900

sales@browningsltd.co.uk

www.browningsltd.co.uk

Brownings is one of the largest, TRADE ONLY suppliers of signage products. We manufacture poster frames, menu cases, slimlocks, signtrim, troughlights, acrylic-faced light boxes, flexfaced signage and now our new Texsign frames for internal use. The two versions of poster holders, the slimlock and menu case are both thin, lockable and hinged. They are available in any practical size and colour.

INSIGHT SIGN SYSTEMS

67 Dykehead Street, Queenslie Industrial
Estate, Glasgow G33 4AQ

Tel: 0141 774 5990

sales@insightsignsystems.com

www.insightsignsystems.com

Insight is a trade only manufacturer, offering made to measure service, with in-house powder coating. A wide range of options is available for displaying posters and transparencies (panels not included), including back-lit or non-illuminated, wall mounted or free standing etc. Hinged opening front provides access for maintenance. Rubber gaskets and slam locks provide security. Suitable for outdoor use.

SIGNSCAPE AND SIGNCONEX LTD

Pear Tree Works, Bath Road, Upper
Langford, Bristol BS40 5DJ

Tel: 01934 852 888

sales@signscape.co.uk

www.signscape.co.uk

Serving the Sign Trade for over 40 years, we are a leading manufacturer of modular sign systems, notice boards & information displays. Our Avenue poster case provides high quality yet affordable, external poster display. Sizes from A4-A0, in wall, post, and rail mounted versions, with headers and sign panel options. We also manufacture illuminated menu cases for hotel and restaurant settings.

SIGNWAVES

Lefevre Way, Gapton Hall Industrial Estate,
Great Yarmouth, Norfolk NR31 0NW

Tel: 01493 419300

enquiries@signwaves.co.uk

www.signwaves.co.uk

Signwaves supplies Poster Displays suitable for both indoor and outdoor use. As the UK's largest manufacturer of point of sale signs and displays, we can provide you with high quality Poster Frames, Snapframes, Menu Cases and lockable Noticeboards.

UK POINT OF SALE GROUP LTD

Horsfield Way, Bredbury Park Industrial
Estate, Stockport SK6 2TD

Tel: 0161 431 4400/4411

www.ukpos.com

UK Point of Sale leading manufacturers of display products Acrylic & PVC poster holders, Sign Supports, Aluminium Snap Frames, A Boards, Poster cases & Point of sale fittings.

PRINT/POSTER FRAMES

BROWNINGS LTD

157 English Street, Hull, HU3 2BT

Tel: 01482 380900

sales@browningsltd.co.uk

www.browningsltd.co.uk

Brownings is one of the largest, TRADE ONLY suppliers of signage products in the UK. We manufacture poster frames, menu cases, slimlocks, signtrim, troughlights, acrylic-faced light boxes, flexfaced signage and now our new Texsign frames for internal use. The aluminium frame are available in two widths, 25mm and 38mm, can be supplied to your specification and can even be illuminated.

SIGNWAVES

Lefevre Way, Gapton Hall Industrial Estate,
Great Yarmouth, Norfolk NR31 0NW

Tel: 01493 419300

enquiries@signwaves.co.uk

www.signwaves.co.uk

Signwaves supplies poster displays suitable for both indoor and outdoor use. As the UK's largest manufacturer of point of sale signs and displays, we can provide you with high quality poster frames, Snapframes, Menu Cases and Lockable Noticeboards.

UK POINT OF SALE GROUP LTD

Horsfield Way, Bredbury Park Industrial Estate, Stockport SK6 2TD
Tel: 0161 431 4400/4411
www.ukpos.com

UK Point of Sale leading manufacturers of display products Acrylic & PVC poster holders, Sign Supports, Aluminium Snap Frames, A Boards, Poster cases & Point of sale fittings.

PROGRAMMABLE LED DISPLAYS

JAYEX TECHNOLOGY LTD

13 Sovereign Business Park, Coronation Road, London NW10 7QP
Tel: 020 8838 6222
sales@jayex.com

www.led-signs-international.com
Jayex is the UK's largest trade supplier and designer of dynamic moving message LED text and video products. We provide indoor and outdoor LED displays that can be embedded into static signs or used as stand-alone items providing an eye-catching display of virtually any shape and size. We will design and price LED products for your project, helping to keep your workload to a minimum.

MESSAGEMAKER DISPLAYS LTD

Unit 43 Ormside Way, Holmethorpe Industrial Estate, Redhill, Surrey RH11 2LG
Tel: 01737 774 738
info@messagemaker.co.uk

www.messagemaker.co.uk
Programmable LED text and video specialists for Electronic Digital Signage, standalone or incorporate in your own sign project. Many products are available from stock for Indoor & Outdoor applications, over 15 years experience in the market. Call now for a free quotation or to arrange a visit from a member of our national sales team.

PROJECTING SIGNS

IRON DESIGN

37A Douglas Rd., Poole, BH12 2AU
Tel: 01202 463573

enquiries@ironsigns.com
www.ironsigns.com

Leading trade suppliers of high quality traditional and contemporary projecting signs and brackets, offering a large range of brackets, panels and lights off the shelf, as well as a comprehensive bespoke service. Competitive prices and next day service. Please visit our website or phone for a brochure.

SIGNWAVES

Lefevre Way, Gapton Hall Industrial Estate, Great Yarmouth, Norfolk NR31 0NW
Tel: 01493 419300

enquiries@signwaves.co.uk
www.signwaves.co.uk

Signwaves are a UK based supplier and manufacturer of Projecting Signs, fabric Flags and Flying Banners for internal and external use. Our range also includes Snapframes, Pavement Signs and A-Boards, Internal and External Poster Display and Café and Rope Barriers.

REFLECTIVE VINYL/TAPES

ATC LTD

Caif Hey South, off Well'ith Lane, Rochdale OL11 2JS
Tel: 01706 633043

sales@apptape.co.uk
www.apptape.co.uk

Suppliers of Micro prismatic reflective tapes (3m, Avery, Reflexite) and glass bead reflective vinyl for use on emergency vehicles (police cars & chapter 8 legislation etc) also HGV markings as per EC 104. We stock Conspicuity tape manufactured by Reflexite and Avery which are some of the most reflective materials available on the market. Chapter 8 chevron kits also available.

TENNANTS UK LTD

Tennant House, Mount Street, New Basford, Nottingham NG7 7HX

Tel: 0115 973 8080
sales@tennantsuk.com
www.tennantsuk.com

The UK's largest distributor of Orafol and Reflexite reflective vinyl. Our range includes Class Ref. 1, Class Ref. 2, Micro-Prismatic, commercial grade, engineering grade, construction grade & hi-intensity in many colours. Used for chapter 8 chevron kits, ECE 104 conspicuity tape, permanent & temporary road signs & emergency vehicles. Visit our website for guides, prices & application instructions.

ROAD SIGNS

TENNANTS UK LTD

Tennant House, Mount Street, New Basford, Nottingham NG7 7HX

Tel: 0115 973 8080
sales@tennantsuk.com
www.tennantsuk.com

Tennants UK is one of the UK's largest manufacturers of temporary road signs and distribute economy grade Zintec road signs through to BS EN 12899-1 specified permanent signs. Many years have been spent working closely with leading Traffic Management and construction companies enabling Tennants UK to cater to their every need, including metal frames, cones, barriers, lamps & sign design software.

ROUTER CUTTERS/PLOTTER BLADES

ATA ENGINEERING PROCESSES

ATA House, Unit B, Boundry Way, Hemel Hempstead, Herts HP2 7SS

Tel: 01442 264411
sales@ataeng.com
www.ataeng.com

Extensive range of high quality solid carbide, PCD, carbide tipped and HSS cutters manufactured by ONSRUD CUTTER offer routing solutions for most types of material.

EDWARD MATHIAS & CO

PO BOX 121, Frodsham, Cheshire, WA6 1AA

Tel: 01928 739 799
info@edwardmathias.com
www.edwardmathias.com

Specialist manufacturers/suppliers of tungsten carbide plotter blades and router cutters. We don't just sell blades, we are the UK's leading manufacturer. Note - we have no connection with any other company who sell or re-sharpen blades.

SCREEN PRINTING

3S PRINT & DISPLAY

Unit 9 Hortonwood 33, Telford, Shropshire TF1 7EX

Tel: 01952 677506
sales@3s-signs.co.uk
www.3s-signs.co.uk
www.3sballoons.com

Screenprinters to the sign trade. POS, Estate Agency boards. Full colour up to 8' x 5', vinyl stickers, mark resist, Foamex. Contact us for best trade prices on large or small runs.

CLEARSCORE LTD

Unit 1, Tudor Works, Turret Lane, Ipswich IP4 1DL

Tel: 01473 212751
sales@clearscore.co.uk
www.clearscore.co.uk

Trade service for high quality screen printing, large or small runs on to most substrates. Providing high quality service and products since 1978.

DARTFORD ENGRAVING & SCREENPRINTING LTD

Unit 4 Power Works Industrial Estate, Slade Green Road, Erith, Kent DA8 2HY

Tel: 01322 340 194
mail@desp.co.uk
www.desp.co.uk

DESP has been trading for over 50 years. Screenprinting, anodic printing, correx boards, stickers, overlays, signs, chemical etching, engraving processes also covered (ALL CARRIED OUT INHOUSE), including artwork. So whether its a 1 off or 1,000s off, we can offer a quick competitive turnaround.

FIRST SIGNS & LABELS LTD

Unit 1, Raynham Close, Raynham Rd Ind Estate, Raynham Road, Bishops Stortford, Herts, CM23 5JP

Tel: 01279 467999
sales@firstsignsandlabels.co.uk
www.firstsignsandlabels.co.uk

We specialise in high quality screen printing. We are suited to meet print requirements onto many substrates. We have finishing capabilities with die cutting and CNC routing. We offer a fast and efficient service, should you require 1 off's or larger run's give our team a call.

HT SCREEN PRINT

9 Merlin Way, Hillend Industrial Estate, Dalgety Bay, Fife, KY11 9JY

Tel: 01383 824522
info@htscreenprint.co.uk
www.htscreenprint.co.uk

Trade screen printing of garments, estate agency boards, pvc, vinyl, acrylics, metals, glass, wood, POS, anything flat. HT Screenprint have been in business for over 20 years, supplying the highest quality screen printing to the trade at very competitive prices. Our experience produces quality quickly!

HUMPHREYS SIGNS LTD

Unit 6, Spencer Trading Estate, Denbigh, North Wales LL16 5TQ

Tel: 01745 814066
sales@humphreys-signs.co.uk
www.humphreys-signs.co.uk

Trade Printers for over 40 Years. Estate agency boards a speciality (price list on our web site) Printing on correx, pvc, vinyls, acrylics, magnetics as well as digital printing. Large and small runs.

MERCURY & PHILLIPS SIGNS

51/59 Waterworks Rd. Norwich NR2 4DA
Tel: 01603 666699

sales@mercuryphillips.co.uk
www.mercuryphillipssigns.co.uk

High quality screen printing to all types of rigid and flexible base materials ie. self-adhesive vinyl, paper, plastic and metal. From single to full colour and small or large runs.

SCULPTORS

BRYAN RAWLINGS DESIGN

45 Nunney Close, Keynsham, Bristol BS31 1XG

Tel: 0117 986 7894 / 7291
bryan@bryanrawlings.com
www.bryanrawlings.com

Designers and makers of coats of arms, emblems and all types of sculptural and decorative signage. GRP, cast resins, metals, detailed hand painting and much more. Large range of royal coats of arms available. Specialist suppliers to the sign trade.

SHEET MATERIALS

NE PLASTICS LTD

Unit 1, Ruxley Corner Industrial Estate,
Edgington Way, Sidcup, Kent DA14 5BL
Tel: 020 8308 9990

sales@neplastics.co.uk

www.neplastics.co.uk

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RIGHTON LTD

Righton House, Elliott Way, Nexus Point,
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Tel: 0121 356 1141

marketing@righton.co.uk

www.righton.co.uk

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TELEGAN PRESSED PRODUCTS LTD.

Unit 3, Old Mercedes Building, Stour Road,
Bathside, Harwich, Essex, CO12 3HF

Tel: 01255 554141

sales@teleganpressedproducts.com

www.teleganpressedproducts.com

Leading manufacturer of plate pressed PVC sheet offering equivalents to Darvic, Pacton and Cobex under our trade name TELBEX. We also manufacture VYNALAST™ engraving laminate. A comprehensive range of photoluminescent boards and self adhesive vinyl is available in PSPA class B and Class C to order.

VISIONS IN PLASTICS

Unit 3, Delta Court (Robin Hood Airport),
Auckley, Doncaster, DN9 3GN

Tel: 01302 775920

sales@visionsinplastics.co.uk

www.visionsinplastics.co.uk

Stocks of Mirrored Extruded Acrylic in clear, 19 colours, See-Thru, Two sided, Anti Scatch, Anti Fog, Mirrored Polycarbonate, Petg and Polystyrene. Non mirrored sheet in Acrylic, ABS, Polycarbonate, Polystyrene and PVC Foam.

SIGN & DISPLAY SYSTEMS

SIGNSCAPE AND SIGNCONEX LTD

Pear Tree Works, Bath Road, Upper
Langford, Bristol BS40 5DJ

Tel: 01934 852 888

sales@signscape.co.uk

www.signscape.co.uk

Serving the Sign Trade for over 40 years, we are a leading manufacturer of modular sign and display systems, notice boards & other information displays. Our 6 major sign systems are used and combined, to create a wide range of sign display solutions, including full signage schemes. With all products made to order, we specialise in tailoring solutions to suit each client, location and application.

SIGNWAVES

Lefevre Way, Gapton Hall Industrial Estate,
Great Yarmouth, Norfolk NR31 0NW

Tel: 01493 419300

enquiries@signwaves.co.uk

www.signwaves.co.uk

Signwaves are UK manufacturers of signs and display products for internal and external use. Our range includes Snapframes, Pavement Signs and A-boards, Forecourt signs, Poster Displays, Menu and Brochure Displays, Projecting Signs and Flags and Cafe and Rope Barriers.

VISTA SYSTEM LTD

103 High Street, Waltham Cross, Herts, EN8
7AN

Tel: 0800 404 9151

www.vistasystem.com

Vista System is an international pioneer and world leader in Modular Aluminum Sign Frames with distribution all over the globe. We offers a wide range of products, running the gamut from curved to flat signs, small and extra large signs, LED illuminated and Frame-less signs, innovative Brochure Holders, Illuminated Stretch Fabric signs and many more.

SIGN CASES

INSIGHT SIGN SYSTEMS

67 Dykehead Street, Queenslie Industrial
Estate, Glasgow G33 4AQ

Tel: 0141 774 5990

sales@insightsignsystems.com

www.insightsignsystems.com

Insight is a trade only manufacturer, offering a made to measure service, with in-house powder coating. A wide range of aluminium signcases are available, ready to accept acrylic panels, with several trim styles to choose from, and various options including hinged opening fronts, gas strut assisted opening, stand-off brackets etc.

SIGN MAKING SOFTWARE

DELCAM LTD

Small Heath Business Park, Birmingham
B10 0HJ

Tel: 0121 766 5544

info@artcam.com

www.artcam.com

Delcam provides sign-makers worldwide with its ArtCAM range of CAD/CAM software, Express, Insignia and Pro, to create 2D and 3D signs. The entry-level package, ArtCAM Express starts from £99 and can be customised with modules (E.g. nesting and font creation).

SIGN SUPPORT SYSTEMS

E-SIGNFITTINGS HOBDAY LTD

57 Aston Brook Street East, Aston,
Birmingham, B6 4RR

Tel: 0121 608 4431

sales@e-signfittings.co.uk

www.e-signfittings.co.uk

E-Signfittings are one of the largest suppliers of Sign Standoffs, Cable & Rod Display Systems in the UK. We have large stocks available on next day delivery for orders received before 3pm and are equipped to supply orders from a few pounds up to thousands of pounds. Products in our range include Screw Head Covers, Poster Hanging Systems, Sign Hanging Systems, Leaflet Holders and Poster Displays.

FAIRFIELD DISPLAYS & LIGHTING LTD

127 Albert Street, Fleet, Hants GU51 3SN

Tel: 01252 758 934

sales@fairfielddisplays.co.uk

www.fairfielddisplays.co.uk

Sign support systems for any internal signage. Wall mounts, directory systems, hanging banner systems, suspended cable/rod systems. Custom made acrylic signs supplied as blanks or printed to your requirements. Best quality components at highly attractive trade terms. See the full range on the website or call for a comprehensive brochure. Showrooms in Fleet & Shrewsbury

I-SPI LTD

47 Mansionhouse Road, Mount Vernon,
Glasgow G32 0RP

Tel: 0141 764 1600

sales@ispitrade.com

www.ispitrade.com

I-SPI Trade supplier of sign support systems. Our range includes wall mounts, cable & rod display systems, screw covers, LED lighting and much more all at THE REAL TRADE PRICE. Massive stocks and next day delivery. See our products on our web site or give Stephen or Sean a call for a brochure.

MID WEST DISPLAYS

The Display Centre, Knights Way, Battlefield
Enterprise Park, Shrewsbury SY1 3AB

Tel: 01743 465531

sales@midwestdisplays.co.uk

www.MidWestDisplays.co.uk

Mid West Displays stock a wide range of sign support systems. We also stock wall mounts, snap frames, mirror screws, cable/rod suspended systems, lighting, poster pockets and many more. We are pleased to be working with the highest quality materials at competitive prices.

UK POINT OF SALE GROUP LTD

Horsfield Way, Bredbury Park Industrial
Estate, Stockport SK6 2TD

Tel: 0161 431 4400/4411

www.ukpos.com

UK Point of Sale leading manufacturers of display products Acrylic & PVC poster holders, Sign Supports, Aluminium Snap Frames, A Boards, Poster cases & Point of sale fittings.

SIGN SURVEYOR

PB WILLIAMS SIGN SURVEYOR

48 Durley Rd, Aintree L9 9AW

Tel: 07885 486 182

pbwilliams48@yahoo.co.uk

We specialise in sign surveying to the trade, with 30 years of experience as a sign fitter/manufacturer. I was contracted to large companies in the north west, and country wide. I am based in Merseyside and have PASMA, IPAF/PAL & CSCS qualifications and will travel UK and Europe. For further details please contact the above number or email.

SIGN TRADE SUPPLIERS

BROWNING'S LTD

157 English Street, Hull, HU3 2BT

Tel: 01482 380900

sales@browningltd.co.uk

www.browningltd.co.uk

Brownings is one of the largest, TRADE ONLY suppliers of signage products in the UK. We manufacture poster frames, menu cases, slimlocks, signtrim, troughlights, acrylic-faced light boxes, flexfaced signage and now our new Texsign frames for internal use. Any size or quantity, from 1 off to multiple rollouts. We are happy to supply as lengths of extrusion, in kit form or as made-up signs.

SIGNSCAPE AND SIGNCONEX LTD

Pear Tree Works, Bath Road, Upper Langford, Bristol BS40 5DJ
Tel: 01934 852888
sales@signscape.co.uk
www.signscape.co.uk
Serving the Sign Trade for over 40 years, we are a leading manufacturer of modular sign systems, notice boards & information displays. Our systems create a wide range of sign solutions including; post and panel, flush panel and curved panel signs; wayfinding signs, wall directories, monolith and fingerpost signs. Other products include exterior notice boards, poster/menu cases, and letter boards.

SIGNWAVES

Lefevre Way, Gapton Hall Industrial Estate, Great Yarmouth, Norfolk NR31 0NW
Tel: 01493 419300
enquiries@signwaves.co.uk
www.signwaves.co.uk

Signwaves is a UK manufacturer of signs and display products for internal and external use. Our range includes Snapframes, Pavement Signs and A-boards, Forecourt signs, Poster Displays, Menu and Brochure Displays, Projecting Signs and Flags and Cafe and Rope Barriers.

SYGNET SIGNS LTD

129 Humberstone Rd, Leicester, LE5 3AP
Tel: 0116 262 6288
sales@sygnetnsigns.com
www.sygnetnsigns.com
We manufacture most sign solutions you will ever need. Fascia's, built up letters/logos, flat cut letters/logos, laser/router cutting service, "off the shelf" or made to measure illuminated poster cases, LED illumination, powder/stove enamel coatings, 3D development in both design and manufacture. All works carried out in-house.

THE SIGN GROUP

Victoria Works, Bruntcliffe Road, Morley, Leeds, West Yorkshire, LS27 0LF
Tel: 0113 25 24 706
info@thesigngroup.co.uk
www.thesigngroup.co.uk
We are a specialist trade manufacturer of bespoke sign systems to the signage, design, shopfitting and display industries throughout Europe. Services Include: Built up letters/logos, sign trays, lightboxes, flat cut letters/logos, laser/cnc cutting, SG LightSheet™, LED Stockists. All inhouse, all in control.

SOLAR POWERED SIGNS & DISPLAYS

SIGNSCAPE AND SIGNCONEX LTD

Pear Tree Works, Bath Road, Upper Langford, Bristol BS40 5DJ
Tel: 01934 852 888
sales@signscape.co.uk
www.signscape.co.uk
An eco-friendly and long term cost effective solution, our Eco-Vision Solar Display System provides solar powered illuminated noticeboards, monoliths and stencil cut backlit signage. Powered purely by daylight, it is an ideal solution for remote and highly urban locations where illuminated information is required and where routing a mains power supply is undesirable, unpractical or costly.

SPECIALITY FILMS

ATC LTD

Calf Hey South, Off Well'ith Lane, Rochdale, Lancs OL11 2JS
Tel: 01706 633043
sales@apptape.co.uk
www.apptape.co.uk
Suppliers of various speciality films including Etch glass, Reflective, Fluorescent, Reflexite daybrite, Reflexite prismatic reflective, Hi intensity reflective, Photoluminescent, Cast metallics, 2yr Fluorescent, Gemstone metallics, Multi lens, Transparent colours, Checker plate, Mirror colours, Prismatic colours, Glitter colours, Brushed aluminium silver and gold.

MACTAC UK LTD

37 Tenter Road, Moulton Park, Northampton NN3 6AX
Tel: 01604 644697
www.mactac.eu
MACTac are global manufacturers of self-adhesive Speciality Films incl PVC, PET, PP, PE and more. World renowned brands include MACmark (coloured Vinyls) MACscreen, Imagin and Permacolor inkjet printable films and Protection Laminates. Also available, a diverse range of Technical Tapes and Label substrates using Speciality Films and products Class O fire-rated and CBS Outdoors (Viacom) approved.

STONE ENGRAVING

SOMERVILLE STONE LTD

Eastney Pumping Station, Beam house Museum, 199 Henderson Road, Southsea, Portsmouth, PO4 9JF
Tel: 08432 894 788 / 023 9282 4457
Mob: 07711 386 023
info@somervillestone.co.uk
www.somervillestone.com
Stone Masons offering a stone engraving service. Deeply engraved lettering to your requirements on stone from all around the world, Business Signs, Property Signs.

STREET SIGNS

SIGNS OF THE TIMES LTD

Wingfield Road Tebworth, Beds, LU7 9QG
Tel: 01525 874 185
enquiries@sott.co.uk
www.sott.co.uk
Street signs in a variety of materials. Cast polyurethane, aluminium and bronze. Die pressed street signs for council specification. For a quotation send us the text required on your signs and specify what material is required.

TEXTILE SIGNAGE

BROWNING'S LTD

157 English Street, Hull, HU3 2BT
Tel: 01482 380900
sales@browning'sltd.co.uk
www.browning'sltd.co.uk
We manufacture poster frames, menu cases, slimlocks, signtrim, troughlights, acrylic-faced light boxes, flexfaced signage and now our new Texsign frames for internal use. Frames range from a 17mm "retro" extrusion to a 180mm deep double-sided application. The profiles can accept a digitally-printed image by way of a rubber keder attached to the edges of the print and can be changed in seconds.

TRANSFER PAPERS/HEAT PRESSES

THE MAGIC TOUCH

Unit 4, Apex Business Centre, Boscombe Road, Dunstable LU5 4SB
Tel: 01582 671 444
sales@themagictouch.co.uk
www.themagictouch.co.uk
Manufacturers of Transfer Papers and Materials used in conjunction with Laser Printers and Copiers (toner based) for full colour image transfer onto T-Shirts, Caps, Polo's, Mugs, Mousemats etc. Plus Magicut™ film for use with Plotter/Cutter for heat transfer.

TROUGH LIGHTING

BROWNING'S LTD

157 English Street, Hull, HU3 2BT
Tel: 01482 380900
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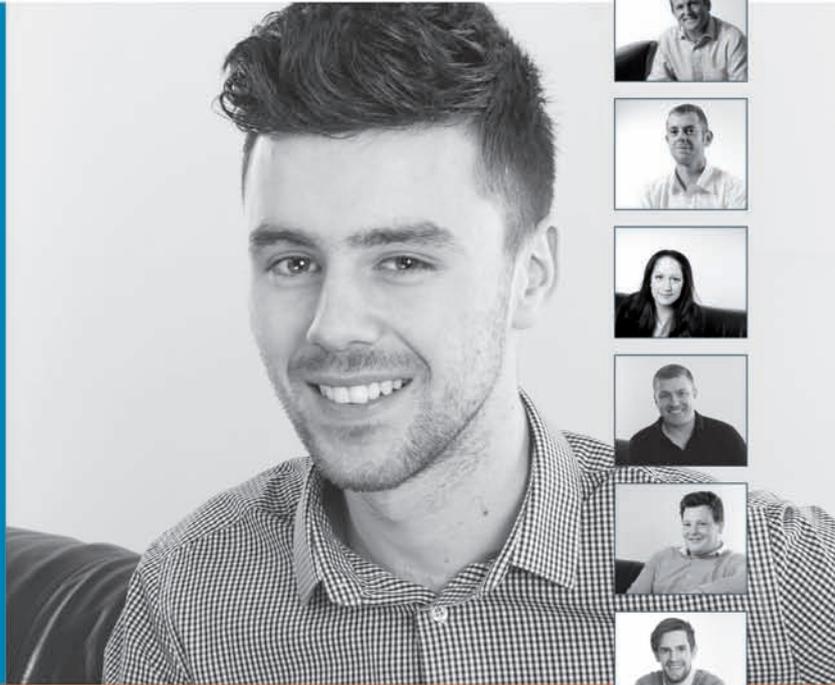
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