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FEBRUARY/MARCH 2016 ISSUE 162 £2.50

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(Page 18 & 19)



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# WELCOME Page

## A brighter future

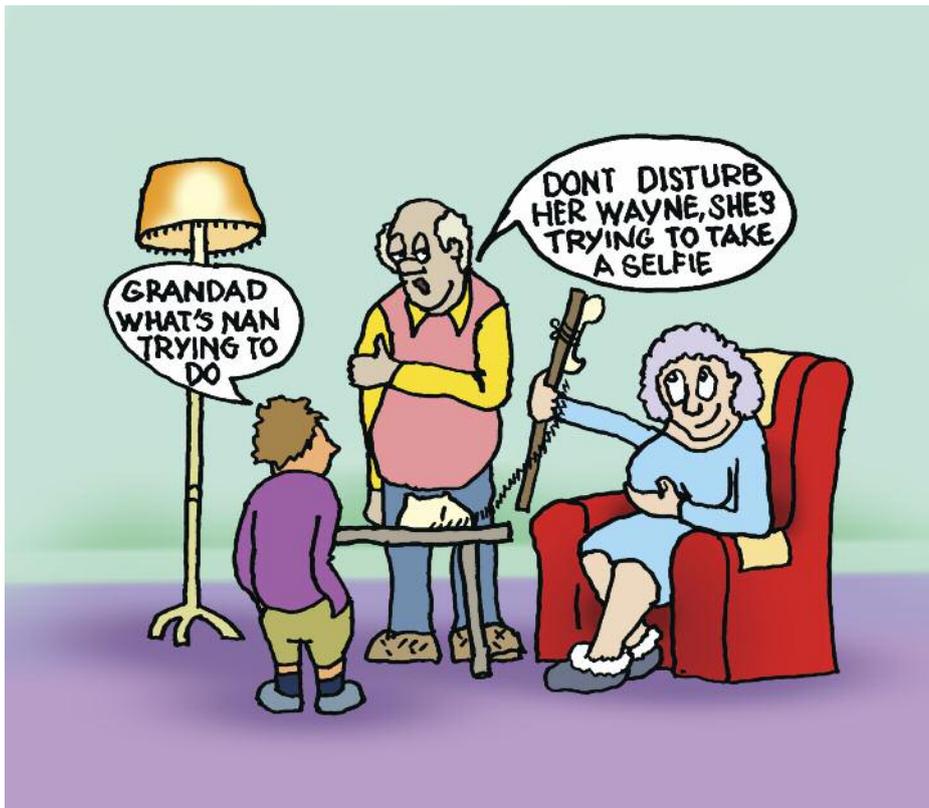
Spring is round the corner (ever the optimist) and it feels we need to shrug off the heaviness of winter and look ahead to brighter things. And where better to start, than explore the huge range of new products recently launched. Or read about the success businesses have had with their investments, if you are starting to look around for your next purchase. There is healthy competition in the industry, so if you are thorough and explicit about what you need a new product for, there is the perfect option for you. We've come across so many knowledgeable people, who really understand what they are selling, so it's easy to get educated about what's out there, and what is good for your business.

Two features for your enjoyment in this issue: soft signage and fixtures and fittings. Our American correspondent also writes about soft signage in his column, From across the pond. It's not long to go before FESPA Digital, so read about some of the highlights and hopefully see you there!

We love hearing from our readers, so if you have news or a project you would like featured, please get in touch. Or if you feel your knowledge on a subject or technique could help others, become one of our technical writers. No writing experience necessary!

Till the next time...

Kathryn



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## Colourful commemorative images on Corian

Brunel Engraving's latest collection of quartz, slate, granite and marble effect Corian plaques are available with the additional feature of photographic imagery.

The introduction of Corian Photo Plaques to their range brings a further bespoke design option for this 'versatile, solid, hard wearing' acrylic based material. It is becoming an increasingly popular choice for commemorative and memorial plaques, says the company.

"We are able to offer the opportunity to feature photographic images of a loved one or a treasured pet together with chosen words engraved as a lasting tribute on a material which retains its finish and doesn't dull with age", says Martyn Wright, managing director.

Corian Photo Plaques are also 'ideal' to commemorate events and buildings; celebrate new constructions with relevant imagery; and for topping out ceremonies. They can feature full colour photographic company logos for business premises.

"Corian has made a big impact on our market and is selling extremely well. The trade love it because it's a great product to sell as it looks like natural stone but it reacts to the elements better than stone. It's comparable in price but it keeps its looks for longer being non-porous, stain resistant, seamless, repairable and renewable and heat resistant. The addition of the



Corian Photo Plaque can be used to commemorate new buildings.

photographic image option for the Corian selection has increased the customer's choice and added another element to our offer," says Martyn.

Products are available to the trade in a range of different sizes and are supplied

with screw fixings and domed caps. They provide a bespoke sizing service; cutting, finishing and polishing each individual piece.

Corian is acrylic based, which means it doesn't fade or discolour, says the company.

## The Lightblade flatbed CO2 machine

Thinklaser will again demonstrate their Lightblade 3040 CO2 flatbed laser engraving and cutting machine at this year's Sign and Digital. This versatile piece of equipment, and the smallest of the Lightblade range, offers a working area of 300 x 400mm. This makes it ideal for many sign making applications, says the company.

The machine is capable of cutting and engraving a wide variety of materials due to the properties of its CO2 laser; such as acrylic, wood, paper, card, foam, synthetic materials, glass and leather. Due to its condensed size, the 3040 machine is able to offer this incredible technology at a great price, starting at only £3375. If this working area is too small, larger machines up to 1600mm by 1000mm are available.

One of the great features about the Lightblade machines is their software compatibility, able to handle input from Corel-Draw, Photoshop and AutoCad. They can also handle a variety of file formats including

Ai, DST, BMP, DXF and PLT. This means you can continue using the graphics package with which you are familiar and makes these machines 'fantastic for hobbyists, sign-makers and designers'. One of the key advantages to a Thinklaser machine is that this British company maintain full control over the design and manufacture of their laser systems.

If a customer is not looking to purchase a machine, Thinklaser also offer laser engraving, cutting and marking services through their subcontract department. For many clients this is a great way of accessing the technology without the outlay of owning their own machine.

For inspiration, read some of Thinklaser's case studies to see examples of the wide variety of applications that utilise this technology: [thinklaser.com](http://thinklaser.com)

Case studies include the laser engraving of Nike trainers, medical instruments and even the foot pedal of an Aston Martin!

The Sign & Digital UK show is being held from the 19 to 21 of April 2016 at the Birmingham NEC.



The Lightblade 3040 CO2 laser engraving and cutting machine will be at this year's Sign and Digital show.

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## CMA Perfect Photo

CMA Imaging has introduced its Perfect Photo portfolio of papers that covers all popular sizes. The new product family meets the demands of the customers, where users strive for 'consistent colour and black and white fidelity'.

The CMA Perfect Photo portfolio has been developed with product and coating stability to match requirements for consistency and colour accuracy.

Pierre-Alain Brugger, heads up the consultancy and research and development for CMA Imaging. He said: "I was formerly with Ilford in Switzerland, and I've designed various special layers and coatings for photographic, proofing and printing papers during my 30 years of experience. My expertise has meant that CMA Imaging is positioned ideally to develop the next generation of photo papers."

The products have been developed for use on all aqueous-based ink-jet printers using dye and pigmented inks. The bright white surface gives universal compatibility, guaranteeing consistent results regardless of output device, says the company.

### The papers complement CMA Color Cloud remote profiling software.

"The demand for photographic prints continues to grow across all sizes of printers, so our legacy in this sector has put CMA Imaging in the ideal position of bringing a product



CMA's Perfect Photo papers come in all relevant sizes.

to market that satisfies the needs of home and studio users, plus professional photo labs," says Mark Sanderson, Managing Director of CMA Imaging.

[www.cmaimaging.com](http://www.cmaimaging.com)

## Ritrama 670 Cast Supreme



The new range of self adhesive films can be used in a number of ways for striking effect.

Ritrama Spa, who make self-adhesive materials in Europe and worldwide, has launched the new 50µ 670 CAST Supreme Series. This increases the RI-MARK Range, which is dedicated to the decoration market. These films have different strengths and 'stand out on the market for their abilities to conform, stretch and are durable'. These features mean you can decorate any 3D surface, even those with irregular substrates with complex, concave or convex curves, and even in presence of rivets and corrugations.

The 670 CAST Supreme has a wide choice of colors, which consists of 52 gloss shades and two matt shades (white and black). "A unique range of eye-catching colors and shades to be appreciated in those areas where customisation is a distinctive and important feature for a high value communication. Such as POP advertising, car and boat wrapping, signage, and interior decoration," says a spokesperson.

670 CAST Supreme is a self-adhesive film that offers a unique guarantee of outdoor durability up to 10 years for vertical exposure in 'no-extreme climate conditions' such as Northern and Central Europe and North America.

[www.ritrama.com](http://www.ritrama.com)

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The new Easymount Air laminates stunning wide format graphics and board mounts, on one of the most advanced concepts ever seen in a wide format laminator.

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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 addition to Epson SureColor SC-P range

The latest addition to the SureColor SC-P series line-up, the 64-inch width SC-P20000, combines 'super-fast printing speeds with the same superior photo quality' as current SC-P models. According to Epson it is ideal for high volume production print environments who do not wish to compromise quality for productivity.

Designed for a range of businesses, the SC-P20000 is 'ideal' for those looking for a cost effective in-house production solution. The SC-P20000 can create high-quality, large-format POS; short-term outdoor and interior signage; exhibition & display graphics; promotional graphics and photographs.

The printer comes with a permanent PrecisionCore MicroTFP printhead for producing results up to 2400 x 1200 dpi, even at the highest print speeds. This is along with high-precision media feed technology, including a newly developed camera-based paper feed stabiliser and media inductive roller system.

Martin Johns, product manager, Epson UK, said: "We understand that the market has been waiting a long time for the next generation of our highly popular Epson Stylus Pro 11880 and, with the SC-P20000, we have created a significantly superior successor. This printer combines new rapid printing speeds with the same high output quality that Epson customers have come to expect, while delivering a range of new features and enhanced usability."



*The new SureColor SC-P2000 is aimed at businesses looking for a cost effective print solution.*

The SC-P20000 includes a number of features to help ensure the most precise and reliable results, such as a new Epson Ultra-Chrome Pro 10-colour inkset. Blacks will be deep and rich thanks to new high density photo and matte black inks. Better gradation with reduced graininess is achieved due to the inkset containing four shades of black ink, and Multi Size Droplet Technology (MSDT). A new printhead structure means fewer vibrations and more accurate ink droplets and dot placement.

During printing, a transparent printer

cover window and roll cover window allows users to check the status of printing and remaining media. After printing has finished, the position of the printhead means that it can be cleaned by the user, along with the ink cap, to help save on maintenance costs.

User efficiency and workflow can be improved further with an optional Adobe post script module; while an optional HDD allows jobs to be reprinted directly from the printer panel, without the need for a PC.

The SureColor SC-P20000 is available from March 2016.

## 'Beautiful' curves convey the message

The information floor sign, a two part, free-standing sign from Vista System, can be set up in minutes and only requires a screwdriver to install. Positioned on the floor, the roughly one metre metal stand holds a frame that accommodates A4 sized graphic, which can be switched out in moments. The curved black sign offers a sleek and contemporary look, says the company.

[www.vistasystem.co.uk](http://www.vistasystem.co.uk)  
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## New super-wide inkjet printer

Mimaki is to launch the TS500P-3200 super-wide format inkjet printer in February 2016. This 3.2-m wide roll-to-roll sublimation inkjet printer is a dedicated transfer paper printer for the textile industry. According to the company, it's ideal for a broad range of applications such as home furnishing textiles and indoor soft signage.

National Sales Manager – Textile & Apparel, Stephen Woodall said: "We're seeing the trend for on-demand textile printing develop from the fashion and sportswear markets into the interior décor and home furnishing sector. The benefits of digital print enable companies to deliver variable content in varying run lengths with very short lead times; thus capitalising on the technology.

"Personalisation works best when coupled with short lead times for the consumer; so another key factor is having a print operation located geographically close to its market, thus bringing manufacturing back to the UK & Ireland."

The super-wide format TS500P-3200 inkjet printer features a new type of printhead to deliver high-speed printing at 180sq m/h. There are 12 printheads arrayed in three staggered lines that eject ink droplets at high speed to maintain the appropriate ink droplet angle. This ensures high-quality printing results on low-cost thin transfer papers.

Mimaki's Advanced Pass System 4 (MAPS4) anti-banding function smooths the swath boundaries with reduced numbers of droplets to provide 'even more beautiful' printing. The newly designed Auto Media Feeder (AMF) allows stable transfer paper feeding at the high-speed setting to maintain print quality.

The environmentally friendly output does not emit volatile organic compounds after printing, says Mimaki. And when considering large expanses of display graphics or retail PoS, it helps reduce CO2 emissions during transportation because it is light-weight and foldable.

### Production benefits

Its 3.2m super-wide printable width is practical for sublimation transfer printing on extra-wide fabrics for curtains, bed linen, and other home furnishings. And with printing speeds of 180sq m/h it's highly productive too. A new printhead and feeding mechanism ensure high speed and quality printing on 3.2m wide media; which thanks to its AMF\*3 is capable of feeding media up to 3.2m wide and 130kg and in weight.

Mimaki's cockling-reduction transfer mechanism supports high-speed production on wide papers. And the high performance TxLink3 Lite RIP software allows users

The super-wide format TS500P-3200 inkjet printer features a new type of printhead to deliver high-speed printing at 180sq m/h.

to specify the ink volume per colour, and produce large seamless patterns from a single image (including repeat and mirror patterns).

Uninterrupted printing is aided by the Nozzle Check Unit (NCU) that automatically detects and cleans clogged nozzles. While the Nozzle Recovery System (NRS) uses only good nozzles as substitutes, when the clogged nozzles are not recovered after cleaning. Large ink containers in the external ink supply unit support continuous printing.

[www.hybridservices.co.uk](http://www.hybridservices.co.uk)



Coming in February 2016, Mimaki's super-wide TS500P-3200 inkjet printer.

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## Take productivity to 'a new level'

Roland DG Corporation recently announced the addition of the LEF-300 to its VersaUV series of UV-LED flatbed inkjet printers.

Print professionals around the world are already using the VersaUV LEF-12 and LEF-20 printers to customise a range of items, says the company. With the addition to the series of the larger and faster LEF-300, customers can achieve 'even greater productivity'.

New features on the LEF-300 include an enlarged printing area of 770mm wide by 330mm long. This is 50 per cent more than the previous model and can accommodate items up to 100mm in height and 8kg in weight. With four print heads and two UV-LED lamps, the LEF-300 enables bi-directional printing approximately 60 per cent faster than the LEF-20. The number of white and clear (gloss) ink nozzles have been doubled for faster printing, increased density and opacity and faster build-up of multiple layers for textured effects.

The LEF-300 comes with the new Roland VersaWorks Dual RIP software, which includes useful features to 'simplify the print

process and optimise results'. The Special Colour Plate Generation allows white or gloss data creation from print artwork; and the Maintained Clipped Position function preserves the accurate repositioning of clipped images.

The LEF-300 uses Roland DG's ECO-UV ink in CMYK, White and Clear (gloss) for 'premium high-quality durable print and to reduce the shrinkage of thin film materials when curing'.

The LEF-300 can print on a wide variety of substrates such as acrylic, wood, board, plastic, metal, glass and fabrics and soft materials such as leather. A vacuum table makes it easy to hold thin and soft materials in place. The device direct prints on to a huge range of items such as pens, mobile phone cases, customised corporate merchandise and signs.

Jerry Davies, President-Roland DG-EMEA said: "The trend for highly personalised items is growing and customers are using Roland's VersaUV LEF printers to build profitable businesses. The launch of the LEF-300 model brings the VersaUV series into

"The launch of the LEF-300 model brings the VersaUV series into the mass production environment with a number of features to facilitate the customisation and decoration of items in high volumes."

the mass production environment with a number of features to facilitate the customisation and decoration of items in high volumes."

For safety of users and to maintain print quality, the moving parts of the VersaUV LEF-300 are also fully encased. The cover prevents dusts from entering the print area; and means the device can be used in any busy print shop, industrial or retail environment.

[www.rolanddg.co.uk](http://www.rolanddg.co.uk)



The new Roland DG VersaUV LEF-300 flatbed inkjet printer.

## ITC to launch new products in March

Industrial Tooling Corporation (ITC) will introduce new products to the European digital print audience at FESPA in March. The cutting tool specialist will present its new Folio Product Catalogue that is packed with new product lines.

The 2016 edition of the Folio catalogue will include its popular range of balanced cutting tools for high speed spindles on routing machines and cutting tables. Since launching, the benefits of improved precision; better tool life and consistency; as well as enhanced surface finishes on components; explain what make the tools so popular in the marketplace, says the company.

After ITC communicated customer feedback to its research and development department, they extended balanced tools across their complete single flute tooling lines. This will see ITC present the most comprehensive range of balanced tools, to improve machining performance and eliminate secondary hand finishing for the end user. ITC will also promote the fact that its Clearcut range of routing tools has also been extended with

the maximum available diameter; now 8mm as opposed to the previous 6mm diameter.

They use the show to promote their 'extensive' line of knife tools and blades for CNC cutting tables. The popular line of knife and blade tools has recently been extended with new cutting geometries being added, to efficiently cut vinyl materials. ITC also offers a comprehensive re-sharpening and re-grind service for end users.



The Clearcut routing tool, part of ITC's extended range.



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# PRODUCT News

## SAi and EFI collaborate to deliver 'seamless' device integration for Fiery Driven™ print-and-cut environments

SA International (SAi) and EFI™ have announced the availability of the EFI Cut Server Option for Fiery® proServer and Fiery XF digital front ends. This software option from SAi, who provide software solutions for the sign making, wide-format digital printing and CAD/CAM for CNC machining industries, enables users of the Fiery work flow solutions to have a fully integrated end-to-end print-and-cut work flow.

"As both companies have global customer bases, the provision of an easily integrated SAi-powered EFI Cut Server Option that enables Fiery customers to drive all the cutters in their business is a terrific advantage for them," says Sarit Tichon, Senior Vice President Worldwide Sales, SAi.

"Importantly, the Cut Server Option that SAi developed for EFI delivers convenience, reliability and precision for users regardless of whether they're driving cutters from smaller providers, or those from larger manufacturers," she says.

The EFI Cut Server Option gives users the power and versatility of SAi's cut contour technology in a Fiery workflow to drive one or more of the 1300+ supported cutting devices from more than 80 suppliers, whether sheet or roll-fed. It is available now.

By eliminating the need to work with different software for each cutter type, job management is easier and all printing and cutting processes can be seamlessly linked, says the company. Up to eight cutting engines can be driven simultaneously, to speed up production times and eliminate bottlenecks. The collaboration gives more customers an end-to-end print-and-cut environment with minimal touch points and maximum automation. Fewer manual steps also reduce the chance of human error and therefore waste.

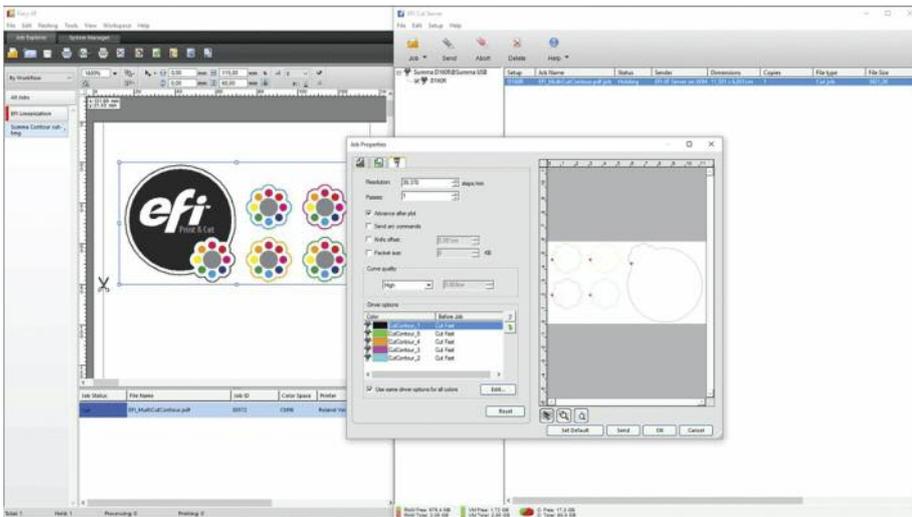
The solution works by having the Fiery digital front end extract the cut paths from the job and deliver them to the cutter. Whilst the digital front end also readies the job for preview and automatic printing, without manual intervention.

Depending on the customer work flow or preference, cut path recognition can be automatic or manual so that operation may be unattended if desired, giving businesses further flexibility.

Stefan Spiegel, General Manager, Fiery Wide Format, said: "With the continued introduction of new types of signage applications and materials, our customers are constantly looking to us to help them streamline their operations and meet customer deadlines. Fiery technology offers our customers unparalleled processing speed and quality, and the new Cut Server Option brings them meaningful new benefits.

"SAi boasts the largest library of cutter drivers on the market, and the popularity and ease-of-use of SAi's software were also important factors in EFI's decision on a partner to collaborate with," says Stefan.

www.ThinkSAi.com



SAi's EFI Cut Server Option enables users of the Fiery work flow solutions to enjoy a fully integrated end-to-end print-and-cut work flow.

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The advertisement for Multitechnic Ltd features a green and red header with the company name and 'CHEMICAL ETCHING'. Below this, there are two main text blocks: one highlighting 'EXCELLENT QUALITY PRODUCT. EXCELLENT CUSTOMER SERVICE.' and another stating 'You can sell to your customers with total confidence.' and 'We are THE ONLY Trade-Only supplier in the UK.' To the right, there are images of various etched signs, including a 'TRADE ONLY' sign, a 'gsk' sign, and a sign for 'Rooms 201-214'. At the bottom, there is contact information: 'Send your next enquiry to: sales@multitechnic.co.uk Or telephone: 01670 512090'.



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# Exciting new products from Portland...

## Portland Lighting are proud to introduce Ecolux Super Lens and Ecolux Solar.

Following 12 months of design and development the all new LED trough system is taking the realms of sign lighting into an exciting new era.

Together with Portland Lighting's market leading Ecolux II LED trough light for retail and brewery signage, the Ecolux family of sign lighting has a light for every occasion.



## Ecolux Super Lens LED



*3 settings for optimum illumination*

**Ecolux Super Lens is the new LED trough lighting system for evenly illuminating bigger signage and larger format signs up to five metres deep!**

To achieve this, a revolutionary new lens has been designed utilising state of the art ray-trace simulation software and the optic can be rotated in conjunction with a new calculated bracket system.

Offering three different pre-set positions and bracket projections, the fitter can install the light confidently knowing that optimum beam angle is achieved for varying sign face depths without having to wait for darkness to make any adjustment.

Extruded in six metre polycarbonate lengths the new lens achieves a more even spread of light via its unique asymmetric profile.

The distribution is optimised to limit spill light underneath the sign by concentrating peak intensity lower down the sign face. This enables energy saving whilst enhancing uniformity of sign luminance.

This new lens offers a 30% improvement in illumination of 5m deep signs over the previous Ecolux lens without the need for longer projection brackets.

Full laboratory photometry testing has been completed by our lighting professionals.

Photometry PDF compatible data can be readily accessed by designers and specifiers alike to ensure even illumination to desired sign face.

Connection for making longer runs is also made simple for speedy installation. Each section within the run remains a sealed IP64 rated unit and then joins seamlessly together using its fitter friendly plug and play system.

Ecolux Super Lens is sealed and certified to IP64. The profile houses an integral IP67 driver which slides in and out on runners for easy maintenance.



*Simple fitter friendly plug and play connection for longer runs*

**The 14.4W/metre IP65 LEDs can be supplied in 6000k 1200 lumen, or 3000k 1100 lumen output to suit the nature of your signage scheme.**

Available on a next day delivery service for standard black or white finish, each light is individually tested and logged prior to dispatch for earth continuity, insulation resistance, and function test.

Added to this, our five year parts warranty ensures Ecolux Super Lens offers outstanding value, quality and performance to enhance every sign lighting installation.



As members of the Lighting Industry Association it is important to us that our products are independently and stringently laboratory tested.

Our new Ecolux Super Lens and Ecolux Solar sign lights are certified to meet BS EN 60598-1 conforming to current electrical safety, endurance and ambient temperature regulations and fully IP

tested and rated. Further to this, each fitting that leaves Portland Lighting receives an earth continuity, insulation resistance and function test and is individually logged to ensure uppermost quality is achieved, and a reassuring safety check for all of our customers.

# Ecolux Solar LED



Utilising the Ecolux Super Lens, the optics make maximum use of the 12V LED system, and with two different illumination settings and brightness levels 4W, 6W or 12W Portland Lighting can cater for varying installation budgets. Ecolux Solar LED utilises a patented controller which can be programmed for the varying hours of seasonal darkness and set to offer illumination throughout the duration of darkness or customer specified times.

The discreet 1000mm x 200mm Solar PV panels harness the sun's energy throughout the day. The solar energy charges the long life maintenance free batteries which in turn power the Ecolux Solar LED trough light. The batteries and the controller are housed in a separate IP66 sealed enclosure and the system is wired

together via simple plug and play connection and instruction.

The weather resistant IP67 sealed solar PV panels are lightweight and can be mounted with double sided adhesive tape or screw fixed. Robust and durable, the panels are hermetically sealed with hi-tec polymer construction allowing for an overall thickness of less than 4mm.

They are shadow tolerant and have built in photo cells. If, over time, dirt covers a bit of the surface, they are designed so that other parts of the solar PV panel work a little harder to cover the portion lost.

They are self-cleaning so the next rain fall will do the trick.

**Ecolux Solar, in conjunction with our trading partners Zeta Specialist Lighting, is the first UK LED trough light with the capability to constantly illuminate signs from dusk to dawn all year round.**

Ecolux Solar is the option for the environmentally friendly illumination of retail and billboard signage. Where any sign installation has no power Ecolux Solar LED eliminates the expense required for running cable and significantly reduces installation time and other associated costs.



*PV panel - 1000mm x 200mm, monocrystalline cell sealed to IP67*



*Ecolux Solar illuminating 6x3m billboard in Birmingham*

**In November 2014 Portland Lighting trialled Ecolux Solar LED on two billboards for Clear Channel in Birmingham, along with another in London for J C Decaux.**

Using the brightest 12W setting the billboards were illuminated throughout the winter.

Even after some bleak weather conditions and short days, computer data taken on site from

the controller prove the batteries recharged to give full setting illumination each night.

*"We are extremely proud of the introduction of our first solar powered billboard in Birmingham which represents our commitment to combining the latest out of home technologies with our responsibility to the environment, allowing us to create innovative products"*

**Clear Channel UK.**

**Nottingham City Council also have installed Ecolux Solar to their Queens Drive Park and Ride scheme.**

As members of the Nottingham Green Partnership the council is committed to meeting environmental priorities identified in the plan for Nottingham.

Among its key priorities is a pledge to reduce the city's carbon emissions by 26% of 2005 levels by 2020, and ensure that 20% of the

energy used in the city will be produced from renewable or low/zero carbon sources.

The Zeta patented controller and solar kit system has a proven track record in other types of UK lighting installations such as courtesy lighting in bus shelters, however we believe this to be the first time offering an enviable and permanent solution for the illumination of signage with our Ecolux Super Lens LED trough lighting.



The UK's No.1 trough lighting and sign lighting manufacturer including Ecolux II LED, Microlux, Signlux and Bullet ranges.

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Portland Lighting Ltd



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## A 'one-stop, green' solution for sign graphics

3M's new Envision Print Film 48 is set to become a 'one-stop' choice for sign-makers who are looking to meet increasing customer demand for 'greener' options.

Available from William Smith, Envision Print Film 48 is a highly versatile, non-PVC intermediate film that is suitable for many applications, such as indoor and outdoor signage; wall, glass, door and floor graphics; windows and internal dividers; partial vehicle graphics on flat or simple curved areas; and POP displays, says the company.

The film offers 'high performance print quality, ease of use and consistency' across the range of applications. It is 100 per cent

printer compatible and can be used on solvent, UV and latex digital printers. It conforms well and is more tolerant than vinyl to higher temperatures for installation and removal. It is also tear resistant, enabling faster, cleaner removal. Envision Print Film 48 is a highly durable film and its accompanying Gloss Overlaminate 8048G provides 'enhanced' scratch resistance and UV protection.

The film comes in a choice of options, including permanent or removable adhesive, with or without Comply and Controltac features.

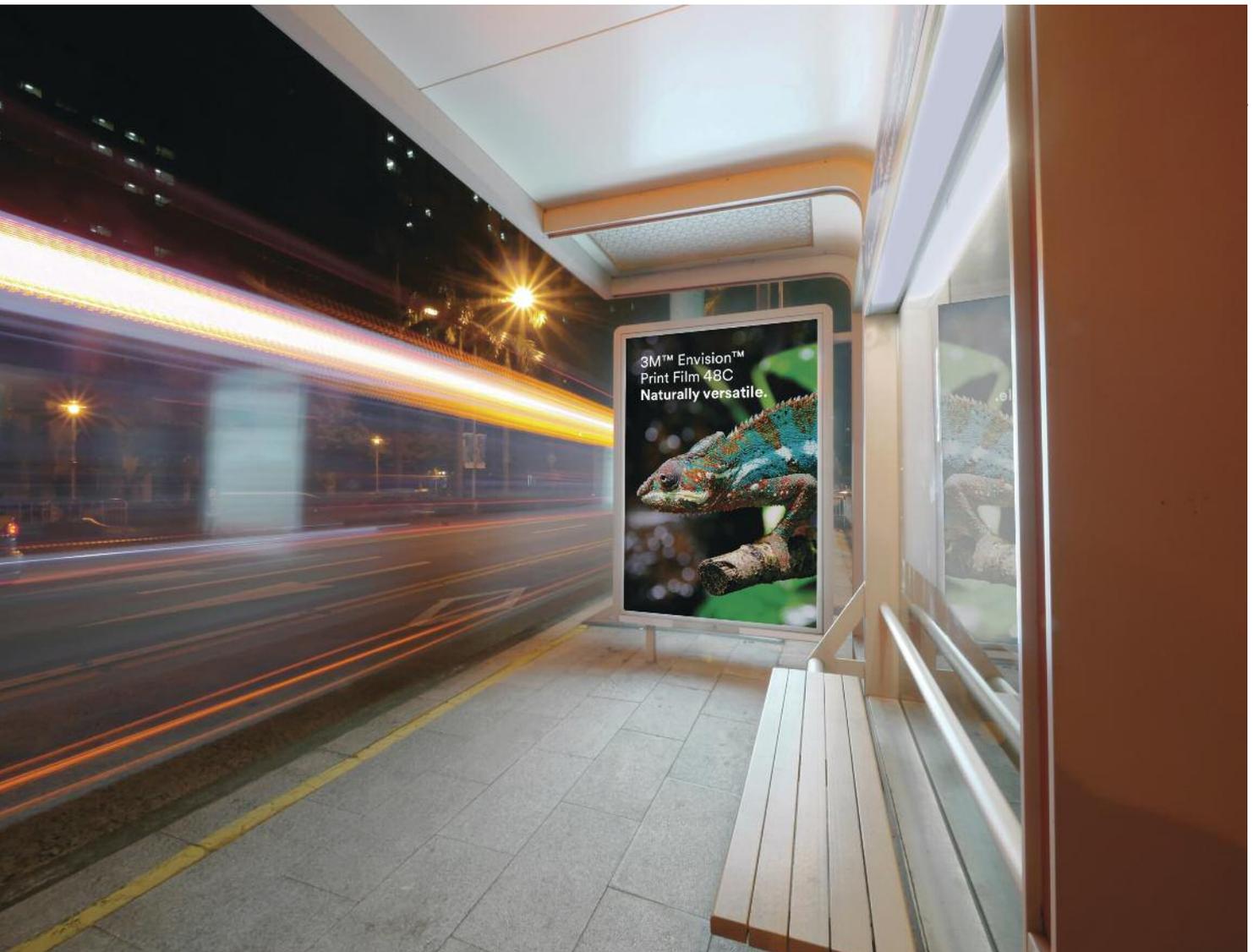
3M Envision Print Film 48C incorporates Comply adhesive with air release

channels, together with Controltac technology, which make it easily repositionable for 'quick, easy and time-saving' application.

With up to five years durability, the film can be used for all but the most challenging applications, which enables sign-makers to reduce stock-holding of multiple films by choosing a single economical product.

3M Envision Print Film 48 and Overlaminate are available from William Smith ex-stock, as full, part or custom slit rolls and same day despatch is provided on full or part roll orders received up to 6.00pm.

[www.williamsmith.co.uk](http://www.williamsmith.co.uk)



3M's Envision Print Film 48 meets the demand for 'greener' products.



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## Epson launches new range of SureColor SC-S wide-format ink printers

Epson UK unveiled a new range of professional 64-inch signage printers on 15 January 2016. According to the company, they combine robust engineering with new design and production features to deliver market-leading quality at the fastest possible speeds, precise repeatability and durability.

The new SureColor SC-S series comes after a culmination of extensive market research, customer feedback and end-user testing. They offer users a 'precise and accurate way to create high impact, durable and profitable' signage and display graphics. The range requires minimal user intervention and delivers increased uptime to help businesses maximise productivity.

**SureColor SC-S80600:** This model features dual PrecisionCore TFP printheads and nine or 10 colours: CMYKLCmLk plus red and orange. It can also be configured to use white or metallic silver. Users can easily switch between white and metallic ink to suit job requirements. This flexible printer delivers print speeds up to 95.1sqm/hr in single-pass banner mode, and up to 12.5sqm/hr in 8-pass film mode.

**SureColor SC-S60600:** This has been designed for fast turnaround, high print volume environments. Featuring dual PrecisionCore TFP printheads (CMYKx2) this printer produces high quality vinyl output at 29.4sqm/hr, banners at 52.3sqm/hr, and can print up to 95.3sqm/hr for single-pass applications.

**SureColor SC-S40600:** Aimed at high-quality POS graphics and signage, this affordable, entry-level, four-colour printer features a single PrecisionCore printhead and delivers up to 58.4sqm/hr productivity.

Every component of these printers has been designed and manufactured to make sure of 'seamless operation, maximum productivity and the highest professional-quality results'. The design of the new SureColor SC-S series is centred on improving the printing experience user and to reduce the cost of ownership, says the company. The large clear panel offers a view of the printing area, while internal LED lights allow for easy inspection at the point of printing.

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"The result is a class-leading series of printers that are loaded with Epson's advanced engineering to deliver the ultimate in accuracy, quality and productivity."

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From outdoor signage to high-end interior displays and décor, the range can be used with a range of coated and uncoated substrates. Exhibition displays, posters and backlit panels, POS materials, vehicle wraps, wallpaper and photo canvases are all produced with 'unrivalled accuracy' thanks to a new Precision Media Feeding System. This facilitates motorised roll-to-roll media handling with a highly advanced auto-tension control (AD-ATC) system for accurate media feed and take-up. Automatic printhead cleaning, including a newly-developed fabric printhead wiper system, will 'virtually eliminate' printhead maintenance.

Featuring their latest generation permanent PrecisionCore TFP printheads with variable size ink droplet technology, these new printers produce consistent 1440 x 1440 dpi output at 'best in class' print speeds. New hardware enhancements offer greater resistance to head strikes.

The new SureColor SC-S range uses Epson's new formulation UltraChrome GS3 inkset, which is quick drying and low odour.

Martin Johns, product manager, Epson UK, said: "We listened to our customers' feedback about our previous signage models and set about developing a new range based on their requirements. The result is a class-leading series of printers that are loaded with Epson's advanced engineering to deliver the ultimate in accuracy, quality and productivity."

The products come with a two-year warranty as standard to give customers added peace of mind. Plus, all users can take advantage of the Epson SureColor Academy for training, and ongoing support.

In the UK and Ireland, the SureColor SC-S printers are supplied with an Onyx RIP as standard and are compatible with a wide range of other RIPs.

The SureColor SC-S60600 and SC-S40600 replace the SC-S50600 and SC-S30600 models respectively and are available immediately priced from £9,995 + VAT RRP. The SureColor SC-S80600 replaces the SC-S70600 and will be available to buy from March 2016 priced at £16,135 + VAT RRP (10-colour).



The SC-S60600 replaces the SC-S50600 and is available to buy now.



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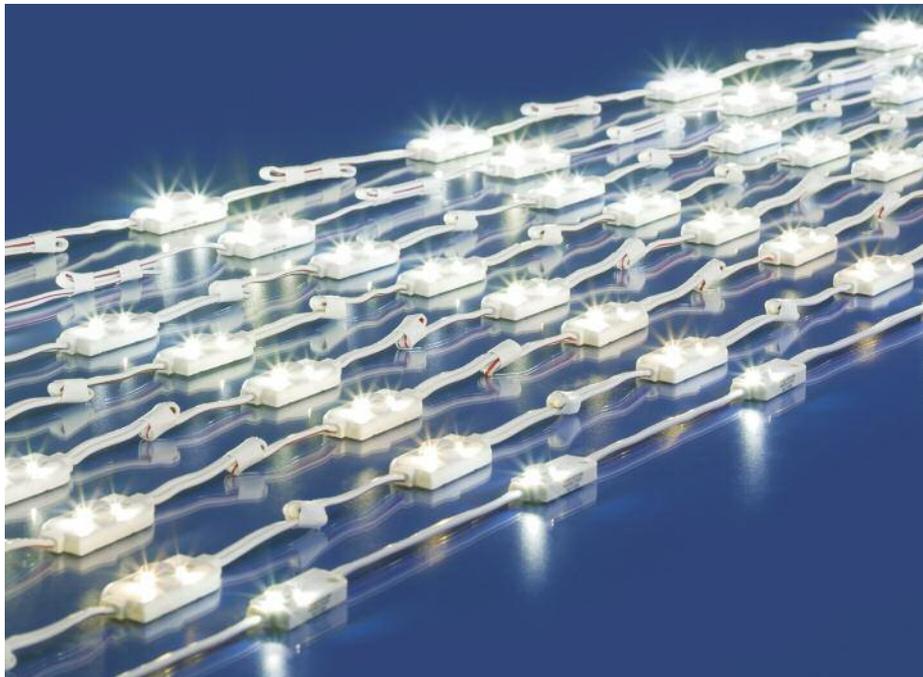
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## High brightness with SloanLED

The SloanLED range of signage LED modules, exclusively available from Perspex Distribution, have just got brighter with the release of the V180 High Brightness (HB) Mini.

With a module that is 56 per cent brighter than its predecessor, V180 HB Mini is the most 'versatile, brightest' solution available in the V180 line up. It's designed to illuminate shallow and standard depth channel letters and sign boxes, and is available now.

The increased lumen output enables installation into a wider range of sign depths using fewer modules. The result for budget-conscious sign makers is more attractive signs that are less costly to build and operate, says the company.



*The SloanLED range will be showcased at this year's Sign and Digital show.*

A free LED layout and estimating service is available at all Perspex Distribution branches, so installing SloanLED modules 'could not be easier'.

Like its large, standard, and mini counterparts, V180 HB Mini features a patented LED array consisting of three diodes placed in an optimal orientation to provide a 180 degree viewing angle.

"V180 HB Mini is a welcome addition to the channel letter LED market as the sign industry becomes increasingly cost conscious. Innovative products like V180 HB Mini are invaluable as our customers continue to look for ways to reduce their labour, maintenance, and operating costs," said Ryan Mann, LED Product Manager at Perspex Distribution. "We are looking forward to further exciting SloanLED product developments to announce later in the year."

Similar technology has also been introduced to the SloanLED VL Plus 2 HB Short module with a 28 per cent increase in brightness raising module output to 64 lumens, 'ideal' for everyday applications.

Perspex Distribution will showcase the SloanLED range at this year's Sign & Digital UK.

A free LED layout and estimating service is available at all Perspex Distribution branches, so installing SloanLED modules 'could not be easier'.

[www.perspex.co.uk/products/leds](http://www.perspex.co.uk/products/leds)



*The V180 range, which can be used for a wide range of sign depths, is available from Perspex Distribution.*

# Pacer CNC routers provide 'cutting edge' solutions

Heavy-duty Pacer routers, part of the range of CNC routers supplied by XYZ International, continue to have a strong presence in the key markets for which they were designed, says the company. These include the sign making, plastics fabrication and panel processing sectors. The machines are 'renowned for their outstanding build quality; reliable performance; and cutting accuracy'.

The Pacer series offers a choice of three models, ranging from the 4008 with a processing area of 1524mm x 1219mm. To the top-of-the-range 6020 with a processing area of 2159mm x 6096mm. All of the routers are built on a single-piece, stress-relieved, heavy-duty steel frame. This incorporates a fully-zoned aluminium vacuum bed with either manual or automatic switching. The steel gantry runs on high-quality linear bearings; and is driven on both sides of the machine by servomotors, coupled through planetary gearboxes and the latest helical

rack and pinion drive system. This key design feature enables more even distribution of the workload to be achieved via the multiple gear teeth configuration; as well as enhanced cutting accuracy, reduced material wastage, and a longer machine life.

Pacer CNC routers are ideal for 2D and 3D routing, engraving and cutting of a wide range of materials to accommodate multiple applications, says the company. The materials include solid and composite woods; acrylics and plastics; aluminium sheet and aluminium composite materials (ACM); and other non-ferrous metals and foamed boards.

For a limited period, XYZ International is offering a huge discount (up to £7,500) to owners of Pacer routers who want to upgrade to a new Pacer or XYZ router. This initiative will also enable access to new production tool enhancements. These include an expanded (up to 33 stations) Automatic

Tool Change (ATC) facility; the new Auto Zone Management facility that makes sure the material being processed is always held securely throughout the cutting cycle. And the latest A2MC machine control system that greatly reduces or even eliminates "bounce" and vibration caused by sudden acceleration and/or deceleration often experienced with other control systems.

A further option on all Pacer machines is the new AVS (XYZ Vision System) which is fully compatible with all of the cutting tools used on XYZ International machines, to enhance cutting accuracy.

Pacer machines, complemented by those in the XYZ and Z series, can be seen at the new showroom and demonstration facility at XYZ International's new headquarters on the T54 Business Park in Telford.

[www.azyz.com](http://www.azyz.com)  
Phone: 01952 291600.



The XYZ Pacer 4008 has a processing area that measures 1542mm x 1219mm.

# PRODUCT News

## SmartLF SG voted SGIA's 'Scanning Product of the year'

ArtSystems announced that the Speciality Graphic Imaging Association's (SGIA) Product of the Year Competition, for a scanning product, was awarded to Colortrac's SmartLF SG.

A total of 141 entries were submitted for this exclusive competition that took place during the 2015 SGIA Expo in November. Judges said the event was 'one of the most challenging in recent history'.

Held in Atlanta, USA, the award was announced to some of the leaders of the speciality imaging industry. ArtSystems' Sales Divisional Manager, Ted Freer, said: "We believe the Colortrac SmartLF SG is the best wide format scanner in its field and this award proves that the SGIA agrees with us."

"The range offers superior graphics, crystal clear lines and the fastest thick media adjustment on the market, we have every reason to be very proud of this product."

Ray Weiss, SGIA's Digital Specialist, said: "We are really thrilled with the participation from exhibiting companies, and we even doubled the product categories to correctly acknowledge all of the possible technical accomplishments honoured in this competition. The award winners have been extremely enthusiastic about their wins, understanding just how competitive the field was this year."

The SmartLF SG series of large format scanners uses the same charge-coupled device (CCD) sensor technology found in professional quality cameras. It will scan thick media in HD up to 1200 DPI and up to 36 or even 44 inches wide.

Instant-on LED lights mean no warm up and no waiting around, and the SmartLF SG range scans all types of paper and mounted documents. It provides 'super-easy' adjustment for different media thicknesses up to 15 mm, and is suitable for:

- Hi-Fidelity colour reproduction for scanning and reprographics service professionals
- High Speed Technical Imaging within AEC, CAD, Mapping and GIS
- Electronic Document Capture (TWAIN)

There are three SmartLF SG high definition large format scanner models in each size (36in or 44in) with performance levels and features optimised for different applications.



Scanning product of the year: The Colortrac SmartLF SG.

If operator requirements change, the m (monochrome/greyscale) and c (colour) models can be remotely upgraded to a higher level using a simple emailed scanner upgrade tool. The e (enhanced) upgrade offers the highest colour scanning speed. Monochrome/greyscale scan speeds are identical across all upgrades.

Ted said: "Colortrac has created an instant classic with the SmartLF SG series by providing these scanners with a range of specifications that set the benchmark in their marketplace. The SGIA judges reinforced everything we have been saying about these machines, they are simply world beating technology."

## Versatile new touch screens

CDS introduce their new PCAP touch screens with dual operating systems, the 'most versatile commercial touch screen on the market'. With both Android and Windows operating systems installed on the integrated PC, it cannot be beaten on flexibility, says the company.

### Features

- 10 point touch
- responsive and sensitive touch
- 'superior' optical quality
- eco-friendly back light with enhanced brightness and contrast
- increased lifespan and reduced power consumption by 30 per cent
- commercial grade panel and components designed for constant use

"These displays could be considered the largest commercial tablet on the market; but they are so much more. With a striking aluminium bezel and a sleek design, these displays always manage to catch the eye. Built with a strong tempered glass front and a wide viewing angle, these commercial grade tablets are hard to miss and certainly stand out from the crowd," says a spokesperson.

Having up to 10 touch points allows for a wider variety of applications than before. This kind of functionality allows you to manipulate images, zoom in and out as well as perform many other touch gestures; much like you would with a domestic tablet. It also



The new touch screens work with Android and Windows operating systems.

allows for multiple users interacting with the screen at one time.

Although the screens have an integrated PC with two operating systems, there is also a possibility to attach external devices if required. Simply connect your device to the screen, via VGA or HDMI (for the video signal) and USB (for the touch functionality).

The screen will then serve as your computer monitor and the touch functionality controls the cursor, essentially acting as your mouse.

Available in 22", 32" and 42"

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phone: 44 (0) 1643 327420



The screens come in three sizes and contain an eco-friendly back light.

**HIGHLIGHT<sup>®</sup>** MK5



## THE BRIGHTEST MOST EFFICIENT LED TROUGH LIGHT AVAILABLE

Introduced in 1981, Highlight was the first ever made to measure extruded aluminium trough lighting system. During its 34 years, Highlight has evolved to become the most efficient LED trough lighting available, achieving an impressive 127 lumens of brightness per watt of consumption. Three brightness levels are available: 1040 Lm/m (Ecobright); 1410 Lm/m (Superbright), and 2024 Lm/m (Hyperbright).

The unique shape of the Mk5 extrusion offers sleek, low profile looks and a new invisible internal joining section to create seamless IP65 joins. Clip on fit fixing brackets ensure fast installation at all times. Mains connection is via an IP65 concealed gland at the rear of the unit.

**Prices start at just £16.32 per foot for Ecobright in standard white finish. For peace of mind, we offer a five year warranty on the LEDs. Before you purchase any trough light, compare specifications.**

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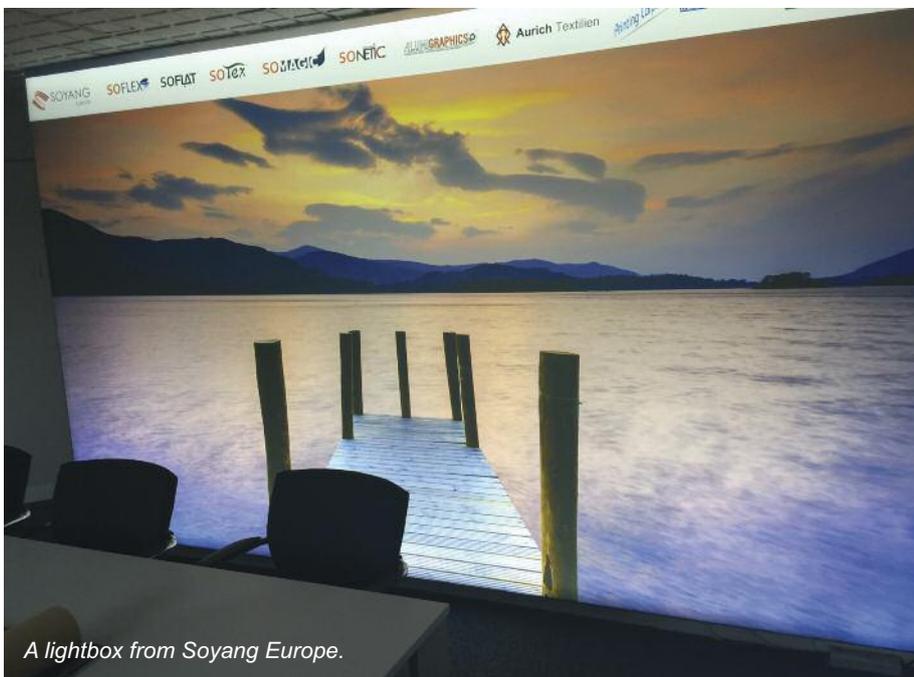
# SOFT SIGNAGE

2015 saw the rates of demand for graphic textiles skyrocket, and the trend doesn't look set to dissipate anytime soon. Jemima Codrington spoke with industry leaders to examine current trends, determine what's next for the market, and discover more about how direct-to-garment printing is making life easier for signmakers and end users.

**Soyang Europe is a leading provider of garments for soft signage, and there are a number of new graphic textile products set to hit the market this year.**

In fact, Tim Egerton, Northern Sales Manager at Soyang Europe reveals that many are due to be commercially available within a matter of weeks. One is a high-end textile product that is ideal for use in retail displays. "It has great crease recovery, which for back-lit graphics is an absolute must," he says. "When graphics are printed and finished, they're often folded up into a bundle and sent by post to the store in which is going to be displayed. It's then up to the shop staff themselves to unpack and install into the frame, so you need to make sure it looks great when it's unpacked at the other end."

There's another product that so far has been very successful in the trial stages, a black-back textile (the Eclipse knitted black-back ST216). "Just saying black-back textile on it's own doesn't sound very exciting, but when you consider that a black-back textile can actually hide supporting framework or alternatively conceal any existing graphics that may be behind the sign on a wall for example, that's where you see some of the benefits." The product contains smart coating technology that means the product doesn't warm up as it's printed, and so doesn't get tacky or sticky, which can sometimes happen when printing direct to textile. In addition to these two products, there's another fabric



A lightbox from Soyang Europe.

starting to take shape, which will be used to make items such as promotional tablecloths. "For that, we'll need to build in a number of practical characteristics, such as water repellent and flame retardant technologies," adds Tim.

For Soyang Europe, innovation is always at the forefront of mind. Tim notes that

there's always something new on the horizon, and a great deal of this inspiration comes from visiting the factories and facilities in China and seeing the cutting-edge technology up close. However, he also adds that the inspiration for what to create with this technology is very much derived from user feedback. "The main driving force for our inspiration is the market itself," he says. "We don't just develop products because we think they'd be a good idea - we develop them because the market demands these fabrics. With more and more fabrics being used in installations such as retail for example, the customers and sign makers are looking for products that can help them create more vibrant and interesting graphics."

## The backlit revolution

Backlit graphics have been one of the biggest developments in the soft signage market, but Tim notes that textile retail graphics in general is also a huge growth area.

The UK is finally catching up with mainland Europe, where Tim notes that graphic textiles are up in virtually much every shop. Now, with advances in technology and consumer demand both rapidly rising, UK retailers are looking to printers and sign manufacturers for soft signs for use in stores.

"Price point is always a key consideration for end-users, but safety features such as flame retardant properties are also becoming more important," he adds.



Endutex products are PVC coated and acrylic coated materials in various seamless widths up to 5m.

But soft signage is not just reserved for use in retail; one of Soyang's speciality fabrics is currently being used throughout the London Underground, and has been for roughly two years. This material is used to create textile graphics displayed in a fibreglass lightbox, which has a class 0 rating – the highest possible fire rating that can be obtained for textiles. In places such as the Underground, where safety is of course a paramount concern, these fabrics make possible soft



*Rolls of graphic materials being manufactured in Soyang's HQ.*



*Soyang signage graphics on display.*

signage advertisements and promotional graphics. However, in applications that involve lighting above ground, extra consideration should be given to how the lighting interacts with the sign. Failing to consider the effect the lighting will have when used with fabric can lead to unsightly consequences. "I walked past a store at the end of last year, and couldn't believe my eyes," says Tim. "I immediately saw that they'd used completely the wrong type of textile in the intended application. The application was an illuminated light box, and they'd actually just used a normal display-type textile and not a backlit textile, which means you saw every single individual LED behind it. Whoever received the brief for that just got it completely wrong!" It is in these sorts of applications that backlit products can be absolutely essential to getting it right.

[www.soyang.co.uk](http://www.soyang.co.uk)

**Sign manufacturers now have even more choice when it comes to printing soft signage, thanks to the release of two new printers from Mimaki.**

The Mimaki TX300 is a direct-to-textile machine, and was launched at ITMA in November. "It can print on numerous different types of fabrics including polyester, which is ideal for soft signage, using a direct dye sublimation ink set," reveals Stephen Woodall, National Sales Manager - Textile & Apparel at Hybrid Services Ltd, the UK and Irish Mimaki Distributor. "It should be commercially available in the next couple of months." Also new is the Mimaki TS500P, a paper transfer machine that's 3.2m in width and ideal for creating high-end POS signage.

Direct-to-textile printing has, according to Stephen, revolutionised the soft signage market in recent years. There are many advantages to this method, including the fact that it saves a considerable amount of time.

"You don't need to print to paper and transfer across, so it takes one of the processes out to a level," says Stephen. "You don't need to have a belt-driven calendar – you can stick to the prints using a purely heat-fixation unit or belt-less calendar, so it's a much easier process to fix directly



*Soft signage seen in Mimaki's reception.*

printed polyester." Because the polyester has been dyed as opposed to printed on, it is not prone to scratching, so it can be folded or creased as needed without damage to the graphic.

Technological advances mean that the cost of creating digital textile prints is now on par with that of producing PVC and vinyls, and then there's also the benefit of the lessened environmental impact.

# SOFT SIGNAGE

"A lot of exhibition halls and things won't allow PVC on site, so there's a real advantage to having the ability to create PVC-free textiles," adds Stephen. "The water-based technologies used to produce the prints have several environmental benefits."

## Key considerations

Stephen notes that while fabricated signage works well for external applications, this is commonly an area in which there are issues. "I think the main pitfall I've seen with soft signage occurs when it's mounted outside," he says. "It's important for sign makers to understand the abilities of the chemistry from an outdoor durability perspective. With solvent-based inks, you can get up to two years



*The new Mimaki TX300P.*



*Also new is the Mimaki TS500P.*

life outside, but that expectation is lowered with textiles because there's a much shorter lifespan. But from a printer's point of view, there's more need for repeat jobs to do things like flags and other outdoor soft signage installations, so it's sort of a positive and a negative."

Although inks have historically been quite expensive, Mimaki has made considerable strides to lower the cost, especially with the new machines. "We're seeing they're now much more cost-effective," says Stephen. "With the introduction of new print-heads, we can manufacture the inks ourselves which allows us more control and allows us to be more competitive."

[www.hybridservices.co.uk](http://www.hybridservices.co.uk)

**DPI UK are leading manufacturers of aluminium frames and lightboxes, designed for specific use with 'tensioned fabric' graphics. They make a wide range of frame products that can be wall-mounted, free standing on feet, or even suspended from the ceiling, all of which can be illuminated if required.**

"The popularity of 'soft signage' shows no sign of waning; in fact, the sector is growing exponentially mainly due to the fact that fabric can be printed so vibrantly now and with excellent clarity," says Paul Tomlinson, Director at DPI UK. "Couple with this the fact that fabric can be folded or rolled for shipping and can be fitted by almost anybody (fabric size permitting) and you have a product that ticks all the boxes. No longer does the 'end user' have to pay for fitters with huge sheets of Dibond or Foam Board filing through their premises. The beauty of fabric is that once the frame is in place, they can often change the image themselves and delivery logistics are much easier and more economic."

As the demand for soft signage gathers pace, DPI UK as hardware manufacturers have to come up with new and innovative products to keep pace with the client's imagination. Paul notes that DPI makes curved units and circular units, and can even construct 3D cube structures to make towers or hanging gondolas. "The profile can be powder-coated a specific colour, or we can supply a range of profiles with wooden veneers applied."

## Fitting and finishing

According to Paul, one of the main issues that is stopping the trade investing in this lucrative sector is printing and finishing the fabric effectively.

"Dye Sublimation is by far and away the best method of printing fabric as the ink becomes a part of the media it is applied to," he says. "However, this type of device is a big investment." Once printed, the fabric needs to be fitted to the frame.

*.....Continued on page 34*



*DPI are manufacturers of aluminium frames and lightboxes.*



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# SOFT SIGNAGE

This has typically required a PVC or silicon strip to be sewn to the fabric edge, which then pushes into the recesses in all the frame profiles. To eliminate the need for this and provide a more user-friendly fitting experience, DPI sells self-adhesive and "hammer-in" edging. "The latter are more for experienced fitters – a sewn edge protects the fabric, allows it to be used over and over, and makes fitting very easier with no danger of warping the printed image which can easily happen with push in systems," says Paul.

Lightboxes are also proving to be very popular, and work very effectively with fabric. DPI not only make traditional, slimline lightboxes with LEDs mounted to a solid rear panel, but they are also very much advocates of what Paul calls 'edge fitting' LEDs. "When LEDs are fitted to internal edges of a



*The full range of lightboxes available from DPI UK.*



*A 200mm deep lightbox on display.*

lightbox, there is no need for a solid internal panel as the light is flooded across the internal space from the edge or edges. This allows the lightbox unit (and the accompanying foldable fabric) to be supplied flat pack for easy on site assembly. You can now see why flat pack hardware and folding graphics are becoming so popular with clients."

DPI ensures that all their lightbox profile depths work perfectly with the respective LED option, as this is critical to avoid LED spotting on fabric (this occurs when fabric is too close to overly-bright LEDs). It also prevents driver and/or transformer shadows. "DPI has worked with a variety of high profile trade printers to create superb fabric structures, we very much look forward to 2016 unfolding as we introduce market leading 'soft signage' products," says Paul.

[www.dpi-uk.com](http://www.dpi-uk.com)

**Flex face signage has emerged as a new and popular trend in the soft signage sector, and so Nova Aluminium Systems Limited have produced and delivered a flexible faced sign box product to the market.**

Called NOVAFLEX, the sign box system has a 200mm depth that is suitable for flexface signage of most shapes and sizes. There are other products available too, such as NovaTex. With single- and double-sided options ranging from 40mm to 175mm in depth, all of which can be back illuminated, NovaTex gives the sign designer multiple choices for placement of stunning images.

"NovaTex uses a "passive wedge" to tension the textile face and secure it into position," says Nova Aluminium Systems Director Paul Vickery. "A discreet pull-tab is located in one corner allowing the image to be removed; an anti-tamper security screw

facility is also available." Paul adds that in-store point of sale image systems that give the option of being able to frequently change graphics are now commonplace in today's retail environments. "These eye catching units prove very popular not only for the wonderful vibrant graphics that can be achieved, but also because the image can be changed relatively simply, giving the retailer immediate options. Textile graphics are lightweight, simple to print on and when installed into a Nova aluminium housing give a crease free highly visible edge-to-edge image."

Whilst signage is the most typical application, units can be installed into premises as wall art and at the same time give excellent acoustic properties from the textile material itself. This can also be enhanced on non-illuminated projects by installing specific acoustic materials within the system.



*Frame systems from Nova Aluminium can house textile graphics, seen here.*

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## Soft signage for exhibition graphics

Aimed primarily at the exhibition market, NovaDisplay uses an internal gripper system that removes the need for any face preparation.

Images are pushed into its channel using the installation tool supplied. The system's "soft nose" design gives a more affable look to the display box, which is also constructed with a screw free appearance. "At 90mm the single sided option can be surfaced mounted, while the double-sided profile at 100mm allows for both free standing and hanging applications," adds Paul. At just 32mm in depth the SoftComp frame is perfect for slim non-illuminated projects.

No face preparation is required or any trimming on site; The skin is simply pressed into the internal grip strip and a cosmetic plastic perimeter cover is snapped into place, which removes the need for any finishing to the aluminium frame itself. This product has been used for interior signage and wall art décor, providing sign makers with plenty of choice and versatility.

Looking ahead to 2016, Paul notes that for Nova Aluminium, areas of development include products that are suitable for use in interior point of sale applications.

[www.nova-aluminium.com](http://www.nova-aluminium.com)



Products can be used alongside lighting for effect.



NovaTex signage from Nova Aluminium.

# SOFT SIGNAGE

**Spirit Displays is a manufacturer and producer of aluminium framing and rigging products, and specialises in ways to work and display flexible materials or soft signage. The three main products lines are SpiritFLEX, SpiritTEX and Keder-track.**

The Keder-track product is used mainly indoors for hanging banners, projecting banners and 'halos' or 'roundels' used in exhibitions and retail displays. SpiritFLEX is mainly an outdoor system to stretch up PVC banner and mesh. These can be used for signage projects, building wraps, lightboxes and hoardings. SpiritTEX is an indoor system mainly for use with lighter weight polyester products. These can be used as in retail applications, exhibition graphics, museum displays, transport advertising, lightboxes, architectural interiors, acoustics and lighting.

"While this area has been dominated by dye-sublimation printing, the SpiritTEX system opens up the soft-signage market to more companies who may only print on UV, solvent or latex machines," says Hadley Weight, Director at Spirit Displays. "The TEX-gripper means that complex finishing requirements are eliminated and there is no investment in machines or staffing to get these printed textiles into a frame." Both the SpiritTEX and SpiritFLEX ranges will be developed and expanded upon in 2016.

According to Hadley, soft signage really took off with the commercial development of dye-sublimation printing within the graphics industry. The bright, vibrant colour rendition is really appealing for retail and exhibition environments. "The soft 'look-and-feel' is also more current as opposed to glossy hard substrates like vinyl, foamed PVC and acrylic," he adds. Spirit Displays has developed the TEX-gripper to replace the need for stitching silicone onto the edge of the printed textile. The TEX-tool is used to push the fab-



ric into the frame where it is held firmly in place. By eliminating the finishing aspect, the soft signage market is now open to smaller printers using all print technologies, such as UV and latex printing. Polyester has also become more popular for its green credentials.

"It is more easily recycled because it is a single raw product, prints can be folded for transport making for less volume in transport, less road miles and CO2. Installation is easier too, allowing shop staff to change some of their own prints. This has a further impact on the environment by not always having to send a fitter half way across the country to update one print."

## Illumination issues

When it comes to soft signage, Hadley notes that most of the issues they have seen pertain to incorrect use of lighting.

"Because of shallower box depths and thinner backlit materials, calculating LED population of lightboxes is critical. "Getting good even illumination and avoiding cold edges on shallow boxes makes a huge dif-

ference," he says, adding that all the LEDs from Spirit Displays have between 30khrs and 50khrs lifespan depending on the requirements of the project. Hadley has also seen sign manufacturers encounter troubles with getting prints finished to the right size. "I visited a well-known high street retail store recently where none of the prints fitted the lightboxes and were too small. The TEX-gripper in a SpiritTEX lightbox could have solved this problem for the installer and avoided a disappointed client."

## Hadley's top tips:

- Be creative with soft-signage. Look out for new applications and opportunities. Office partitions, acoustic panels and interesting lighting can be created using the soft-signage products.
- Find a reliable partner to supply you with good quality frames and prints. Quality is especially important in LED illuminated products. Check the lifespan and light output of LEDs to make sure you are getting value for money.
- There are a number of suppliers in the market now, so where possible try find out if they are manufacturers or just buying in from somewhere else. You will get more accurate information and sales support in the first instance. If you shorten the supply chain, you also have more recourse and a quicker response if something does go wrong.
- By all means compare prices and lead-times, but beware of false economy. Poor LED and power supply quality can really cost you in the long run. Once a roll-out is installed countrywide, a poor quality product can mean remedial work over numerous locations will all but eliminate any profitability in the job - and not to mention damage to your company reputation.



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### 1. NOVATEX

NovaTex has single and double sided options from 40mm to 175mm in depth, of which all can be illuminated. NovaTex uses a 'passive wedge' to tension the textile face and secure it in position. A discreet pull tab is located in one corner and anti tamper security screws can be fitted if required.

### 2. NOVADISPLAY

NovaDisplay works with a gripper system which removes the need for any face preparation. Images are pushed into a channel using the installation tool provided giving wrinkle free images every time. At 90mm the single sided option can be surfaced mounted whilst the double sided profile at 100mm allows for both free standing and hanging applications and has a screw free appearance.

### 3. SOFTCOMP

At 32mm the SoftComp framing system is perfect for slim non-illuminated images. No face preparation is required or any trimming on site. The skin is simply pressed into the internal grip strip and when complete a plastic perimeter cover is snapped into place which removes the need for any painting of the frame.

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Although based in the Netherlands, Tider Signs have clients across Europe. There are a number of products suitable for soft signage, including an extensive PVC banner range, while there are new products expected on the market for 2016 as well.

One such product is Wall Textile ( TX-320FR ). It is a PVC-free, water based eco-friendly product meeting B1 fire retardant standards. "This product is suitable for advertising and wall decoration," says Xavier van Beekum, European Sales & Marketing, Tider Signs. "After printing it can be easily applied to walls using normal glues."

The pigmentation of the product is durable, and as this product made of textile, it is beautifully textured as the advanced technique of knife coating is used in the manufacturing process. It is suited to Eco Solvent, UV and latex inks, and width of rolls may be up to 5 metres.

When selecting products for soft signage, Xavier notes that it is of paramount importance that sign makers should fully consider the features of the materials to be used for their advertising creation. "The biggest mistakes that we come across are

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related to incorrect use of the products, for example, using a material externally in place of internally."

[www.tidersign.com](http://www.tidersign.com)

# PRODUCT Choice

## AG CAD makes an impression

Operating in its seventh year, the pace of growth at Bolton based Impression Ltd has been 'remarkable'. The large format display, PoS, event and signage company produces a range of graphics and digitally printed products from leaflets to store window displays, outdoor signage to exhibition stands. This diversity has delivered year on year growth in excess of 20 per cent.

To maintain this growth, they have invested to meet the demands of its diverse customer base. Initially choosing Roland for solvent wide format roll fed devices and Konica Minolta for their small format digital press; it was the arrival of their first Océ Arizona Flatbed digital printer in 2011 and an AG/CAD KM627R digital cutting machine that took the company to the next level.

Company Director, Carl Webster said: "At the time we wanted to increase productivity of the large format PoS department on such materials as Acrylic, Di-Bond, Foamex and fluted boards as well as introducing white and clear inks. Whilst this portion of our business has grown since 2011, the continued diversity now sees an increase in enquiries for signage work. With the increasing indoor and outdoor signage demand, we are cutting ever more challenging products.



Whilst the KM627R machine was ideal for many materials, it wasn't best suited to cutting Di-bond, plastics and acrylics at higher speeds, also it was a fixed bed, so not designed for continuous cutting of roll media."

Carl said: "Since the installation of the previous KM627R cutting table we had introduced a second Océ Arizona. The variety

of materials and products was growing massively and the previous machine wasn't going to keep pace with two Arizona's and 4 roll-fed machines running night and day. So, despite having the cutting machine, we still had two staff manually cutting for four hours a day.

"The new X7 is at least 40 per cent faster than the previous machine on roll media and flat sheets. This is credited to the high-end drives and controls on the X7 that move the head around the table at impressive speeds. There is a more powerful oscillating unit that drives the knife tool and a much more robust, high precision router spindle. This not only provides more efficient cutting, but also gives superior, high quality edge finish. We can process larger number of jobs per day on the DYSS with minimal hand cutting and with a high level of finish."

With their diverse workload they needed a cutting machine with the flexibility to process roll media as well as sheet materials. So AG/CAD supplied a conveyerised X7 machine with roll feed system to accommodate roll media. Carl said: "Up to eight hours a day was spent hand cutting posters, window decals and banners out of 30 to 100m long rolls. These rolls are now loaded onto the DYSS roll-off unit and the operator will run off a 60m roll of posters in a matter of minutes. The machine bed is 1.6m wide and 2.45m long, which is well suited to our rolls as well as our sheet materials. The X7 really has been a great purchase. We operate a two-shift pattern so the new DYSS is running over 12 hours a day and it has no problems keeping pace with our five printers."

About the software, Carl said: "We looked at other machine suppliers and the associated software is always a major factor for any company that conducts design work and creative solutions. Most of the vendors of digital cutting tables seemed to have a weak imitation of AG/CAD's KASEMAKE software."



*Their continued growth has meant Impression Ltd can work with a huge variety of materials and clients.*

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# PRODUCT Choice

## Wall, window and floor graphics made easy with ABC Imaging and UTACK media

ABC Imaging is meeting an increasing demand for temporary wall, floor and window graphics by using CMYUK's removable and repositionable UTACK media.

The company specialised in reprographic services for architects and construction companies when it was founded 15 years ago, then diversified into sign and display.

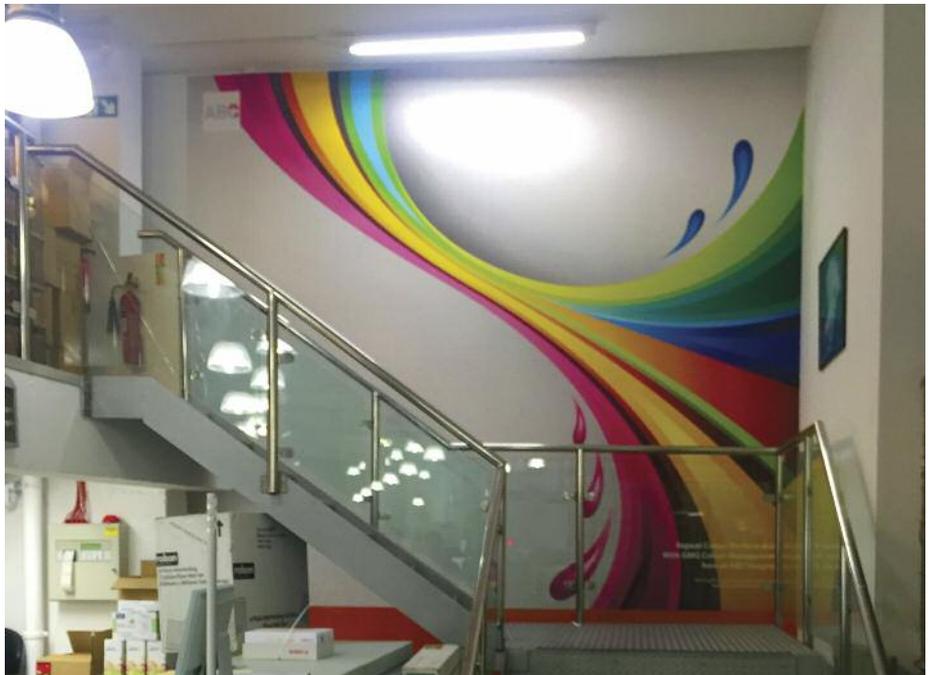
Managing Director Andy Julian says that while the move held a steep learning curve, the changing world of construction means that the industry's needs have actually changed in many ways to become more like those of sign and display companies.

He said: "We're working much more closely with marketing teams linked to construction rather than the architects and designers themselves, to create banners and temporary graphics for use in pitches and public consultations rather than blueprints and project plans."

The company purchased an Océ Arizona 460 GT flatbed UV printer in 2015, and worked with Michael Crook from CMYUK to look at application solutions to maximise the potential from their investment.

"We were already buying from CMYUK for smaller format printing, and worked closely with Michael and his team to look at the best materials for each new large format application we wanted to deliver," says Andy.

"We quickly realised the potential offered by UTACK media for creating temporary graphics, and they are now incredibly popular with all our customers."



Wall graphics created by ABC Imaging using CMYUK's removable and repositionable UTACK media.

UTACK is a thin, woven self-adhesive polyester fabric on a backing paper. Its water resistant matte surface produces 'exceptional' printed resolution and high definition. There's no edge-curl when the product is under tension and the durable, universal coating eliminates cracking of the ink layer due to stretching.

ABC Imaging also use UTACK Multi-surface media to produce larger wall images and floor graphics, which is a thicker and more opaque grade textile than the standard UTACK and can be used on walls, floors and on top of carpets.

ABC Imaging Sales Director Duncan Stuart said: "We're often asked about vinyls for installations that only need to be displayed for around three months, for seasonal promotions and other time limited marketing activities. We're able to recommend UTACK as an alternative for most applications.

"We've also had demand for one-off installations, such as PR and marketing companies wanting to kit out their own boardroom in the name of a client for a special presentation, and architects who want to create a large wall display for a meeting in a client's office.

"UTACK is also ideal for exhibition venues where clients need to display large graphics but aren't allowed to stick anything to the walls, as the adhesive used ensures the display stays up but leaves no residue when it's removed."

UTACK media can be used for floor graphics as it is anti-slip, and its eco-friendly and fire rated qualities make it suitable for any venue. It's also easy for clients to install the graphics themselves, cutting the costs involved.



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# PRODUCT Choice

## Graphics Works adds three more Fujifilm Acuity LED 1600 printers

Graphics and display business Graphics Works has recently invested in three more Fujifilm Acuity 1600 LED UV hybrid inkjet wide format printers. The investment follows the success of getting their first Acuity LED 1600 printer in January 2015, which doubled its production speeds and cut production costs by 20 per cent.

They invested in their first Acuity to create 'robust and visually appealing applications that didn't require a time and cost-intensive post-press coating process'.

Such was the immediate impact of the first Acuity that Graphics Works invested in the two additional Acuity LED 1600 printers in July and another in October, to meet growing customer demand. The latest three printers will share the workload for all applications; such as wallpaper, large format graphics, promotional vinyl and window graphics. While the first Acuity will focus on short-run carton packaging.

"Our core focus was to beef up our capacity to meet the demand and tight timescales we were facing on the back of a big uplift in work following our first Acuity LED 1600 investment," says Peter Barham, Director, Graphics Works. "Customers have been impressed by the output quality of Fujifilm's LED UV technology and demand has dramatically increased as a result.

"The Acuity LED 1600 is a very versatile printer, which opens up a lot of options to



One of Graphic Works' Fujifilm Acuity LED 1600 printer.

move into new applications in the future. We were also drawn to the white ink and varnish options that enable us to widen our creative parameters," says Peter. "We can also print on the roll, which is vital for the majority of our products, as is the accuracy and consistency across a wide range of different materials."

Graphics Works invested in its first Fujifilm Acuity LED 1600 following a two-year consultation; once satisfied that UV ink had got to a point where it was capable of ri-

valling the quality of solvent, while also delivering a more durable product.

"We had been watching developments in the UV LED ink market for many years, and felt it was the right time to invest," says Peter. "We ran stringent tests on a number of technologies and the Acuity stood out with its UV ink and LED curing capabilities, which ensure stable and consistent print, especially on delicate or difficult materials."

[www.fujifilm.eu](http://www.fujifilm.eu)

## Mary Hare benefits from Sagetech

Sagetech has 'scored another success' with the sale of one of its ZM vertical panel saws to the Mary Hare School near Newbury, which specialises in the education of deaf children.



The vertical panel saw at the Mary Hare School.

The school's operations manager David Gibson, constructed the new buildings, which has recently included their own medical centre. David said: "This work involves cutting a lot of sheets of ply and MDF, which previously, when our very old table saw failed, we had to do on the bench using a hand-held portable saw, with never very accurate results. Or we had to man-handle sheets through classrooms to get to a fixed machine in the craft and design department. With very limited space in the workshop, we knew we wanted a vertical saw, and found details of the Sagetech machine on the website. We quickly got the finance together to buy it, and it made all the difference."

Mary Hare's ZM12 is the smallest of the Zapkut ZM range of machines, which start as low as £2,495 for an 8' x 4' (2500 x 1250 mm) capacity unit. This is just one of the four ranges of machines offered by British manufacturer Sagetech, who specialise in vertical panel saws for the smaller business. The Zapkut brand is for lighter duties; and they also offer a unique ZK portable unit in two sizes, which when not in use can be folded up compactly and stored conveniently, for example hanging on the wall. 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 easily capable of handling the big 3 x 2M sheets.

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# PRODUCT Choice

## New Inks welcome the arrival of the JETRIX KX7-S

The impending addition of the JETRIX KX7-S meant that not only did New Ink need to find new premises to fit the 2.5 x 3m flatbed; they had to remove the front of the building to get it in!

With so much investment at stake, the New Ink team recognised they would need to make some radical changes to their current set-up, to accommodate such a large format printer. But, not daunted by the task, they identified a convenient shop metres from their current premises. With some internal refurbishment to make it more open plan and some external work to enable the printer to be manoeuvred in; the ideal location was found.

As a specialist digital printing company, New Ink 'pride themselves on the kit they use, to produce high quality projects quickly'. So it was imperative to find a printer that could live up to this expectation. With a fine art resolution of 1440 x 720 dpi, down to a production resolution of 1440 x 360dpi, the KX7-S really meets these demands while also achieving productivity speeds of up to 60sqm/hr.

Andy Kordowski, Large Format Manager said: "We choose it because although our latex printer is great at delivering, we were increasingly finding that we needed a flatbed too. We explored a few options, but the JETRIX just kept coming up as our preferred option. It does everything we need it to do.



*Building a platform to get their new machine into the new premises!*

The key things for us were that they are clearly built to last; you have the ability to pause the machine mid job and you can print on media up to 100mm deep. This combined with the warranty and that the primer is already in the inks, meant it was the perfect choice."

The Head of National Sales, Ben Woodruff, said: "More and more we are finding that once people see for themselves what a JETRIX printer can do, they are then convinced that it is the right large format printer for them."

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*The JETRIX KX7-S flatbed printer.*

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# PRODUCT Choice

## Photobox chooses five new-generation Epson Surecolor SC-S60600

PhotoBox has invested in five new-generation Epson SureColor SC-S60600 64-inch wide-format printers. The company has installed these alongside its existing fleet of 16 SureColor SC-S50600 printers in its UK factory, to meet the ongoing growing demand for personalised photo canvases, according to the company.

PhotoBox is a B2C personalised photo based printing company that puts its considerable success down to 'inspiration supported by the right combination of product, service, marketing and innovative technology'.

Launched in 2000, the PhotoBox Group has seven brands: PhotoBox, Moonpig, Hofmann, PaperShaker, Sticky9, posterjack and PosterXXL. They employ about 1,000 people worldwide. Its five factories around the world turn digital photos into over 600 different personalised products, such as photo canvases, for 30 million members across 20 countries.

James Lawrence-Jones, Group Technical Innovation Director at PhotoBox, is responsible for product and production processes. He said: "Since 2013 demand for

photo canvases has grown by 70 per cent year on year, and we have expanded our production facilities to keep pace and deliver the best quality and service to our customers.

"We wanted an ink-efficient printer that would deliver great quality at higher speeds and with maximum reliability and the new SC-S60600 ticks all the boxes. Our manufacturing challenges are unusual because we have to be able to print, finish and despatch a large number of canvases on a day; over 12,000 individual canvases a day 24/7 at Christmas for example. So we have to rely on the very best production equipment to meet our high quality standards and tight deadlines."

The new SureColor SC-S60600 roll-to-roll printer has been designed to meet the needs of demanding production environments where maximum quality and reliability are key. It uses Epson PrecisionCore permanent printheads in a dual CMYK configuration to deliver 1440 x 1440 dpi resolution; and speeds up to 95.3sqm/hr (single pass) and 52.3sqm/hr (typical banner applications). The sophisticated media feeding

system incorporates highly-advanced auto-tension control and wide-diameter pressure rollers to optimise grip and feed accuracy.

Soon after installing the new printers, James and his production team were experiencing the benefits. "The SC-S60600 delivers improved print quality at reduced pass rates and offers improved ink efficiency which, when combined with the almost 20 per cent boost in print speeds, results in lower overall production costs," he says.

"The SureColor printers are excellent and we work them hard around the clock producing stunning images for our customers. It's a high stress environment and we need maximum production uptime. So when we need it we have great support from Epson and Rockwell, Epson's appointed service provider," says James.

Several staff members have also attended the Epson SureColor Academy to make sure they get the best from their printers.

[www.group.photobox.com](http://www.group.photobox.com)  
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During busy periods PhotoBox produce up to 12,000 individual canvases a day.

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Quality Makes the Difference

## Bath sign maker chooses Josero's Bubble Free

Josero's flagship Bubble Free Applicator was chosen by Freestyle Designs, an innovative branding and signage solutions company based in Bath, after a three-way selection process.

Freestyle Designs delivers the full package of design, manufacture and installation to a range of local businesses in the

Bath area, as well larger organisations nationwide. The company provides a variety of services from vehicle signage and commercial signage, to garment printing, banners and much more.

Over the years the signage specialist has invested in a lot of equipment, such as the latest wide format printers, a high capacity laser cutter and engraver, plus many other products.

Jayson Godridge, Managing Director of Freestyle Design said: "We've built a strong reputation over the years, in both the local area and much further afield and it is essential for us to retain this. Investment in high-end sign making equipment is a fundamental part of this, and over the last few months we've been considering expanding our range and investing in an applicator. We researched many products and narrowed our choice to three particular applicators."

Jayson said: "One of the products we considered was Josero's Bubble Free Pro Flatbed Applicator, which allows a single operator to mount and laminate a variety of materials at great speed. We went to see the machine in action at Josero's demonstration centre near Cambridge and were extremely impressed by the build quality of the Bubble Free applicator. Steve Wright from Josero

was very helpful and explained how we could easily integrate the product into our set-up and the impact it could have on our business."

The decision from there was quite a simple one for Freestyle Design and they haven't been disappointed by the performance of the Bubble Free Applicator.

Steve Wright, Sales Manager from Josero said: "Once we'd established what Jayson was trying to achieve with his investment, it became obvious the Bubble Free was the right machine for him. We were very clear right from the start, that it needed to be absolutely spot on for his needs and gave him plenty of opportunity to try the applicator and compare it to others in the market. We're delighted he opted for the Bubble Free and we know he'll reap the benefits of such a sound investment in the future."

Jayson said: "The pro table enabled us to add an integrated sheet cutter to the set up, and this, along with the bridge free roller design, was the real decision clincher. We're thrilled with the applicator and Josero have been fantastic during the selection process, the installation and the after sales care. We couldn't recommend them enough."

[www.josero.com](http://www.josero.com)



Left to right: Jayson Godridge – Director;  
Jason Summers – Designer;  
Steve Wright – Josero Sales Manager;  
Gary Foster – General Manager.

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# FROM ACROSS THE POND

## Soft Signage advantages and special considerations

*Inherent properties of soft signage afford important advantages dictating appropriate measures for design, installation and maintenance. By Bill Dundas*

**Soft signage or flex-face signage, as it's commonly known on this side of the pond, represents one of the principal technological advances achieved during the modern era of the sign industry. Substituting various opaque and translucent fabrics for conventional plastics and other rigid substrates has significantly expanded the sign designer's options. At the same time, utilisation of fabric sign faces entails some important and distinctive considerations impacting the manner in which such signs are built, installed and maintained.**

### Fabric Advantages

Perhaps the key distinction between soft signage and conventional signage incorporating rigid substrates is the capability to produce very large signs without any visible seams. For example, a very large, outdoor, electric sign having faces composed of rigid, acrylic plastic typically incorporates seams dividing sections of the face. But when a soft face material is used in this type of sign, the entire signage area may be covered by a single piece of fabric (Figure 1).

This seamless face is preferred by many sign users. Also, because fabric materials are quite compatible with large- and grand-format digital printing processes, it's

possible to reproduce all types of photographic images, which normally is not a feasible option with regard to translucent faces composed of rigid plastics. This distinction affords graphic designers considerably greater latitude in terms of soft signage.

In outdoor signage applications, fabric sign faces generally exhibit greater durability than rigid materials, provided that the face installation and tensioning have been properly executed. This is true because soft-signage materials have a substantially greater capacity to deflect without damage when exposed to high wind forces. Whereas signs incorporating rigid plastic face materials commonly crack under these forces, tensioned fabrics absorb the buffeting effects of wind more effectively.

Additionally, whereas rigid plastic faces normally must be replaced when damaged by wind, fabric-type faces often may simply be re-tensioned by maintenance personnel



*(Figure 2) When sign face tension is insufficient, sagging must be eliminated to avoid wind damage.*



*(Figure 1) This large fascia-type sign incorporates a seamless face composed of a single piece of fabric.*

to correct sagging of the material which may develop over time due to wind exposure (Figure 2). In terms of safety under extreme weather conditions, fabrics also offer the advantage of not producing sharp, broken edges or fragments which sometimes are blown out of rigid-faced signs, thereby posing potential hazards in nearby areas.

### Special Considerations

Sign engineers are well aware that innovations in structural components often carry with them the need to adapt design specifications accordingly. Thus, because fabric faces may be produced in very large sizes, and also because these faces must be properly tensioned within the sign cabinets or retainer frames, this introduces some specific design considerations extending beyond those applicable to conventional, rigid-faced signage.

For example, proper tensioning of a large sign face exerts substantial forces around the perimeter of the sign. Thus, if either the sign cabinet or the face-retainer frame isn't sturdy enough to resist this

tensioning force, the sign's dimensional structure may be deformed. For this reason, it's essential for the internal structure of any sign accepting a fabric face to be adequate for resisting such deformation. Thus, larger signs composed strictly of aluminum extrusions without any internal structural bracing may not be suitable for soft signage.

In many cases, fabric faces are installed as replacements for rigid faces in existing signs. When signs are retrofitted in this manner, structural integrity and various maintenance considerations assume particular importance. For example, if an existing, outdoor sign has been exposed to the weather for many years, its internal structure might be compromised. For this reason, it's essential for sign company personnel to carefully inspect existing signs prior to recommending soft signage retrofits. In certain cases, existing sign cabinets or frames may not be sturdy enough to accept a fabric face, thus indicating the need to replace the entire sign.

When building or retrofitting electric signs, another crucial consideration is maintenance. For example, some conventional-type signs incorporating rigid faces are serviced by sliding sections of the face panels partially or entirely out of the sign's retainer frame to gain access to the internal lighting (Figure 3). Thus, when a sliding-type, rigid face in an existing sign is replaced by a large fabric face, it might be impossible in some cases to access the interior of the sign for repairs after the sign has been retrofitted.

This possibility raises the larger issue of personal safety. Many outdoor, electric signs incorporate separate retainer frames which are hinged at the top, thus enabling the sign to be opened for servicing (Figure 4).

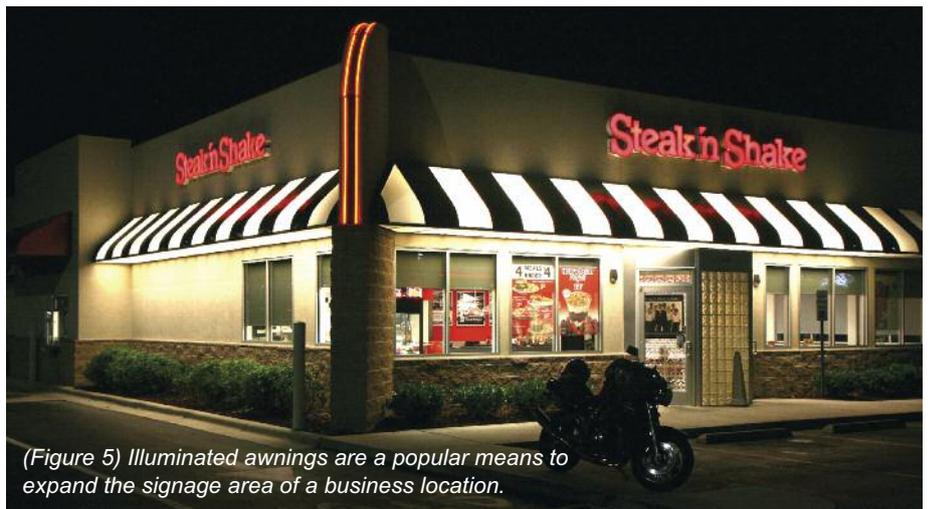


(Figure 4) Signs incorporating large faces can be difficult or hazardous to open for servicing.

The larger the surface area of the sign, the more challenging it is for service personnel to safely access the sign's interior. Even on relatively calm days, occasional wind gusts can make opening of large, hinged sign faces a hazardous endeavor. Additionally, safety demands that large signs incorporating hinged faces should incorporate very strong, durable face-retainer frames and hinges which must be rust-resistant and designed to withstand repeated openings of the sign without dam-

age to either the hinges or retainer. While this represents an important safety consideration for all types of signs, it's particularly relevant to soft signage because of its distinctive properties enabling fabrication of very large faces from single pieces of material.

Thus, with respect to the long-term maintenance of outdoor signs incorporating fabric faces, it's important for periodic inspections of face tension also to be included in the requirements for maintenance personnel. Even relatively minor sagging of a soft-signage face over time exposes an outdoor sign to further damage from high winds. Those familiar with installation of ordinary banners will appreciate the fact that proper tensioning is essential to prevent wind from shredding various fabrics. Thus, when an inspection detects a poorly tensioned sign face, restoring proper tension may substantially increase the sign's longevity.



(Figure 5) Illuminated awnings are a popular means to expand the signage area of a business location.



(Figure 3) Signs which incorporate large, sliding-type face panels may not be suitable for soft signage retrofits.

## Boundless Applications

The inherent advantages of soft signage continue to expand the number and nature of available applications. Thus, soft signage has made an important contribution to the industry by broadening the palette available to sign designers and their clients. In particular, expanding usage of signage awnings (Figure 5) in the U.S. and elsewhere has been driven by the increasing range of soft signage materials suited to these applications. By recognizing the inherent properties of this dynamic type of signage and incorporating corresponding measures into designs and installations, sign companies can ensure customer satisfaction and continued success.

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<b>3mm</b>	1.00	1.25	2.13	2.80	4.00	5.75	6.50	7.50	8.50	10.50	13.50	16.00	18.50	28.00	35.00	39.50
<b>5mm</b>	1.65	2.10	3.20	4.80	6.80	8.00	10.50	11.50	13.50	15.50	17.50	21.50	24.50	33.00	42.00	58.00
<b>10mm</b>	2.80	4.20	6.80	11.20	14.50	16.00	19.50	22.00	27.00	32.00	34.00	45.50	54.00	68.00	86.00	115.00

**FOAM PVC** (all available colours - 10mm & 19mm available in white only) no minimum order

Height	100mm	150mm	200mm	250mm	300mm	350mm	400mm	450mm	500mm	550mm	600mm	700mm	750mm	800mm	900mm	1200mm
<b>3mm</b>	0.98	1.15	1.39	2.13	2.60	3.45	4.40	4.81	5.80	6.20	7.06	9.80	11.50	15.45	18.80	19.80
<b>5mm</b>	1.20	1.75	2.25	3.14	4.10	5.20	6.40	6.53	7.10	8.60	9.80	15.20	16.00	21.12	25.25	26.50
<b>10mm</b>	1.80	3.35	4.38	6.40	8.10	9.80	10.80	13.90	14.80	17.20	18.90	25.69	26.50	30.80	45.50	47.50
<b>19mm</b>	3.70	4.22	7.45	9.70	13.40	14.50	17.80	19.10	22.00	22.94	27.00	34.20	37.50	42.10	53.40	78.50

**3mm ALUMINIUM COMPOSITE** (Dibond, Alupanel) no minimum order

Height	100mm	150mm	200mm	250mm	300mm	350mm	400mm	450mm	500mm	550mm	600mm	700mm	750mm	800mm	900mm	1200mm
<b>Colours</b>	1.70	2.70	3.60	6.10	7.80	9.50	11.00	12.00	14.50	17.00	19.50	22.00	25.00	34.50	44.00	59.50
<b>Mirror</b>	2.60	4.60	7.50	10.00	14.50	17.00	19.50	22.00	25.00	27.50	30.00	36.00	42.50	45.00	49.00	91.00
<b>Brushed</b>	2.05	3.10	4.50	6.50	8.90	9.60	10.50	14.50	16.20	17.90	18.50	25.50	27.00	35.50	45.00	62.50

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<b>2mm</b>	2.88	3.80	4.30	5.75	6.50	7.25	8.20	9.45	10.50	11.55	12.75	15.85	18.80	26.90	36.00	49.50
<b>3mm</b>	3.20	4.20	4.80	5.90	6.80	7.60	8.50	9.70	10.85	12.50	13.95	17.90	21.40	29.90	42.00	66.00
<b>5mm</b>	3.50	4.60	5.50	6.60	7.40	8.50	9.60	11.20	12.90	14.85	16.75	21.65	25.00	34.75	49.00	71.60

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<b>6mm</b>	0.58	1.10	1.64	1.83	2.70	2.85	3.30	3.95	4.55	5.40	6.90	9.75	11.25	12.75	14.95	45.50
<b>12mm</b>		1.90	2.12	2.96	4.25	4.90	5.70	6.42	7.65	9.60	10.50	12.20	14.50	17.60	19.75	59.95
<b>18mm</b>		2.70	3.25	4.25	5.30	6.45	7.95	8.90	11.05	12.75	15.20	17.40	21.25	22.90	29.95	89.63

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<b>Colours*</b>	5.20	8.70	10.92	12.40	16.40	19.50	34.90

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## Hollywood Monster creates a Star Wars wall graphic for Cineworld

Hollywood Monster created a stunning 15m x 4m wall graphic for Cineworld Birmingham Broad Street to help launch Star Wars: The Force Awakens.

The graphic was created on CMYUK's Utack removable textile and printed in sections on a VUTEk H2000.

Simon McKenzie, director at Hollywood

Monster said: "Our Utack media was perfect for this installation. Being easy to install as it sticks directly to the wall with no frame needed, and it will have no problem staying up for the average six weeks it will be needed for.

"The graphics look absolutely stunning, thanks to the high resolution print and Ultra-drop technology offered by the VUTEK H2000 combined with the water resistant surface of the Utack, which supports stunning colour definition that's second to none.

"The textile will also be easy to remove when the cinema needs to make a change as it comes off easily and leaves no residue to deal with."

CMYUK director Robin East said: "Star Wars is such an iconic film franchise, it's great to have had even the tiniest part in the launch of this new episode. We hope it 'awakens' more customers to the benefits of Utack!"

The graphic was printed in tiles of 4.6m x 1.3m. To watch the installation go to <http://www.cmyuk.com/showroom/?video=utack-hollywood>

[www.cmyuk.com/utack](http://www.cmyuk.com/utack)



The 15m x 4m wall graphic, installed using Utack media, at Cineworld in Birmingham.

## Large format printed artwork wins ACE Award

A piece of contemporary art installed on the west wall of St Michael's Church, Camden, 'HS' has won the ACE Award for Art in a Religious Context. Designed and created by artist Maciej Urbanek, the large-scale artwork measures more than 60 sqm and was printed using an Epson large format printer and media.

The ACE Awards were set up in 2003 to draw attention to standards in religious art and design. They celebrate the successes and diversity of architectural and artistic projects in religious buildings throughout Britain.

The winners of the 2015 Awards were announced at a reception held in the remarkable setting of King's College Chapel, London.

A graduate of Goldsmiths College and the Royal Academy of Arts, Maciej is Photography Tutor at the Royal Academy Schools, while still developing his art practice producing large-scale printed works.

He was introduced to Epson within the RA Schools' Epson Digital Media Suite and has used Epson materials and equipment since he was a student.

"Epson were very generous in offering me the use of their print facility at Hemel Hempstead, to produce the 27 pieces that make up the installation," says Maciej. "Not only did they provide their facilities but also their expertise. It simply wouldn't have been possible without their help and support."

The large scale photographic work impressed judges with its 'drama and theology' and its ability to 'speak mysteriously and powerfully'. Maciej said: "I'm delighted with the finished piece and the fact that it has created a focal point for the whole community to enjoy. I'm also very happy it has won the ACE Award!"

[www.epson.co.uk](http://www.epson.co.uk)



The winning art work, in St Michaels Church, in Camden.

# Cyclists in a spin over new studio!

Users of leisure facilities at North Kesteven Centre in North Hykeham have been 'getting in a spin' over new cycling-themed wallpaper.

The centre is having a £3.6 million refurbishment and has been renamed ONE NK. As part of the work, North Kesteven District Council (NKDC) contacted Phil Crow, who was the official photographer for the British Cycling National Road Championships, to use some of his images in the new virtual cycling studio.

Leisure and Client Services Manager at NKDC Mike Lock said the wall coverings have been enthusiastically received by everyone who has seen them. He said: "From start to finish it was a pleasure to work with Phil and, through him, DoubleRed Print, to achieve a very special and unique atmosphere within the cycling studio which the users themselves tell us inspires them in

their participation and activity.

"Phil instinctively knew what we were looking to achieve and delivered an excellent result to specification.

"The design works perfectly despite the limitations of the space and the challenge of working around the various ducts, sockets and extrusions. The images are invaluable to create a vibrant, active and inspirational environment in which to exercise and aspire to compete in the forthcoming Lincoln Grand Prix. We are incredibly pleased and proud of them."

Phil Crow said: "The images were carefully chosen and



The newly refurbished cycling studio at North Kesteven Centre.



Users have responded positively to the inspiring cycle themed wallpaper.

designed to immerse any budding cyclist into the world of pro cycling; inspiring them to enjoy and achieve within the virtual cycling classes.

"Once I had designed the walls and all the mock-ups were approved, DoubleRed Print then output the files onto digital wall coverings, which had been cut to fit the exact dimensions of the studio."

Matt Ryder from DoubleRed Print said: "Since we became part of the Allen Signs team, we have been able to offer a complete print and installation service as we have all the necessary expertise in house."

The new state-of-the-art studio was unveiled at the launch of the 2016 Lincoln Festival of Cycling in front of an audience of special guests including professional cyclists and the Leader of NKDC, Cllr Marion Brighton OBE.

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## BrightSign transforms GAME retail experience

BrightSign, LLC® has equipped 320 GAME stores with 1,300+ of their digital signage players. According to the company 'this transformative project enhances the customer experience, reduces costs and will allow GAME to respond immediately to market shifts'. Digital signage company, Freehand, did the installation, and BrightSign distributor Pixels supplied the players.

Fred Prego, Marketing and Insight Director at GAME, said: "As a gaming specialist retailer, we are committed to delivering the best shopping experience. To serve and build our loyal community of gamers, we recognise that digital signage can play a key role. This is as we continue to improve our ability to engage with our customers and offer the best possible experience and offer's available. With our fast changing market leading deals, these signs play an integral part in customers' education and discovery of both physical and digital content."

Freehand used a mixture of BrightSign XD232 and XD1032 networked media players. The XD232 has a powerful video engine capable of dual full HD 1920x1080, 50/60p video decoding and simultaneous content playback from local, networked and streaming sources. Its content support includes HTML5, 3D, and crisp upscaling of HD content to 4K. The BrightSign XD1032 offers all the capabilities of the XD232 and adds S/PDIF audio.

Mike Fabian, a director at digital signage company Freehand, managed the installation and said: "BrightSign players provide a flexible and utterly reliable solution that is low cost and easy to work with. They serve as powerful end-points for years on end without fail. BrightAuthor and the BrightSign Network make it easy to deliver new



*BrightSign players drive these screens in the GAME store in Stratford, London.*

content to the players, schedule playback and update as required."

Having installed the players, Freehand has a continuing collaborative role with the chain. GAME have a team of skilled designers and animators who create and prepare content suitable for all audiences ready to publish to its stores by Freehand. The content is then assembled as a complete play list in BrightAuthor.

Freehand has licensed the BrightSign Network Enterprise Edition (BSNEE), giving

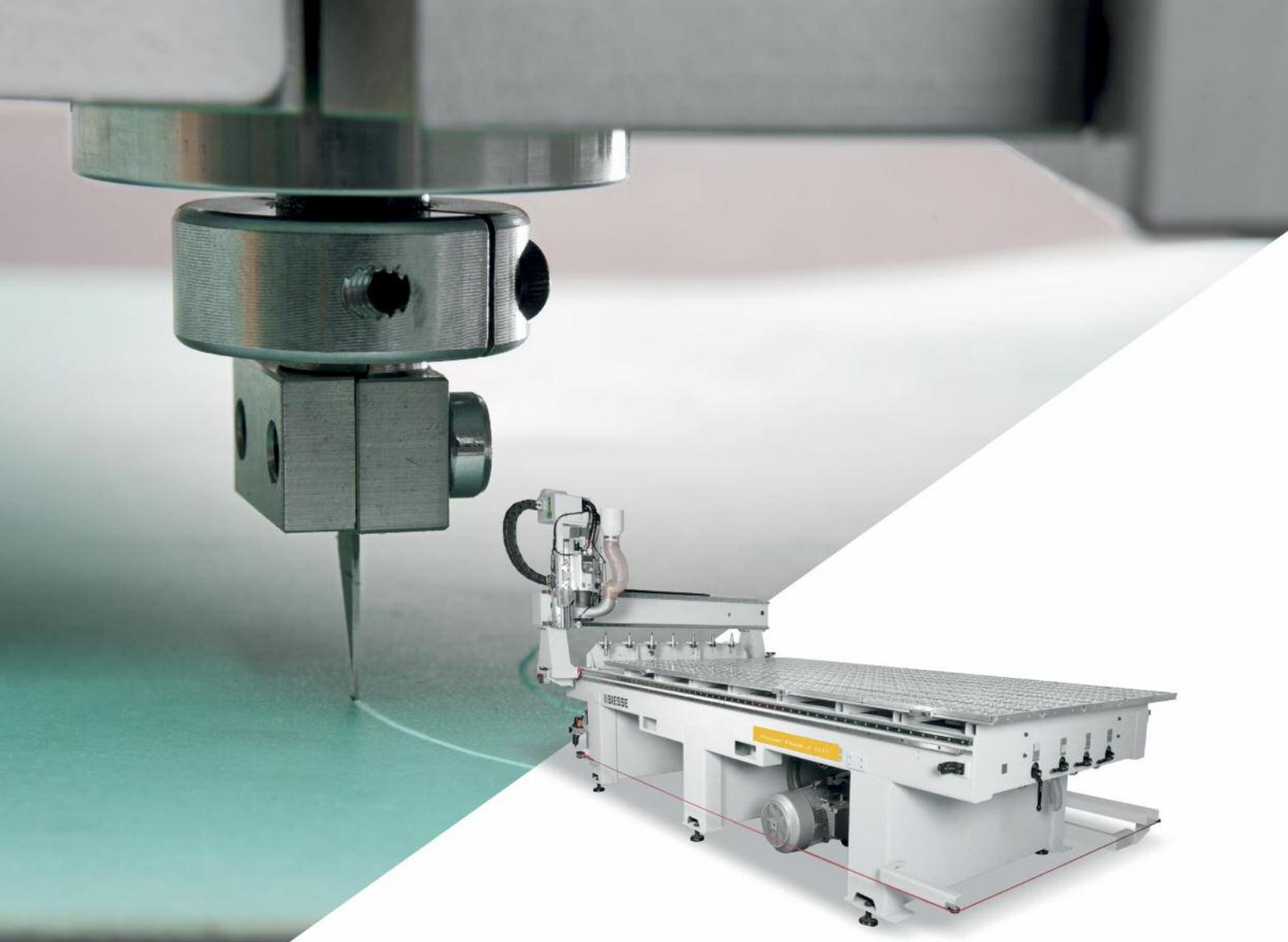
it a private network that can host all the content for the 1300 media players owned by GAME, as well as for other clients. All BrightSign players installed in GAME's stores and connected to the BSNEE are managed and updated with media remotely by Freehand.

Throughout the project, Freehand worked with long term partner and BrightSign distributor Pixels who have sold and supported thousands of BrightSign media players and BrightSign Network subscriptions over the past several years.

Following a highly successful trial project in 50 outlets, 320 GAME stores are now equipped with a total of 1,320 BrightSign players driving Samsung screens of widths varying from 40 inches to 55 inches. Each store has a minimum of four screens. A display behind the counter plays up to date video content from the latest games; exclusive products; latest events; and a wide range of other products and services available through GAME. While two screens positioned toward the front of the store highlight the special offers available on the PlayStation® and Xbox. The fourth screen is in the store window to attract footfall; display high impact visuals and offer the very latest and most up to date offers and content available. Larger, flagship stores feature perfectly synchronized BrightSign videowalls.



[www.freehand.co.uk](http://www.freehand.co.uk)  
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 **BIESSE**

## Kornit Digital teams up with Turnowsky for Heimtextil 2016

At Heimtextil 2016 Kornit presented furniture samples that were produced with fabrics from its roll-to-roll system Allegro, based on designs from Turnowsky, a 'fashion-led' international design house.

Kornit Digital's presence featured various exhibits created from Turnowsky's 'Flowers of Grace' portfolio, designed exclusively by the brand's Creative Director, Ira Avezov.

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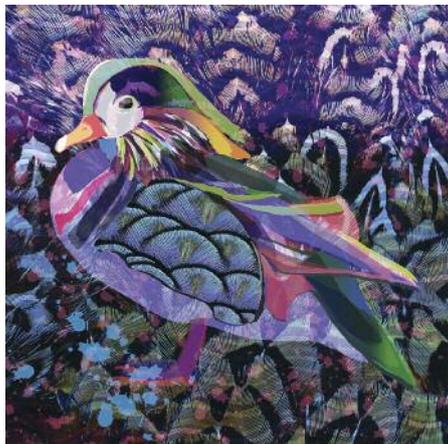
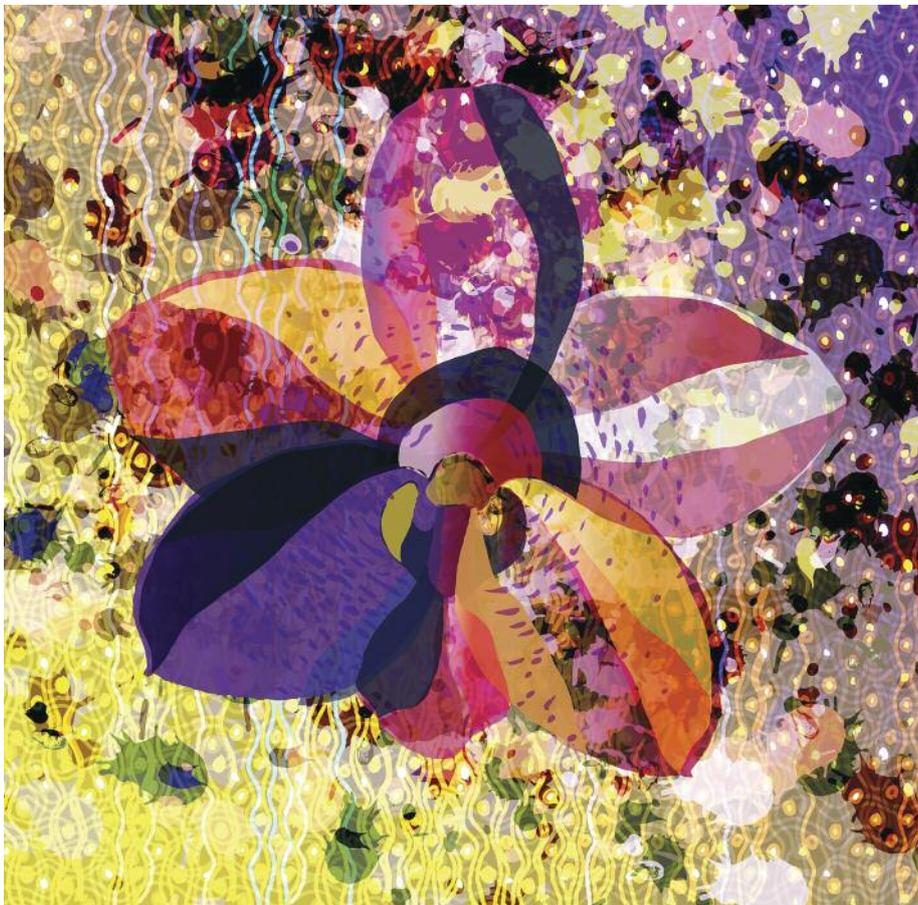
"Kornit's Allegro brings new business opportunities to the home textile industry."

---

The current generation of 'Flowers of Grace', developed especially for Kornit Digital, introduces realistic images as an integral part of the design, for the first time, says the company.

"In Turnowsky, we know how to design. But no matter how good your idea is, you need the ability to turn it into something; a beautiful dress, a scarf, a piece of furniture," says Ira. "The unique color gamut and flexibility of the Kornit Allegro allow this transformation, with no compromise in the design quality. It is an amazing ability which we will continue to explore."

"The Kornit Allegro is the only true digital solution for textile printing. Its unique one-step process combined with the impressive color gamut of Kornit's NeoPigment™ inks represents a real opportunity for textile designers. It enables them to control their



prints and colors while offering their customers short runs and customization," says a spokesperson.

Unlike with alternative digital production technologies, the need for all external process steps, such as pre-treatment and



post treatment, have been removed with the Kornit Allegro. With textile production available in a completely dry single step solution, digital fabric printing is 'returning to western countries' as all former issues, such as end-to-end costs; pollution; regulations; health and safety; and space can be addressed.

"Heimtextil 2016 is one of the most significant platforms for us to meet manufacturers, retailers and designers from all around the world," says Guy Zimmerman, Kornit Digital's Vice President of Marketing and Business Development. "Kornit's Allegro brings new business opportunities to the home textile industry. It is a true stand-alone roll-to-roll system that prints direct onto a broad variety of fabrics with vivid results, accurate colors, an excellent hand and good durability. It is particularly suitable for the production of special collections and all applications that require fast turnaround times."

---

[www.turnowsky.com](http://www.turnowsky.com)  
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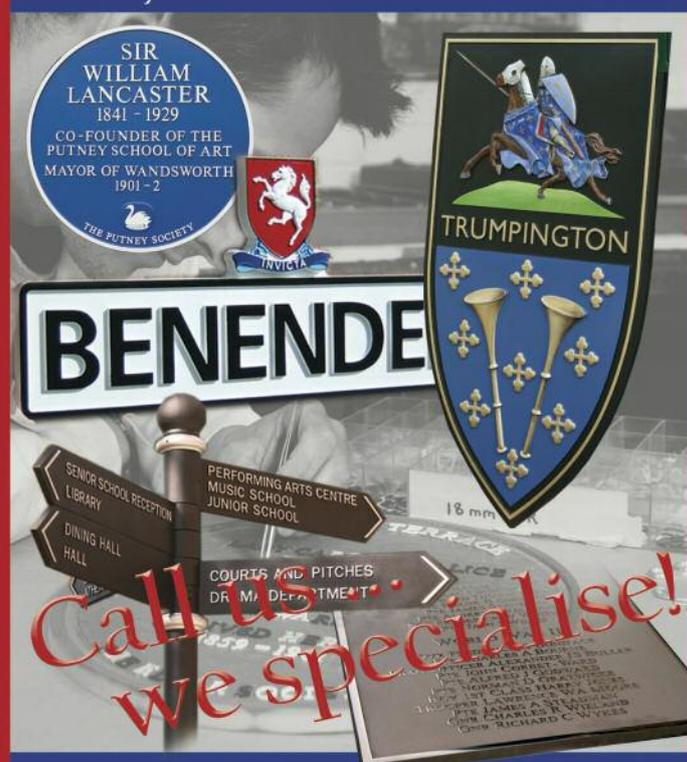
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# PROJECT News

## UKs largest retailer nearing completion of rebrand

Sign 2000 have worked with the Post Office for over five years providing both exterior and interior corporate signage, graphics plus point of sale equipment to their Crown, Mains, Local, Business as usual and Rural sites.

With over 11,500 sites, the Post Office has a physical and personal presence across the UK, and forms a vital part of communities across the land.

The Crown estate consists of circa 300 locations that are directly managed by the post office, which were completely transformed and refurbished in 2014. The 70 million pound investment brought substantial benefits such as the wider introduction of self service and customer consultation areas.

There are also an excess of 2000 network transformation conversions invested in and operating to the new Mains and Local formats. And millions of customers are benefiting from the modern branches and extended opening hours.



The network transformation programme gathered momentum in 2013, when Sign 2000 were tasked with carrying out a value engineering process to rationalise costs based around bulk production and the roll out of 50 sites per week. The 'big ticket' items, namely the fascia and projecting signs, were successfully redesigned to facilitate three aspects of the required criteria; cost reduction, extended product warranty and a reduced carbon footprint.

To date in excess of 75,000 individual signage components have been supplied to the Mains and Locals transformation sites. This programme is managed at Sign 2000 by an office based dedicated team of seven

personnel who control their dedicated Post Office production operatives and nationwide field installation teams.



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## New window technology Screenex pulls 'Into' European Train Stations

Oran Safety Glass (OSG) did a deal with CN-Consult GmbH to use OSG's 'cutting edge' window technology Screenex in CN-Consult's InnoScreen® overhead displays. The displays based on Screenex will be installed on train platforms across Germany, Austria and Switzerland. The collaboration marks OSG's first sale of the pioneering product, to be deployed in rail stations in 2016.

Screenex is a window technology using high-resolution LCD screens embedded in insulated, laminated or tempered glass, which can be used in signs, partitions as well as vehicle doors and windscreens. To enhance the passenger experience, tailored real-time data and information can be programmed via

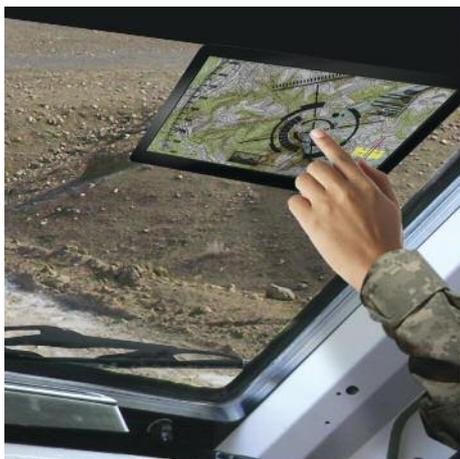
the accompanying digital content server. Designed for long term use in public spaces and vehicles, Screenex windows are resistant to vibration and temperature extremes, and are also tamper-proof.

OSG's CEO Daniel Cohen said: "This initial public rollout of Screenex is an exciting opportunity for us to show off the system's capacity for high resolution video, text and graphics. It's an ideal use of the technology, keeping European rail passengers up to date with timetables, safety alerts, weather and news updates. I'm especially proud of our R&D team and engineers who have created incredible products that are virtually impossible to vandalise."

### About OSG

Founded in 1979, OSG (Oran Safety Glass) Ltd. is a global developer and manufacturer of customised glass solutions for a broad range of industries, such as automotive and rail, architecture and engineering machinery. OSG Ltd. offers a variety of glass products such as curved, flat, laminated, insulated, and armoured safety glass.

[www.screenex-tech.com](http://www.screenex-tech.com)  
[www.osg.co.il](http://www.osg.co.il)



Screenex for Defense



Screenex for Public Transport



Screenex for Digital Signage in Rail Stations

## Daw Visual Marketing Solutions carry out rebranding



When Ben Bailey Homes, Country and Metropolitan Homes and Bett Homes were rebranding to Avant Homes, Daw Visual Marketing Solutions were asked to do the job.

Daw Visual Marketing Solutions used their 25 years of experience to help make this transition as 'speedily and efficiently' as possible. They specialise in sales and marketing suites, external and internal signs, construction compounds, health and safety notices and vehicle livery graphics.

Working from their 10,000 sqft manufacturing facility in the North of Glasgow, Daw's highly trained production staff are complemented by an in-house creative design team and a fleet of mobile fitting squads. "Combine proven know how with ongoing investment in state of the art technology, a service-led philosophy, and a 'can do' attitude and you have the recipe for quality results, delivered on budget and on time,"

says Managing Director, Gary Daw.

Gary said: "From custom one-of-a-kind signs to comprehensive brand conversions such as Avant's, we have all the necessary in-house expertise to conduct this work to the highest standards."



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# FIXTURES AND FITTINGS

*With diversification in signage happening on a regular basis, manufacturers and suppliers of fittings and fixings must evolve to provide the market with product lines that can keep pace. Jemima Codrington finds out what is new for 2016.*

**Based in Glasgow, i-sPi is a leading provider of fixtures and fittings for the signage market. The product range is vast and varied, as the team are constantly working with client feedback and industry trends to develop new ideas.**

In addition to the standard aluminium, brass and stainless steel fixings, i-sPi now have a fixing that has LED incorporated into it. Although the product has been available for the past two years, it is over recent months they have seen interest in this product grow substantially. It works as a standard fixing, but with the LED already built into it, life is made easier for the sign maker at the time of installation and the finished product more interesting for the end-user. "When we first had the idea for it, we couldn't even get it manufactured," reveals Managing Director Stephen Ferrie. "We came up with the design for it and when we could get it made, it's just become more and more popular."

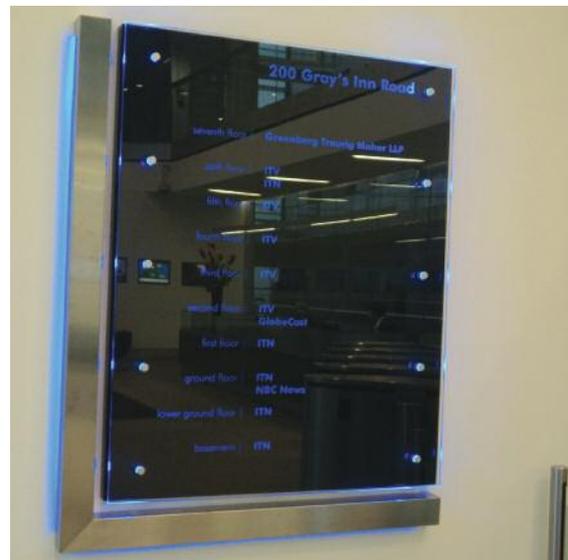
As the variety of signage installations and trends has grown, Stephen and the team have had to come up with new ideas for fixings that can help the sign trade realise their visions. "We've had to increase the range of fixings available, especially when you start talking about backlit panels," says Stephen. One key area of exponential growth has been in the estate agent market; as demand has grown for illuminated hang-

ing window displays, the team has been quick to develop products in response to that demand, bringing them out new to the market this year. Another popular product range is Signalite, an exclusive selection of sign fixings that can be used to create stunning illumination. They have been used in a number of signage applications, including one installation of a directory board in a reception area (pictured). "This was actually the first big job that we'd done with the LEDs", says Stephen. "Basically the client used two pieces of acrylic, one darker piece behind a clear, and using blue LED around the fixings created a great finish."

## Weighing up the options

Over the past few years, Stephen notes that one of the most common mistakes the team has seen involves placing fixtures and fittings under too much pressure – that is, not weighing up the sign before selecting the fitting.

"If you use too few fixings on a sign, you may think it looks better, but the fact is it just won't support the weight," he says. "You need to be careful about the weight distribution when you're using these fixings, otherwise you're going to have signs coming off the walls." Sign makers should take extra care when installing signs made of heavier substrates, particularly outdoors where un-



*A directory created using Signalite.*

seasonable weather and conditions can cause damage that simply wouldn't occur with an interior installation. Anything made with a thick acrylic of over 15mm, or metals such as stainless steel for example, should have extra reinforcement. This means not only selecting the right number of fixings to bear the load correctly, but also prepping the brickwork itself to make sure those fixings adhere to the wall with strength. "A fixing is just that – a screw into the wall – so any extra support you can have at the base is important especially when it's outside," says Stephen.

The issue of weather has been a consideration for Stephen and the team; as a number of high-pressure storms have battered the UK over the past six months, i-sPi are now supplying high levels of marine-grade stainless steel to give sign makers a better chance at creating installations that will last. "It's just a better quality of material, especially if the sign is in an area where there's a lot of rain," he says. "These are better when it comes to withstanding corrosion. We've also added a number of lockable fixings too, which are good for areas that are prone to vandalism. We do supply a lot of those to schools, as kids like to fiddle with the fixings to see if they come off, which of course they can do. These fittings can be simply secured with an Allen key and just provide that extra level of security."



*Another example of i-sPi's Signalite in use.*

[www.ispitrade.com](http://www.ispitrade.com)

**CJ Retail was the recipient of the POPAI Gold Award in 2015 for their work on the Boots Christmas retail display project.**

Mike Houghton, Group Marketing Director at CJ Retail, reveals how pivotal a role the fixtures and fittings played in the nationwide installations. "Research revealed that the retailer was being labeled alongside supermarkets rather than department stores, something Boots wanted to change over the Christmas period," he says. "The fixtures and fittings being used in their merchandising displays didn't fit this image, so they invested very heavily in the fixtures and the signage itself to get across this premium, minimalist gift selection. Rather than having a shelf-space on which you could technically have about 30 products, they took that space and only had about two or three products to create a more exclusive feel. To complement that, they commissioned bespoke display furniture, and crucially, commissioned the display with LED lighting. This is a big, big thing we've seen emerge over the past few years to enhance fixtures and fittings."

While CJ Retail does not manufacture any products themselves, they offer plenty of added value in the form of installation advice and consultation in addition to being a supplier. For example, when looking at the initial prototypes and designs for the Boots fixtures, they were able to tell from the early stages that they wouldn't be able to install them in around 42 of the Boots stores. "This was simply because the lifts weren't high enough to get the units onto the first floor of the store; by making a slight change, we were able to get them into any Boots retailer they had," reveals Mike. "Being involved that



*CJ Retail were involved in the early stages of the Boots project.*



*The installation was part of their Christmas campaign.*

early in the process can not only make our lives simpler, but it can help a lot of the brands and retailers save a great deal of time and stress."

### Lighting the way forward

Mike notes that LED solutions have become increasingly popular for both indoor and external applications, and with this increasing focus on LED comes the need for more varied fixtures and fittings.

This is namely due to the fact that the issue of power supply has become important. "In most cases we'll need an electrical contracting solution to the installation, whereas say five years ago, that was quite rare," says Mike. This is important not only

for the lit signage installations, but also when dealing with digital signage. Interactive RFID signage has become a huge growth area for CJ Retail, according to Mike. With this, there's a shelf accompanied by a screen that displays product information as items are picked up. With this constant change in technology and increase in popularity, there comes a need to create new brackets and fixtures to install it into different store layouts.

Mike notes that while fixtures and fittings may seem like a small component of the overall signage installation, they are in fact a crucial part of the process. For example, in one case, a job involved signs that had a fixed nut as opposed to a wing nut. Due to this, only two installations would fit in a van at a time, as the header unit had fixed screws that were not adjustable. "Had a wing nut been used, we could have got eight in a van at a time, saving the client over £40,000 in distribution costs alone," says Mike. "The message we always try to get across is not to treat people like us as just distributors, as we've got a lot to offer from a consultancy perspective that can be of help and that can save considerable time and money."

[www.cjretailsolutions.co.uk](http://www.cjretailsolutions.co.uk)



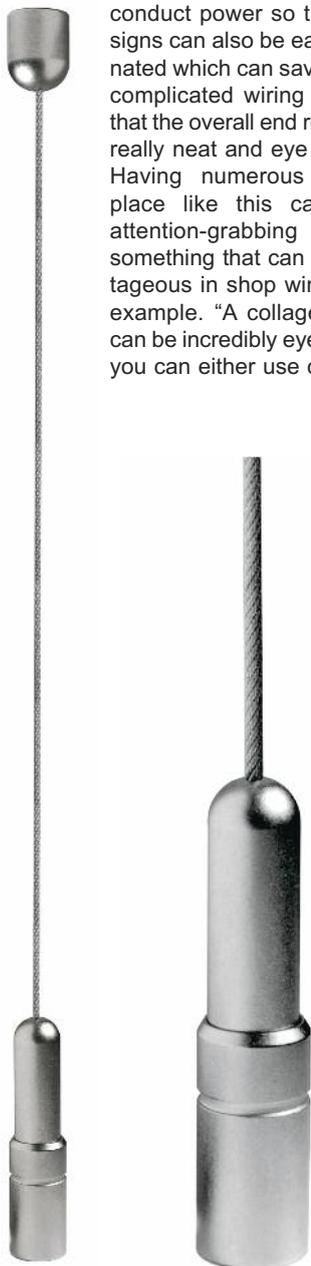
*Fixtures and fittings created a premium look.*



# FIXTURES AND FITTINGS

Fairfield Displays & Lighting supply fixings that enable signs to be fitted to a wall or suspended from a ceiling, and the method of installation plays an important role in the overall look of the sign, says Marketing Manager Janice Fairfield.

Suspended signs in particular can provide end-users with versatility and a clean finish, and provide sign makers with a cost-effective and fast way of completing an installation. "The beauty of using a suspended system is that you can put several signs one under the other and they can easily be removed at a later date," says Janice. "The system can also be used to conduct power so that all the signs can also be easily illuminated which can save hours of complicated wiring to ensure that the overall end result looks really neat and eye catching." Having numerous signs in place like this can be an attention-grabbing design, something that can be advantageous in shop windows, for example. "A collage of signs can be incredibly eye catching; you can either use one image



Cable fixings from Fairfield Display & Lighting.



WM15 and WM20 sign supports hold four panels.

broken up or a selection of images with coloured panels to add branding or a sales message," says Janice. "To ensure the collage looks like one complete display you would use the linking component WM20 – which means that four signs can be fitted with one central fitting rather than using four separate sign supports, this makes a much tidier and more professional display."

There is a wide range of quality sign supports available from Fairfield, which are available with a 12mm, 16mm and 25 mm diameter, along with a choice of lengths up to 75mm. These supports are made from solid brass and finished in satin chrome, giving sign makers ample choice when it comes to selecting the perfect finishing look.

## Modern fixings for contemporary designs

Even the most contemporary and stand out signage designs can fall flat without the right fittings in place – and not just literally.

Increasingly, fittings are being used to enhance the signage as part of the overall design, rather than playing a purely perfunctory role in supporting it. It's important then to choose the right products that not only bear the load correctly and evenly, but that also create the right impression. Janice notes that there are many instances when a sign may need to be placed in a window for example, but it is of course not practical to suspend the sign from the window.

.....Continued on page 68

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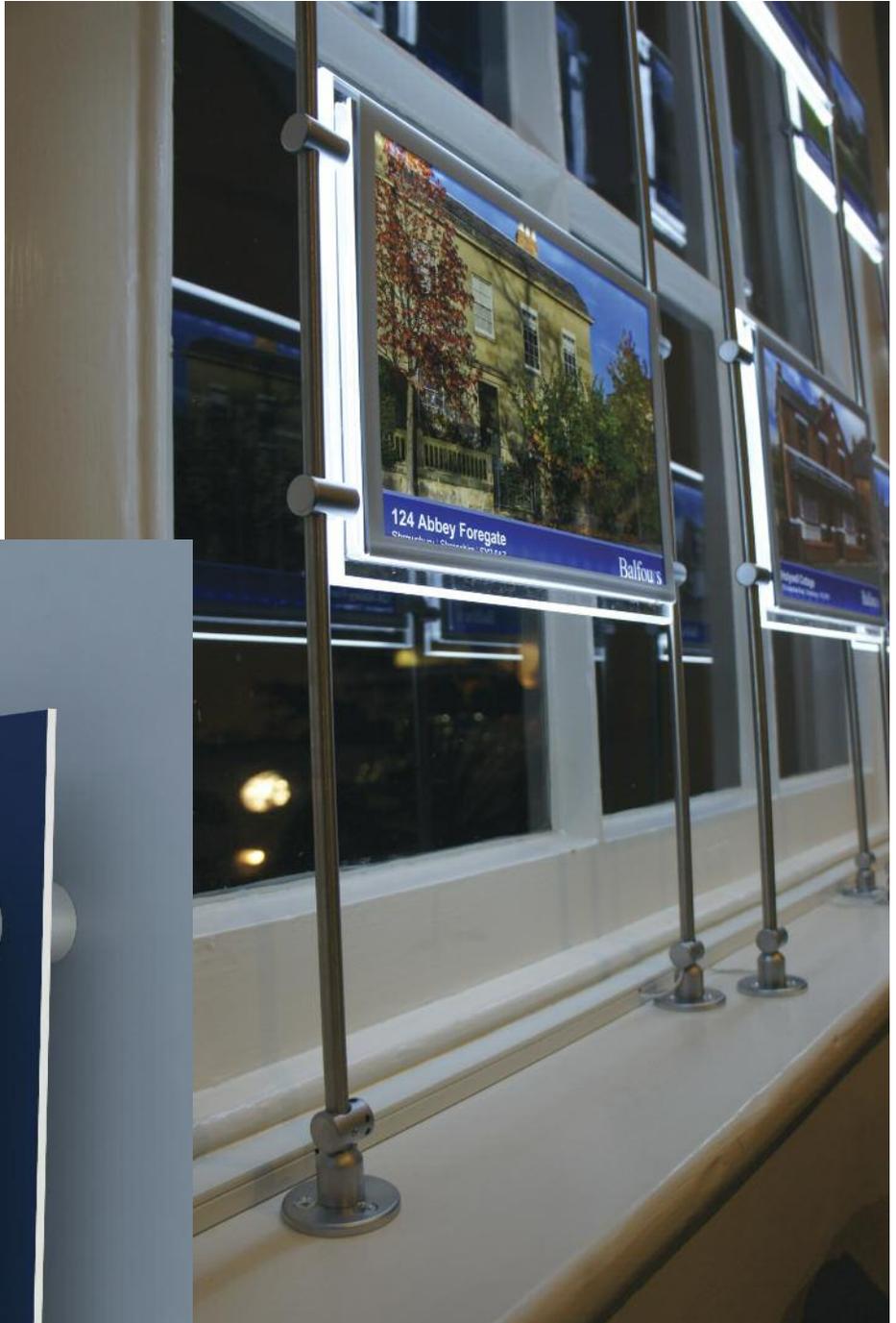
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# FIXTURES AND FITTINGS

"You also don't want a really heavy structure that will block out the light," she adds. "A simple effective solution is to use 10 mm rods that project up to a metre from the base. An illuminated or a non-illuminated sign can then be easily be positioned at the required height and the effect can be stunning." Janice adds that this type of sign works well for menus in restaurants, signs in offices, estate agents and hair salons, and that this particular design helps companies get around difficult planning restrictions for old buildings where an external sign is not allowed. "If the units are being lit, you can even supply the client with a dimmer so that they get the light at the correct brightness for the project."

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*Fixings can stylishly mount signage on a windowsill, seen here.*



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## NovaDura and Durable Signs create the 'perfect fit'!

Recyclable Sign specialists, NovaDura, announced the take over of Bridlington based Durable Signs. The move combines the two industry specialists in the anti-graffiti and vandal resistant market. It's also safeguarded a number of jobs at the Carnaby Industrial Estate site. This news follows a successful launch 18 months ago, of their 100 per cent recyclable ecoDURA high pressure laminated paper brand.

Glenn Dunleavy, NovaDura Managing Director, said: "Combining two leading companies within the sector is an exciting prospect and puts us in a strong position for 2016. The NovaDura brand has gone from strength to strength and we are the only serious choice for recyclable, anti-vandal and anti-graffiti signage. We'll be combining our marketing and sales force with Durable Signs' 14 years experience and exceptional product quality under the primaDURA brand."

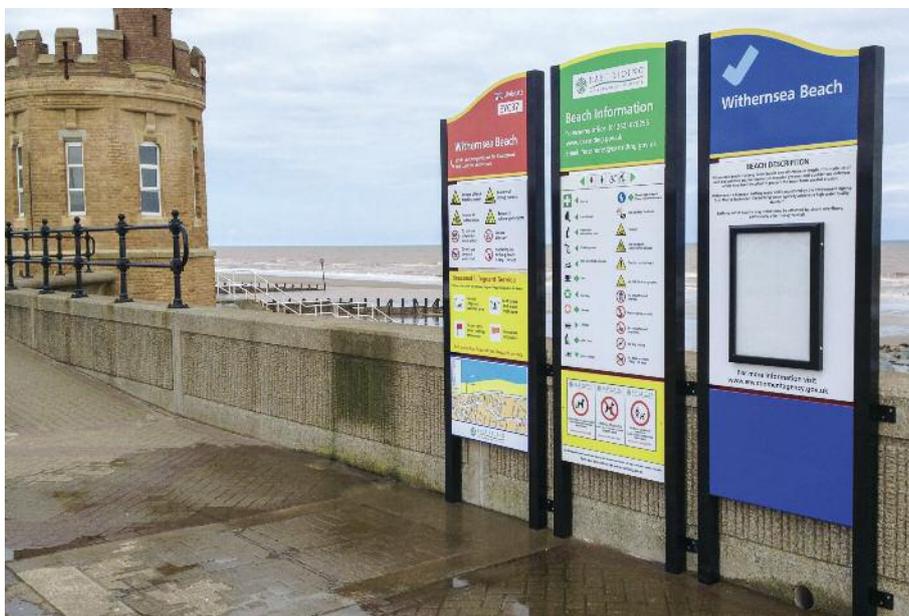
NovaDura will have greater in-house flexibility to continue targeting prestigious high street signage such as the banking sector, national heritage, railway and underground signage. Here their flagship product meets vehicle category specifications of BS EN 45545-1: 2013 and satisfy the requirements of LUL1-085:Issue A2 for use on the London Underground.

The deal was negotiated between Glenn Dunleavy, Managing Director of NovaDura Ltd, a sister company of sign-bond-

ing experts, Innova Solutions, and Sam Fraser, Director of Durable Signs. Sam will continue as Technical Director and Kevin Fraser as Production Manager.

The NovaDura range has four key product lines that provide a multitude of solutions in the sign market, all with a focus on recycling and durability. Their primaDURA

line is a coated, full colour digitally printed aluminium or stainless steel product that is totally encapsulated under their special heat process to protect the signs integrity. They come with a 10 year UV warranty against fade to BS3900 standards and provide long-term resistance to harsh weather conditions, naked flames and damage from vandals.



RNLI signs made from NovaDura products.

## Papergraphics and CWE Solutions join forces

CWE Solutions completed an agreement to join the Papergraphics group, to form one of the UK's largest providers of wide format digital print solutions.

CWE Solutions, which was founded in 1999, has reported a sustained period of growth, becoming one of the UK's leading suppliers of wide format hardware, according to the company. One of HP's largest resellers in Europe, CWE joined the Papergraphics group immediately, but will continue to trade as CWE Solutions in the immediate future.

Having specialised in media for over 30 years, wide format print specialist Papergraphics entered the hardware market in 2015, after bringing in PaperInX's former Digital Solutions team.

Together the companies will be able to provide businesses operating in the graphics industry with a comprehensive range of hardware, software and media. Papergraphics will supply equipment from HP, Canon, Epson, and CWT, as well as high quality media such as fine art photo papers; indoor and outdoor solvent and water-based print media; digital wallcoverings; finishing laminates; and films and proofing media.

John Selby, Papergraphics' CEO, said: "We're delighted to announce this new partnership. The success we achieved entering the hardware market gave us the confidence to expand our operations. CWE Solutions is an established and respected business in the UK. Bringing in its product portfolio, knowledge and client base will complement

our recent expansion and help us secure the long term future of Papergraphics."

Doug Gilbertson, Managing Director of CWE Solutions, said: "Over the past few years we have become a recognised name within our industry. But I feel that we have reached a point that requires a bold and significant next step. Joining together with Papergraphics, an equally established name in the industry, will help us do just that.

"I'm excited to be joining John and Nathan, and building a businesses that will provide the graphics industry with the best and most comprehensive printing solutions available."

Papergraphics increases its staff count to more than 100, with the two businesses combined turning over in excess of £30m.

**NEW**

# VersaUV

## LEF-300

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SIGN &  
DIGITAL UK

Stand H30

2016

# IMAGE FACTORY

— PRODUCTIVE DIGITAL CUSTOMISATION —



### NEW LED UV INKJET FLATBED PRINTER

The VersaUV LEF-300 delivers the flexibility of digital customisation and takes productivity to the next level.

With a high capacity print bed of 770mm x 330mm, the LEF-300 direct prints on to a whole range of merchandise up to 100mm in height and 8kg in weight. Offering precision and quality print on substrates including acrylic, wood, board, metal\*, glass\*, plastic, fabric, leather and eco-leather.

The VersaUV LEF-300: your profit-making production device.

For details visit [www.rolanddg.co.uk](http://www.rolanddg.co.uk)  
or call 01275 335540

Items shown in the above image are purely for illustration purposes.  
\*Primer may be needed for certain applications.



**ECO-UV**

*VersaWorks Dual*  
RIP & PRINT MANAGEMENT SOFTWARE

Imagine.  **Roland**

## New features for Sign & Digital UK 2016

A schedule of live product demonstrations and an online meeting booking facility are set to improve the visitor and exhibitor experience, and will be available to pre-registered visitors in the run up to the show.

The new schedule of live product demonstrations taking place throughout the show will help visitors make the most out of their experience. Exhibitor demos will allow visitors to see equipment in action, and learn from industry experts. Demos from some leading suppliers have been confirmed so far, with full schedule details to be announced shortly.

The 2016 show will also see the launch of an online meeting booking facility, where visitors will be able to schedule appointments with exhibitors throughout the duration of the show.

Details and timings of all new show features will be available to view and schedule as part of the visitor registration process online. This means that visitors can fully plan ahead for their time at the show, and make sure they get the most from it.

Rudi Blackett, event director for Sign & Digital UK, said: "We really wanted to create a thoughtful and tailored experience for both visitors and exhibitors – a place where they can do business, see products in action and learn tips from the industry's experts.

"Enabling visitors to schedule appointments and product demos in the weeks leading up to the show means that they can get exactly what they want from it - they can be proactive and organise their time at the show effectively. The show is tracking 21 per cent ahead on stand bookings compared to the last show, so we're really excited for 2016."

Sign & Digital UK 2016 takes place at the NEC, Birmingham on 19-21 April and is free to attend for trade visitors. [www.signanddigitaluk.com](http://www.signanddigitaluk.com)

THE UK'S PREMIER SIGN MAKING, DISPLAY SOLUTIONS AND DIGITAL PRINTING EVENT  
19-21 APRIL 2016, HALLS 17-18, NEC, BIRMINGHAM

**sign&digital UK**

### Sign & Digital UK 2016 announces third year of consecutive growth

More than 200 exhibitors are expected to be at the show, and companies who have already confirmed include Agfa Graphics, Canon, Colourgen/Mutoh, Epson, Esko, Hewlett-Packard, Hybrid Services/Mimaki, Jetrix and Roland DG.

The show is on target to be at least 10 per cent bigger than the 2015 event, with exhibitors such as Antalis, CMYUK, Perfect Colours, QPS, Signmaster Systems and Vivid Laminating taking larger stands. There will also be many new or returning exhibitors such as Colourbyte, Complete Sign Illumination/GE Lighting, Daltons Wadkin, KIP, Papergraphics, Rollroller AB, Route1Print, Snap Products and Universal Sign Systems.

Rudi Blackett, event director for Sign & Digital UK said: "The success of the 2015 show, which attracted just over 6,800\* visitors and more than 180 exhibitors has cemented our reputation as a buying show with large volumes of business taking place at the show and in the months following."

\* Source: independent audit carried out by the BPA



## Chairman of Zeta Specialist Lighting in the New Year honours list

Phil Shadbolt, Chairman of Zeta Specialist Lighting is among those honoured with OBEs in the 2016 New Year honours. He has been recognised for services to Business and Innovation.

Phil set up Zeta Specialist Lighting, a research and development-led company which has a strong heritage in designing and developing LED and solar powered lighting solutions. The company, which marked its 25th anniversary in 2014 with a £3.5 million investment in its UK manufacturing facility, champions its 'made in the UK' mantra. They strive to play a key role in ensuring that the UK remains at the forefront of technological innovation.

Zeta was one of only eight firms selected to set-up a display stand and exhibit its products to The Queen and Prince Philip at an event organised with the Technology Strategy Board. The company was also se-

lected to showcase its offer at Innovate 2015 the multi-sector technology showcase with global reach.

The company has a portfolio of patented product innovations one of which, the Zeta Bespoke Solar Signage Kit, was named Sign Product of the Year at the 2014 British Sign Awards.

In 2010, the company won funding from the Technology Strategy Board and Defra through the Small Business Research Initiative. They are also involved in a three-year project with Plessey Semi-Conductors, which will lead to more advanced LED technology becoming available.

Phil said: "I'm thrilled and honoured to be recognised in such a way. I'm very proud of Zeta's successes and achievements over the years. All of which wouldn't have been possible without the backing of a great team."



Zeta Specialist Lighting Chairman, Phil Shadblot

## PPB raises over £23k for Treloar's Trust

PPB Ltd, (formerly Proctor and Buchannan), became involved with the Treloar's Trust over 40 years ago after John Proctor, the original founder director of Proctor, visited the school. Supporting this vital Trust reflects strongly the family ethos that is very much at the core of PPB's values today.

PPB Ltd is an independently owned distributor and converter of point of purchase

materials and substrates to the screen print, digital and large format markets such as sign makers, fabricators and wide format digital printers.

Treloar's was started in 1907, when the then Lord Mayor of the City of London set up a charitable fund as his mayoral appeal. His aim was to build a hospital and school outside the city for children with non-pulmonary

tuberculosis. Since then, Treloar's has steadily grown and developed, becoming one of the country's leading providers of education, care, therapy, medical support and independence training for disabled young people.

John was asked if he could help raise funds for this important trust and to date, with the generous support from customers and suppliers, he has helped raise over £23,000. This year alone, John has already raised £1,975 which includes funds generated by PPB's decision not to produce a Christmas card last year, but to make a donation to the Trust instead.

John said: "Treloar's values of enabling education for disabled children are still as motivating today as they were at the beginning. I have recently received a thank you letter from a boy at the Trust who is using donations to help fund 'eye gaze technology'; this is where disabled children can use a computer screen to look at words or images on screen to aid communication. The trust is also pioneering wheelchair advancements such as 'footswitch' devices. At PPB, we will continue to raise funds and help with the work of this invaluable trust for disabled children and young adults."

For further information, or to make a donation to the Treloar's Trust: [www.treloar.org.uk](http://www.treloar.org.uk)





## Big changes at Kremer Signs

Kremer Signs relocated their Newbury based head office to a 15,000 sqft, state of the art production facility in 2015. This move was a strategic investment from the owners. With the additional space they hold their own raw material stock (over 100,000 sheets of correx material and 25,000 timber posts) which enables them to satisfy high demand without having to wait on raw materials. This move was shortly followed up by their acquisition of Bristol based signage company Site Signs, who produced signage for estate agents for over 50 years.

The new year has already seen Kremer Signs invest £750,000.00 into two, new top of the range wide format printers. The Océ Arizona 6160 XTS has the print capability to print up to 155m<sup>2</sup> per hour, to make production turnaround times four times faster. The new six-colour Océ VariaDot™ imaging technology produces ink droplets from six to 42 picolitres resulting in 'superb image detail, smooth colour transitions and vivid, uniform solid colours'.

Gary Gosney, Sales & Marketing Director at Kremer Signs, said: "We are excited to announce the investment into two new wide format printers, as part of our 2016 plans. Kremer Signs are continually researching and investing in the latest technology to offer our customers the best product and service. This investment will half our current lead times whilst enhance the quality and finish of all of our printed products."



Gary said: "We have seen a much higher demand from independent estate agents spread across the UK. And another benefit from the new machines is that we can produce smaller runs at competitive rates, with a quick turnaround."

Kremer Signs worked hard to identify the requirements of all agents. "In 2014 we carried out a survey with our existing cus-

tomers to establish the most important factors to an agent when choosing a signage supplier. The results showed that quality, speed and price are the most important aspects to an agent when placing an order. With our recent changes and investments, we have improved upon all three of the key influences to an agent when selecting their preferred supplier," says Gary.

## Kornit Digital ships multiple Avalanche 1000 systems for Amazon's print-on-demand service

Kornit Digital's flagship high-productivity system, the Avalanche 1000, was chosen for the production of promotional textiles for Amazon's recently announced Merch by Amazon program.

Amazon's Texas-based facility has been a long-term Kornit user as part of Woot, which is an Internet based retail program that offers daily deals on products such as printed textiles. This facility has used other Kornit direct-to-garment printing systems for several years, and added multiple new Avalanche 1000 units during 2015 to support Merch by Amazon. Kornit will build additional Avalanche 1000 systems that will handle the growing production needs of Merch by Amazon.

The agreement also includes on site support by Kornit Digital's field service professionals, to ensure continuous production in multiple shifts.

Sarel Ashkenazy, Kornit's Executive VP of Sales said: "State-of-the-art mass customisation means benefiting from the economies of scale while providing a customised, high-quality product to every customer. Kornit has a reputation and solid expertise in this field, based on its vast worldwide installed base."

[www.kornit.com](http://www.kornit.com).



*The Kornit Digital Avalanche 1000 digital textile printer.*

## InkTec launch printer training sessions

Focused on helping printers streamline the printing process and keep wasted print runs to a minimum, the sessions will be open to printers, sign-makers and those new to the industry.

They aim to give printers the skills and tools to enable them to print more efficiently, save time and importantly reduce costs, says the company. The first workshop will be run in association with Caldera at InkTec's Innovation Centre in Witney, on 24 February 2016.

The programme has been carefully developed to encourage open discussion, so

everyone gets the most out of the workshop. Key areas being explored will include receiving the initial print files; profiling including printing with spot colours, white and varnish; and achieving successful outputs. There will also be the opportunity for all to discuss their printing challenges and how these can be resolved. Whether this is relating to the wide range of substrates available, or involving straight forward print, wallpapers, textiles, graphics or more involved, creative POS.

Joey Kim, MD of InkTec, said: "The nature of printing today means there is always

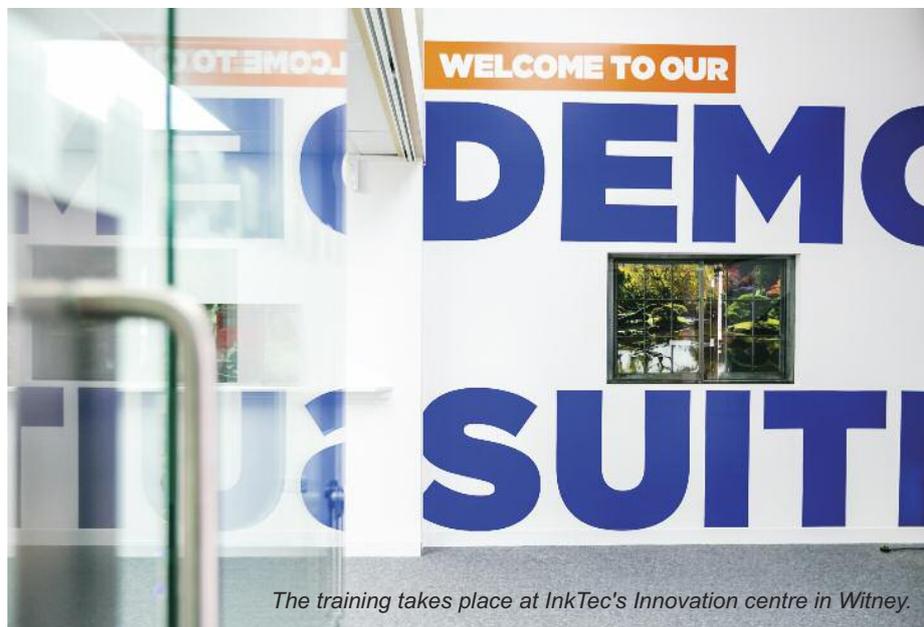
a need to learn, as original applications and new business avenues are constantly arising for printers. It is a challenge to keep up, which is why we endeavour to offer courses to help printers with practical advice. Plus give the skills and confidence to explore unique ways of delivering inventive new products."

The tie in with Caldera means that many options can be explored through its user-friendly interface. 'Extremely' fast and stable, Caldera V10's rapidity in RIPping files matches its intuitive work flows for particular job types. And due to its 64-bit data handling it can RIP much larger files, which opens up the options with transparencies and variable data.

Joseph Mergui, CEO of Caldera, said: "Rather than corner users into a single type of production, it's our mission to enable them to take advantage of printing opportunities, wherever they are."

For those wanting to get the most out of their wide format printer and learn new skills to help their print business grow, at £80 per person this is the perfect course to attend. With limited places available, it is deliberately being kept small and intimate.

InkTec are also looking to run a programme of workshops, all centred on building the knowledge of printers. Not content with just doing this with Caldera, InkTec are exploring other sessions with other industry players and software manufacturers to encourage the sharing of information, skills and ideas.



The training takes place at InkTec's Innovation centre in Witney.

info@inkteceu.com  
Phone (0)1993 862 770

## New Year, New Ink!

To promote the launch of its new generation ECO-SOL MAX 3 ink, Roland DG has a special conversion deal to existing Roland DG customers, when they upgrade to ECO-SOL MAX 3.

From 18 January, customers who buy two sets of 500cc ECO-SOL MAX 3 cartridges will get an additional set for free. Customers will also have the option to return unused ECO-SOL MAX and ECO-SOL MAX 2 ink cartridges<sup>1</sup>.

Gillian Montanaro, Head of Marketing Roland DG EMEA: "Our new ECO-SOL MAX 3 ink offers many fantastic advantages, not least a saving of up to 10 per cent on ink usage. Customers using the inks will also benefit from even faster drying times, the efficiencies of bigger 500cc cartridges and a lower price per cc of ink."

ECO-SOL MAX 3 ink meets the latest health and safety regulatory requirements and has received Gold Greenguard certification. This means the product is acceptable for use in environments such as schools and hospitals.

It is suitable for use with Roland DG's eco-solvent printers and printer/cutters, in-

cluding the current range of devices and most legacy machines. This means that almost any Roland DG printer brought to market since 2007 can upgrade to the ECO-SOL MAX 3 range of inks.

Offer expires on 31 March 2016 and is only available while stocks last.

[www.rolanddg.co.uk](http://www.rolanddg.co.uk)



The 'new generation' ECO-SOL MAX 3 inks from Roland DG.

# FASTSIGNS® International relocates and announces new managing director

FASTSIGNS® International Inc. recently relocated its UK head office from Chesterfield to the Staffordshire Technology Park. The also announced John Davies as the new UK Managing Director.

John has an extensive background in business development, gained during a twenty year career working within franchising, retailing, manufacturing and construction sectors for some of the UK's leading businesses.

John said: "I am delighted to have joined FASTSIGNS® as the new UK managing director. FASTSIGNS® has been part of the UK signage market for almost 25 years, during which time it has built a reputation as an experienced and innovative visual marketing solutions provider. With 19 regional centres, we are well placed to work on local and national signage projects. The move to Stafford makes strategic sense for a company with franchises across the UK and we're looking forward to reaping the benefits of being in a central location."

FASTSIGNS® International, Inc.'s CEO Catherine Monson said: "We're very pleased to have John on board and to have relocated



the head office to Stafford. We're delighted to announce we will also be creating new jobs as we find our feet in our new location."

[www.fastsigns.co.uk](http://www.fastsigns.co.uk)

*Left to right: UK Managing Director John Davies, Senior Vice President of Marketing Drue Townsend and Business Consultant David Callister at the new UK Headquarters of FASTSIGNS.*

## Tealwood celebrate 50 years!

Tealwood Group is proud to announce that 2016 marks their 50th anniversary.

Since the company was founded in 1966, Tealwood – a family owned and run business – have carved out a reputation for being engravers and printers, renowned for taking on jobs others were not able to do.

The founding partners, Alan Teal and John Silwood, were both lifelong engravers

by trade. And with just two engraving machines, established Tealwood in a small workshop in Horndean.

Managing director Anthony Teal, son of Alan Teal, joined the company in 1981 just before the retirement of John Silwood in 1983. Anthony originally handled the accounts but soon found his passion lay with screenprinting.

With father and son at the helm, Tealwood acquired Screenprint '87 in 1994 to further their screen printing services. Alan retired in 2000 leaving Anthony as the sole director. Under his guidance Tealwood continued to grow, and they acquired Badgers, a specialist corporate badge making company, in 2003.

Moving with the times, Tealwood purchased two CNC engraving machines, a vacuum forming machine and two digital printers.

By 2014 they had outgrown their Emsworth premises and moved to their current unit in Waterloooville, increasing their floorspace by 200 per cent to 9500 sq ft.

Tealwood offer a wide range of services such as screenprinting, CNC engraving, rotary printing, pad printing, UV digital flatbed printing, digital vinyl printing and sign cutting, as well as laser cutting and engraving.

Anthony said: "Our mission statement has always been Any Shape, Any Colour. We've built our reputation on being able to tackle any job, of any size, and over the years have fulfilled many major contracts for a wide range of notable industries. I'd like to thank all of our loyal staff, customers and everyone that has helped us out over the last five decades, to make us the company we are today."



*The Tealwood team, proudly celebrating 50 years.*

NEW

# 50% BIGGER



# 60% FASTER

## VersaUV LEF-300

Digital Factory UV Edition included with every new Roland LEF-300

New Digital Factory edition enables you to get more out of your desktop UV printer, saves you valuable time and reduces your ink costs

The new digital factory UV edition makes using white and clear even easier as it eliminates you having to prepare an under base or masks using spot colours / process colours

Using a jig just got easier!! Just drag and drop the different artworks into the RIP

### Here are just some of the features:

- The software automatically creates underbase layer for artwork
- Automated black background 'knock-out' feature that literally blends black artwork components into black substrates, increasing print quality while reducing ink consumption
- Print directly from any design application to Digital
- Factory queues without having to prepare underbase layers
- Customisable template feature, ideal for Jig creation
- Drag and drop supported files into Digital Factory queues without having to prepare underbase layers
- Global as well as spot clear coat application supported

# Roland

## SOLJET PRO4 XR-640



- 64" print & cut
- Dual head
- 49.1 sqm p/h
- Optional white & metallic

## VersaCAMM Print & Cut SP-540i



- 54" print & cut
- 6.7sqm p/h
- 4cl : CMY
- Also available in 30"

## VersaUV LEJ-640F



- UV Printing - Instant curing
- Print upto 1.6x2.5m
- Print up to 150mm thick and 200kg

**Second hand refurbished equipment also available from £4,995**

Website: [www.signmaster.co.uk](http://www.signmaster.co.uk)

# OKI Open Day

**Thursday 3rd March**  
at Signmaster Systems

Digital Court, Waymills Industrial Estate  
Whitchurch, Shropshire, SY13 1TT

Book your place online at  
[www.signmaster.co.uk/okiopenday](http://www.signmaster.co.uk/okiopenday)

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See the latest in wide-format technology from OKI

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- 2 year warranty
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- 64" production print only
- High capacity ink system
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- 2 year warranty
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- 6 or 7 colour
- Print head protection

### Color Painter™ H3-104s



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- High capacity ink system
- Print head protection
- 8 colour
- Auto calibration
- 1 year warranty

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email: [email@signmaster.co.uk](mailto:email@signmaster.co.uk)

## CMYUK invests in apprenticeships to support the next generation of print specialists

Wide format print technology provider CMYUK is supporting the next generation of print specialists, with the appointment of a Digital Pre-press and Digital Printing apprentice.

Harry Norton, 17, took up the post in September, and will spend around two and a half years doing in-house training and specialist accredited courses run by manufacturers from across the industry.

Director Robin East said: "We were keen to take on and give opportunities to a

local young person. With no previous experience of the older systems and print methods, we felt this would help them pick up the new, modern techniques with no distractions. "We also wanted a young person with enthusiasm who wanted to learn, and Harry is proving to be perfect for the position. He's fitted in really well with the team and is playing a full role in the successful day to day running of our Training and Demo Centre."

Harry's apprenticeship has been designed and is run by the British Printing In-

dustries Federation (BPIF), the only organisation in the UK running such schemes.

And according to the BPIF, with the average age of the print workforce sitting at 48 years old, the recruitment of young employees is essential to lead businesses into the future.

Steve Power, BPIF Training Coordinator said: "Harry's apprenticeship includes modules on the foundation of print and the industry, plus areas such as health and safety; communicating within the printing organisation; and the running and maintenance of print presses. He and his mentor will also get to choose more specific optional units, which makes the course very bespoke to the learner's surroundings."

Robin said: "We intend to start another apprentice at the same time next year, as well as taking on new staff from the market. It's important to invest in skills or we'll all face a shortage of qualified people."

"We received a £1,500 grant to provide specialist training during the apprenticeship. Harry will be doing accredited training from Adobe including beginners and advanced Illustrator and Photoshop. CMYUK will also provide advanced training on EFI/ VUTEK printers, Mimaki printers and cutters, MTEX sublimation printers and Zünd cutters."

Harry said: "The apprenticeship is going really well – as well as doing the training I'm working in the demo and training centre, operating all the printers with the Zünd cutting table to produce samples."



CMYUK apprentice Harry Norton.

[www.cmyuk.com](http://www.cmyuk.com)

## CMYUK offers free VUTEK prepress and operator training days to all UK customers

CMYUK is offering free EFI/VUTEK prepress and operator training to all UK VUTEK printer users throughout 2016. The initial dates are available until the end of March.

The 'Prepress Training' for VUTEK digital printing is a one day course covering white ink file creation using Adobe Illustrator and Photoshop; file preparation for cutting; and live experience of complete production workflow with Create-Rip-Print-Cut. Participants will need a basic knowledge of Adobe Illustrator and Photoshop.

The 'Operator Refresh Training' for EFI VUTEK digital printing is a two day course covering Fiery XF rip overview (excl. colour profiling); printer control software overview; health and safety; maintenance; media handling; experimenting with different media and applications. Participants will need a minimal knowledge of the Fiery XF rip (import job and print) and VUTEK printers (load media and print).

The training courses will take place in the CMYUK Demo & Training Centre: Unit

3B, Vanguard Way, Battlefield Enterprise Park, Shrewsbury, SY1 3TG from 9am to 5pm. The first dates available are:

• Prepress Training (Wednesdays): 13 Jan/10 Feb/17 Feb/9 Mar/16 Mar

• VUTEK refresh training (Tuesday and Wednesdays): 19-20 Jan/23-24 Feb/22-23 Mar

[www.cmyuk.com/vutek-prepress-training](http://www.cmyuk.com/vutek-prepress-training)  
[www.cmyuk.com/vutek-refresh-training](http://www.cmyuk.com/vutek-refresh-training)

# Grow your business at P&P LIVE!

Printwear & Promotion LIVE! is on at the NEC Birmingham from 28 February to 1 March. A visit to P&P LIVE! is a must for companies looking to add product and garment decoration to their business.

Commenting on the opportunities for those in sign making and digital printing to expand, event manager Tony Gardner said: "Garment decoration has a low start-up cost and the market is experiencing considerable growth. Most garment decorators find that ROI (return on investment) happens relatively quickly."

With over 150 stands and 20 new exhibitors, advice and numerous product demonstrations, the event showcases a range of equipment, new technology and all of the latest garment styles available from over 60 clothing suppliers.

Visitors are encouraged to beat the queues on the day, by registering in advance for free, fast track entry. Just turn up, have your ticket scanned and you're in!

The last event broke all records, with 5,414 visitors attending from over 3,000 companies. The exhibition has grown substantially in recent years and to meet exhibitor demand, an additional 400 square metres has been added to the 2016 floorplan.

A number of key companies will showcase the latest in cutting edge garment, textile and promotional product printing equipment at the three-day show. Many will unveil new equipment and technology for the first time. Visitors will benefit from on stand product demonstrations and there will be advice available on many topics.

Hall 12, NEC, Birmingham, 28 February - 1 March 2016

## Printwear & promotion

# LIVE!

SO MUCH MORE TO SEE!

A 'first class' source of information and advice, the 2016 seminar programme includes

- Promotional items... what is possible in the digital print world? Joe Wigzell, academy and creative centre manager, Roland DG

- Garment decorating – increasing profits by producing higher value, premium products. Bernhard Nitsche, European sales manager, CADlink.

- The five essential and easy digital marketing techniques that will grow your brand. Asha Elmore, marketing manager, DecoNetwork.

- Fine tuning for embroidery. Karen Burrows, managing director, Madeira UK

- The dos and don'ts of digital direct to garment printing. Oliver Luedtke, director of marketing at Kornit Digital Europe

Each session will last 30 minutes, including time for delegates to ask questions on the presentation. There is no need to register, but seats fill up fast so be sure to arrive early to guarantee your place.

### The Corel Theatre is back

Corel is returning to Printwear & Promotion LIVE! to run a series of free workshops. Embroiderers; garment and product printers will find out how to use the software to its full potential, improving the products and services they offer in the process.

The theatre will play host to several CorelDRAW workshops each day, including guest seminars from DecoNetwork and from Wilcom with DecoStudio e3.

### Fashion Shows

#### sponsored by Regatta

This year's fashion shows are sponsored by Regatta. Three catwalk shows displaying the latest trends in printwear will take place each day, with an extra show on Sunday, 28th February.

### Bag and Headwear Decoration Advice

Sponsored by Beechfield Brands  
Show times

- Sunday, 28 February, 10am – 5pm
- Monday, 29 February, 10am – 5pm
- Tuesday, 1 March, 10am – 4pm



Printwear & Promotion LIVE! 2016 takes place in Birmingham from 28 February to 1 March.

### Download the Printwear & Promotion LIVE! 2016 app

The official Printwear & Promotion LIVE! 2016 show app is available for download to iOS and Android devices.

This essential visitor tool is designed to help you make the most out of your visit.

[www.printwearandpromotionlive.co.uk](http://www.printwearandpromotionlive.co.uk)

## FESPA Digital, 8 to 11 March 2016 Amsterdam

As a city to travel to for work, Amsterdam must be one of the best. Although sadly sightseeing will be limited to the RAI, where FESPA Digital and its two co-shows, will be spread across seven halls. It will be the tenth anniversary of the show, and is shaping up to provide a fitting event for the celebration of digital printing, signmaking and textile printing.



Alongside FESPA Digital, is the European Sign Expo and FESPA Textile. We will have a stand at the sign expo, so pop by for a chat and a heads up of what not to miss. Because it's so enormous, you've got to do your research; plan where you want to go; and factor in lots of rest and coffee breaks (word on the street is the Mimaki stand make the best coffee - let us know if you come across anything better!) The floor plan of the event is a good place to start, to help orientate yourself.

There has been a lot of coverage about the growing area of textile printing, which is why there will be a dedicated hall featuring equipment, consumables, substrates and apparel solutions for soft signage; garment print and decoration; and interior decor. There is also the Digital Textile Conference taking place on 8 March, with a range of sessions and relevant speakers.



### Seminars, workshops and live demonstrations at European Sign Expo

The seminars and workshops will provide visitors with insights into industry trends and best practice, as well as emphasise user examples and impart business advice. Free to attend for visitors to European Sign Expo – as well as FESPA Digital and FESPA Textile – they will take place in Hall 2 every day of the event.

Highlights include: Unlocking the Power of Social, presented by Paul Sackmann, Social Marketing and Community Coordinator EMEA at Hootsuite Media Inc. For sign-makers wanting to know more

about the use of mobile in digital signage, Frank Vallenga, Sales Director EMEA at BroadSign International discusses Mad about mobile: How personal screens drive success of public displays. The European Sign Federation will host one session on Friday morning looking at European Sign Code of Practice.

A daily panel discussion will take place at 12 midday, chaired by Output Magazine's Editor-in-Chief James Matthews-Paul and Editor Ben McCabe, who will be joined by experts from the sign industry.



The discussions will look at topics including The future of signage in a connected world and Diversity and young people in the sign industry. The team from Better Letters will also take to the stage daily (Tuesday to Thursday) at 2pm looking at ghostsigns, traditional sign-writing, and sharing their own experiences of working with signage.

Accompanying the free seminars will be the Sign Seminars demo area, in partnership with Better Letters and Ghostsigns. Here visitors can find Mike Meyer and David Kynaston from Better Letters working on two pre-designed panels throughout the event.

Visitors will also have the opportunity to have their name painted by a professional sign-writer. For those wanting to get involved, using a pre-designed template, they can 'have-a-go' at painting a chosen word themselves.

### FESPA education programme

The Digital Seminars content will provide printers with insights into digital printing technology, and real life examples. The free seminar sessions will run on all four days of the event and will be located on the show floor (stand T170, hall 7)

Sessions will focus on all aspects of digital printing and digital textile printing, and offer a variety of topics for printers to choose from, depending on your business focus.

Digital wide format print seminars already confirmed include sessions on Industrial which will explore how relevant digital print is within the functional print segment, hosted by industry consultant and



analyst, Sophie Matthews-Paul with a panel of industry experts. Marco Olivotto, Owner of Marco Olivotto & C. snc, will discuss the importance of understanding colour management to be successful in a challenging world, in the seminar titled Colour management in the cross media printing world. Marco will also present a session on The colour that refused to print, where he will refer to user case studies to help printers understand how to deal with unprintable colours.

Confirmed talks focusing on textile printing include: 3D printed clothing, where Gavin Drake, Director of Garment Printing will provide a snapshot into what the future of 3D printing is for the garment printing industry. Gavin will also present Direct to garment printing – should we or shouldn't we?, and Screen printing and direct to garment. Justin Hayward will also host a textile session titled Dye-sublimation digital textiles printing trends, drivers, markets and growth.

### Digital Textile Conference

The conference will cover topics such as Insights into the growth and creative development of digital textile markets by Ron Gilboa of Infotrends; Growing your business with fabric printing by Daniel Arzt of Sun Ski Sport s.r.o.; Smart textiles by David Schmelzeisen, Academic, Institut für Textiltechnik der RWTH Aachen; Digital print in fast fashion by Mike Horsten, General Manager Marketing EMEA, Mimaki Europe B.V. And a keynote Q&A on The evolution of digital textile print for fashion with Bruno Basso & Christopher Brooke, Basso & Brooke, who are pioneering the digital print process in fashion, making history with their 100 per cent digitally printed collection.

Duncan MacOwan, FESPA's Head of Events and New Media said: "Our one-day Digital Textile Conference (DTC) provides printers with information and first-hand experience from some of the leading industry experts in this sector. And for any printer seriously interested in expanding their textile offering, will provide valuable insight to help their businesses diversify."



### FESPA partners with Avery Dennison and Mimaki for the World Wrap Masters Series Final

The World Wrap Masters will run across the four days of the show. On the 8-9 March the competition begins with the FESPA European Wrap Masters competition, where wrappers will battle it out to take the last place in the World Wrap Masters Series Final.

The World Wrap Masters Series Final will then take place on 10 -11 March where the winner of the final leg of the European Wrap Masters will join winners from South Africa, Mexico, Denmark, Eurasia, Brazil, Ireland and France, who have already qualified for the final. The series finalists will rise to

the challenge to compete to become FESPA World Wrap Master 2016, wrapping Audi A1 Sportback vehicles as well as more challenging items, such as clogs and a superhero-related item.

Returning as Head Judge, Ole Solskin will scrutinise every inch of the wrapped designs, along with Justin Pate, The Wrap Institute; Kiss Lajos, World Wrap Master 2014 and 2015; and John Duever, President of Vinyl Images from the USA. The winner will receive €2,500, with €1,250 and €750 for second and third place respectively.

## A sneak peek of what will be at the show



For a list of exhibitors and the floor plan, visit [www.fespadigital.com](http://www.fespadigital.com)

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Assets include:

- Sign Lab – full version print and cut
- Computers and software
- Jaguar IV 1500 Cutter (new last year)
- Mutoh ValueJet colour printer
- Wide format Lamination machine
- Hat and garment printing presses
- Scaffold tower and Ladders
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**Key roles & requirements**

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- Full UK driving licence

A good knowledge of installation, interior office branding, exterior shop signs, window film, and good knowledge of event/stand building.

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**Technical Artworker / Signage and Graphics Designer**

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We currently use CorelDRAW!, Adobe Photoshop and Illustrator as well as AutoCAD but are looking for someone to help standardise and develop this area of the business.

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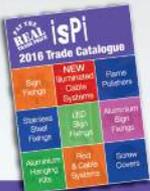
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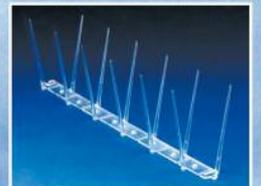
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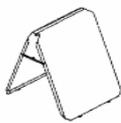
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Specialist manufacturers of built-up/flat cut letters, logos in stainless steel, brass, aluminium etc. Very competitive prices, excellent delivery, highest quality, full design service. Prompt response to all enquiries.

## APPLELEC

Appleby House, Walker Terrace, Bradford,  
West Yorkshire BD4 7HJ

Tel: +44 (0)1274 774477

sales@applelec.co.uk

www.applelec.co.uk

Trade suppliers of quality 3D built up metal letters and logos. Lettering starts at just 50mm high in materials such as stainless steel, brass, copper, titanium and aluminium with a variety of different finishes. Built up letters are available with halo and / or face lit illumination from our award winning and cost effective LED range. Please ask for an information pack or contact one of our friendly and experienced sales staff for assistance.

## AVENUE SIGNS LTD

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5BS

Tel: 01634 841300

info@avenuesigns.co.uk

www.avenuesigns.co.uk

Specialists in stainless steel letter fabrication sprayed to your specification. Neon and transformers, etc. also made to suit.

## CENTRE SIGNS (UK) LTD

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Leicester LE2 5LH

Tel: 0116 271 4247

graphics@centresigns.co.uk

www.centresigns.co.uk

Specialist metal fabricators to the sign trade only. Built up letters in Stainless Steel, Aluminium, Gold Titanium Stainless, Brass and Copper. Fabricated Aluminium and Stainless boxes to any shape. Flat cut aluminium and flat cut perspex letters.

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Unit 2 Browells Lane, Feltham, Middlesex,  
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Tel: 020 8751 7250

mailus@fabriccut.co.uk

www.fabriccut.co.uk

Trade suppliers of 3D built up letters and logos. Full LED service available for Halo or Face illumination. Stove enameling available from BS, RAL and Pantone colours. Fast turnaround with competitive prices.

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280a High Street, Berkhamsted, Herts,  
HP41AH

Tel: 01442 386 618

Mob: 07739 364 613

info@fabsign.co.uk

www.fabsign.co.uk

Fabsign are a company who specialise in built up letters and logos and metal fabrications. We are experts in this field so we can offer our customers a non compromising service to manufacture to their requirements and expectations at the lowest prices available. We also supply flat cut letters and logos in any material. So give us a call and let us see what we can do for you.

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Marcon House, Wyther Lane, Leeds, LS5  
3BT

Tel: 0113 2242124

sales@icesigns.co.uk

www.icesigns.co.uk

Manufacturers of Built Up - Flat Cut - Rim and Return Letters and Logos in Stainless Steel, Aluminium, Copper and Brass. We also fit neon tube or LED modules within the Letters for face or halo illumination.

## LOGOTECH DISPLAY SOLUTIONS LTD

Unit 6, Atley Business Pk, North Nelson Ind  
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NE23 1WP

Tel: 01670 737 225

sales@logotech-ltd.co.uk

www.logo-tech.co.uk

In our fully equipped metal department we produce high quality built up letters/logos in aluminium, stainless, brass and copper. Supplied to the trade nationwide, at a very competitive price. We also manufacture boxes, post signs, gantry signs, frames and panels, which can be finished to your specifications. We have our own in-house neon department and can supply you with the complete sign service, ready for you to install.

## 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, Aluminum, 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.

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www.sygnetsigns.com

Nationwide specialist trade suppliers of all/stainless steel 3D built ups. Brushed/Satin/Mill/chemically coloured finishes. 1050 grade ali, 316 or 304 grade s/s. We can also supply a variety of back trays to suit and fit LEDs/Neon etc for face/halo illumination. All works carried out in-house. (we also supply flat cut text/logos).

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Trade Signs is a company committed to innovative technology, service excellence, rigorous quality control and a culture of continuous improvement where our total workforce is passionate about exceeding customer expectations.

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E-Signfittings are one of the largest suppliers of Cable & Rod Display Systems in the UK. We have large stocks available on next day delivery for orders received before 3pm. Other products in our range include Standoffs, Screw Head Covers, Poster Hanging Systems, Sign Hanging Systems, Leaflet Holders and Poster Displays. Visit our web site to check our current stock levels and fantastic prices.

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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, LED Display Panels, poster pockets and many more. We are pleased to be working with the highest quality materials at competitive prices.

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Tel: 01525 874 185

enquiries@sott.co.uk

www.sott.co.uk

Specialists in the manufacture of quality cast signs - mainly cast in polyurethane but also grp, bronze, brass and aluminium. All patterns are made by our in house pattern maker to your specification. A few millimetres up to several metres in size. Cast signs for town entrances, buildings, way finding fingerpost signs, blue plaques, street signs.

## WARD SIGNS

Maze House, Maze Street, Barton Hill, Bristol  
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Tel: 0117 955 3385

info@ward-signs.co.uk

www.ward-signs.co.uk

Plaques, Crests, Lettering. In aluminium and Bronze. From Pattern Making to Finishing in Stove Enamel. 60 Years of Experience.

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### COUNTY ENGRAVERS & SIGNS LTD

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Tel: 0115 985 1171

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Fine detail etching of brass and stainless steel. Engraving of all types of plaques, plates, labels and control panels in a wide range of materials. Laser Engraving and Component Marking. Full colour printing from labels to wide format.

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www.signindustries.com

SIGN INDUSTRIES are specialist TRADE  
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Cast in polyurethane with detail in relief and  
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send details for a quotation.

### WARD SIGNS

Maze House, Maze Street, Barton Hill, Bristol  
BS5 9TE

Tel: 0117 955 3385

info@ward-signs.co.uk

www.ward-signs.co.uk

Wards of Bristol Specialise in manufacture,  
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Tel: 01603 666699

sales@mercuryphillips.co.uk

www.mercuryphillipsigns.co.uk

Manufacturers of plaques in stainless steel,  
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and text from artwork supplied.

## SIGN INDUSTRIES

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Tel: 01241 828 694

info@signindustries.com

www.signindustries.com

Sign Industries is one of the UK's leading sign  
making manufacturers, offering a broad range  
of memorial and commemorative plaques in  
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such as bronze, brass, stainless steel and  
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Cast blue plaques with detail in relief. Usually  
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### WARD SIGNS

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BS5 9TE

Tel: 0117 955 3385

info@ward-signs.co.uk

www.ward-signs.co.uk

Wards of Bristol have produced countless  
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sales@applelec.co.uk

www.applelec.co.uk

Trade suppliers of flat cut out letters, logos  
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information pack or contact one of our friendly  
and experienced sales staff for assistance.  
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Tel: 0113 224 2124

sales@icesigns.co.uk

www.icesigns.co.uk

Manufacturers of flat cut letters in ALL  
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Trade service for flat cut lettering & logos in  
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www.signrite-iom.com

Cut out letters and logos in acrylic, foam pvc  
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We have over 5000 styles to choose from or  
you can send your own artwork. Letters/logos  
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works carried out in-house (we also  
manufacture built ups and much more).

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Full colour digital printed graphics: monomeric, polymeric, cast or vehicle wrap vinyls. Full colour canvases, banners, roller banners, pop-up frames. Full colour signs, name-plates. All of these at very competitive prices and quick turnaround times.

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We offer a Trade Digital Print & Cut service with no minimum order charge. From one colour to full photographic quality images up to 1370mm wide by any length printed and cut on to numerous vinyls and pvc banner materials, poster paper and photographic paper. We can take your artwork from e-mail, disk or CD in various formats.

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Trade service for digital printing and laminating up to 1600mm wide. Printing onto vinyl, banner, canvas, paper, etc.

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Trade service for high quality digital print up to 1600mm wide. Printing on to vinyl, PVC banner, paper, lightbox material and artist canvas, also laminating and contour cutting. Providing high quality service and products since 1978.

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UK Trade Distributor for HP Designjet, HP Latex, HP UV printers, Colortrac scanners, Summa Cutters, and Onyx RIPs. ISO 9001, ISO14001 Certified HP and Canon consumables, Neschen media and our own large format media range called Xativa.

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MACTac are global manufacturers of self-adhesive material for wide-format Digital Printing (Water Based, Solvent, Eco-Solvent, Latex & UV) with Print Profiles to match these materials that are designed for Vehicle Wrapping, Wall, Street, Floor and Window Graphics. Many Laminates available include wood & metal effects. Some products are Class O fire-rated and CBS Outdoors (formerly Viacom) approved.

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We are the only company in Europe stocking clear acrylic Domes & Dishes in 20 sizes. We have over 140 other special sizes available and can make ovals, squares and oblong domes. By covering any shape with vinyl or screen printing you can have your own special sign.

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sales@applelec.co.uk  
www.applelec.co.uk  
Manufacturers of edge lit signs incorporating a variety of extruded profile options along with bespoke engraved acrylic panels. With award winning and cost effective LED modules and a choice of mounting or hanging shop fitting kits, Applelec supplies an unrivalled range of edge lit trade components. Please ask for an information pack or contact our friendly and experienced sales staff for assistance.

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DIAMOND 24V LED light boxes and GARNET light panels can be produced in any size up to 2500 x 1500mm. Diamond light boxes have a 20mm deep frame and 25mm snap frame front. Standard sizes in A4 up to A0 for next day delivery. Custom boxes & GARNET 8mm deep light panels can be made in single colour LED or RGB with controllers, can be dimmable or have built-in phasing. No minimum order quantity.

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www.aessigns.co.uk  
The complete sign service Engraved / Etched & Screen Printed signs Nameplates etc. in all materials. Very competitive prices, excellent delivery, highest quality, full design service, prompt response to all enquires

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www.alanrobertsengravers.co.uk  
Fast Confidential Engraving Service to the trade. We can provide plaques, nameplates, control panels, safety signs, switch plates, commemorative plaques with unveiling unit (on hire basis), bespoke signs and labels etc.

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Tel: 0115 985 1171  
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Engravers of all types of plaques, plates, labels and control panels in a wide range of materials. Fine detail etching in brass and stainless steel. Industrial and Laser Engraving and Component Marking. Full colour printing from labels to wide format.

### DARTFORD ENGRAVING & SCREENPRINTING LTD

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Tel: 01322 340 194  
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DESP has been trading for over 50 years. CNC engraving, Laser engraving, Heavy Duty machine engraving, Chemical etching, Screen Printing, (ALL CARRIED OUT INHOUSE), including artwork. So whether its a 1 off or 1,000 off, we can offer a quick competitive turnaround.

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We manufacture and engrave nameplates, Labels, Tags, Switchplates, Mimics, Brass Plates, Components, Warning labels, Plaques, Logo's and Signs. We also produce printed fire & Safety Signs & Vinyl Graphics.

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Superfast and reliable trade service with 100 years experience for all etching, routing and profiling. Specialists for nameplate and commemorative plaques in bronze, brass, aluminium, stainless and plastics. Logos and crests. High quality graphics - drawings free of charge. Precision industrial engravers of panels, labels and moulds. Keytop specialist. Presentation silverware and glass engraving experts.

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22-23 Rabans Close, Aylesbury, Bucks,  
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Tel: 01296 488902

Mob: 07957 870 756

andy@impactengraving.co.uk

www.impactengraving.co.uk

REAL Trade prices for Engraving and chemical etching, rotary, diamond, laser and acid. Control panels, data plates etc. Stainless steel, Traffolyte, special laminates, brass, aluminium etc. ULTRA FAST DELIVERY!

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www.mercuryphillipssigns.co.uk

Manufacturers of all types of plates or plaques, machine engraved or chemically etched using a variety of materials, brass, stainless steel, aluminium, plastics and wood. For high quality and intricate detail with colour inlays to your choice.

## SIGN INDUSTRIES

Gardyne, Forfar, Angus, Scotland, DD8 2SQ

Tel: 01224 828 694

info@signindustries.com

www.signindustries.com

SIGN INDUSTRIES are specialist TRADE MANUFACTURERS of etched Stainless Steel, Brass, and Bronze. We also Laser Engrave Plastics and Wood as stand alone products as well as moulds for castings. SIGN INDUSTRIES normally work with 3 mm thick material, and can etch bend and weld Stainless Steel up to 3 metres x 1.5 metres, and down to small sequential tags for wiring looms.

## ESTIMATING SOFTWARE

### GOFASO SOFTWARE

129 Devezes Road, Hilperton, Trowbridge,  
Wiltshire, BA14 7SZ

Tel: 01225 718930

sales@gofaso.co.uk

www.gofaso.co.uk

Gofaso Software makes quoting fast and easy! Gofaso has been specialised for Sign companies, providing user-friendly calculation templates, workshop management, invoicing and customer relations upkeep. With module E-CRM you can make use of QR-codes on worksheets. Gofaso includes startling new tips and innovative techniques giving your company the strongest advantage.

## EXHIBITIONS

### EUROPEAN SIGN EXPO / FESPA

8-11 March 2016, Amsterdam RAI

www.europeansignexpo.com

European Sign Expo 2016 and FESPA Digital 2016 are returning to Amsterdam, from 8 - 11 March 2016, celebrating the 10th anniversary of the Digital show. Together both events, which attract visitors from 120 countries, will showcase the latest technology, equipment and consumables across digital and textile wide format print and non-printed signage solutions from over 400 leading brands.

## FINGERPOST SIGNS

### 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 high quality Fingerpost system combines aluminium or steel posts, with double skin finger-arms, making it highly durable, and ideal for public locations. Choose from Chevron, Bull-nosed or Square ended finger arms, available in standard or custom lengths.

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### I-SPI LTD

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Tel: 0141 764 1600

sales@ispitrade.com

www.ispitrade.com

I-SPI Trade supplier of CE approved flame polishers. The simplest way to add a crystal clear, glass like edge to acrylic. Machines to suit every budget all at THE REAL TRADE PRICE. Visit our web site for more info or give Stephen or Sean a call and we can answer any questions you may have.

## FLAT CUT LETTERS

### ACCENT SIGNS LTD

Units 4, Broadcott Ind. Est., Station Rd.,

Cradley Heath B64 6NT

Tel: 0121 561 4600

accsign1@aol.com

www.accent-signs-ltd.co.uk

Accent Signs have been supplying the sign trade with quality flat cut letters in Acrylic, ACM, Foam PVC, MDF and other substrates for over 30 years. Our letters are supplied with Plastic Locators, Brass Locators or VHB tape, complete with fixing templates or fixing stencils if required. Fast turnaround and confidentiality assured.

## APPLELEC

Appleby House, Walker Terrace, Bradford,

West Yorkshire, BD4 7HJ

Tel: +44 (0)1274 774477

sales@applelec.co.uk

www.applelec.co.uk

Trade suppliers of flat cut out letters, logos and intricate laser work. We offer lettering in a variety of materials such as acrylic, foamex, dibond, stainless steel, aluminium and MDF in different finishes and supplied with or without fixings. Please ask for an information pack or contact one of our friendly and experienced sales staff for assistance. (3D built up lettering is also available).

## CENTRE SIGNS (UK) LTD

Alexander House, Liffie Avenue, Oadby,

Leicester LE2 5LH

Tel: 0116 271 4247

graphics@centresigns.co.uk

www.centresigns.co.uk

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

Unit 2 Browells Lane, Feltham, Middlesex,

TW13 7EQ

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

Unit 6, Tom Johnston Road, West Pitkerro

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).

## FLEXIBLE FACE SIGNS

### 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. 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.

## 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 range of cases are available to accept flexible substrates, covering most applications. Tensioning mechanism is fast and simple to operate, and can be accessed via hinged cover plates fitted around perimeter of case. Large hinged cases can be fitted with gas struts or mechanical arms to assist opening.

## MIDA SIGN SERVICES

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OL6 7QZ

Tel: 0161 8 300 600

info@midasignservices.co.uk

www.bannersandgraphics.co.uk

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

## GENERAL SIGN SUPPLIERS

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157 English Street, Hull, HU3 2BT  
Tel: 01482 380900  
sales@browningstld.co.uk  
www.browningstld.co.uk  
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

The Signbuild Centre, Kelso House, St Philips, Bristol, BS2 0PH  
Tel: 0117 9411 411  
enquiry@kingsplastics.co.uk  
www.kingsplastics.co.uk  
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. A complete service to the trade. For further information, check out our website & online shop.

## GOLD LEAF SUPPLIERS

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5 Saxon Way, Chelmsley Wood, Birmingham B37 5AY  
Tel: 0121 770 0103  
gold@habberleymeadows.co.uk  
www.habberleymeadows.co.uk  
We stock a full range of gold leaf and silver leaf gilding supplies, gold gilding products and gilding materials. Our staff are expert gold beaters who produce very high quality gold leaf.

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Gold leaf 12 to 24ct from stock same day despatch for approved accounts. We doubt whether our prices can be bettered for comparable quality.

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"The largest independent sign installation and maintenance company in the UK." Specialists in all sign work, large or small, neon, LED, all Flexface systems, illuminated, non illuminated and vinyl. Corporate change over specialists.

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paul@blueprintsigns.co.uk  
www.blueprintsigns.co.uk  
Blueprint Signs & Garments offers a professional signage production and installation service throughout the Channel Islands, fully qualified crews based in Jersey completely cover all of the Channel Islands inclusive of Guernsey, Sark, Herm and Alderney.

### GILMORE SIGNAGE LTD

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The complete package. We offer an exemplary installation service for all types of signage, from street level to extreme high level, specialising in abseiling. We have full Public and Company Liability Insurance. For each installation we provide a full project management service, from site survey to sign off and provide a full Risk and Method Statement prior to any works being undertaken.

## INDUSTRIAL ABSEILING LTD

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Mob: 07702 950 218  
info@industrialabseiling.com  
www.mediaabseiling.com  
Abseiling company specialising in the installation and maintenance of all types of signage and lighting, we operate nationwide and throughout Europe - advice, site visits, fast turnaround.

## MIDA SIGN SERVICES UK LTD

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Tel: 0161 8 300 600  
info@midasignservices.co.uk  
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Professional installation and maintenance of all types of signage. Including, Site surveys, illuminated signs, Flexface signage, neon etc. Nationwide service operating from Manchester. Established 1984.

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www.prolicht.com  
An experienced professional sign and lighting contractor to undertake Surveys, Project Management, Individual or Programmed Installations, Planned or Reactive Maintenance, Illumination and Accident 'make safe' and repairs, throughout the U.K. All crews are fully trained to current Health and Safety standards including Pasma, IPAF and UKPIA Safety Passports.

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trade@sign-install.co.uk  
www.sign-install.co.uk  
We'll take all the hassel, you make all the profit. Offering the complete package, from installation of signs and graphics down to waste signage removal. Fully Health and Safety Compliant expert signage installation teams, at affordable realistic prices. Covering the South East, London and the Midlands.

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www.sign-installations.co.uk  
Let us be your professional sign installation team, in London, Sussex, Hampshire, Surrey and Kent. With 25 years of sign installation experience, our neatly presented fitting crews will work for you to increase your profits. Customer service and client confidentiality are paramount, so you can be sure your hard earned reputation is in safe hands.

## SIGNS & GRAPHICS

### INSTALLATIONS

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steve@signsandgraphicsinstallations.co.uk  
www.signsandgraphicsinstallations.co.uk  
Signs & Graphics Installations offer a one-stop installation and maintenance service, providing a whole package: surveying, project managing, installation and maintenance. Once we receive your order our professional sign fitting crew will be able to install, maintain and finish your signage to the highest standard.

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thistle.signs@btopenworld.com  
www.thistlesigns.com  
Professional installation and maintenance service throughout Scotland. We specialise in all types of sign work, excavation service for sign foundations, neon, flexface systems, vinyl. Surveys undertaken. All our crews are fully trained and hold IPAF, PASMA and CSCS certification.

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sales@vivid-online.com  
www.vivid-online.com  
Designers and Manufacturers of laminating systems. Vivid supply a wide range of laminating products including the well established Easymount range of wide format laminators which are available in cold and hot models. Roll fed, pouch laminators, laminating pouches and a wide range of laminating films.

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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.

## 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 Laser flat cut & built up lettering & logos in Acrylic, Aluminium & Stainless steel. 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. Work with us.... work with experience

## SYGNET SIGNS LTD

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Tel: 0116 262 6288

sales@sygnetsigns.com

www.sygnetsigns.com

Specialist laser cutting service. We stock a variety of materials in various thicknesses. You may also free issue materials. Laser capabilities are - stainless steel up to 4mm, mild steel up to 12mm. We can also cut very small acrylic detail with d/s tape already applied. All works carried out in-house.

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sales@hpclaser.co.uk

www.hpclaser.co.uk

Specialist suppliers of LASERSCRIPT CO2 laser engravers and cutters. Our lasers are capable of cutting, engraving and marking a wide range of materials including laminate, metal, glass, acrylic, textiles, wood, paper, card and leather. Also available is an A4 Laser with professional Laser software for those struggling for space. Optional 1 to 3 year warranty available. Over 1100 machines supplied!

## LED ILLUMINATED LETTERS

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Cradley Heath B64 6NT

Tel: 0121 561 4600

accsign1@aol.com

www.accentssigns.co.uk

Accent signs "SLIMLITE" flat cut letters & logos made from 6mm opal acrylic with imbedded super bright white LEDs to create a unique edge and halo illumination. Available with ACM, Acrylic or vinyl faces. Suitable for internal & external use. Supplied with standard locator fixings for ease of fitting.

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Tel: 0141 422 2010

sales@citi-led.co.uk

www.citi-led.co.uk

We are a trade only supplier of LED Modules for all types of channel letters, light boxes and solid acrylic "Neon" effect type letters. We have some very unique specialist LEDs, visit our website for product information and installation tutorials. We offer premium grade reliable products at highly competitive prices. Our unrivalled pre-sales guidance and after sales support will ensure your projects are executed with maximum effect.

## APPLELEC

Appleby House, Walker Terrace, Bradford, West Yorkshire BD4 7HJ

Tel: +44 (0)1274 774477

sales@applelec.co.uk

www.applelec.co.uk

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.

## ARTILLUS - WAYS 2 DISPLAY LTD

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sales@artillus.com

www.artillus.com

DIAMOND 24V LED light boxes and GARNET light panels can be produced in any size up to 2500 x 1500mm. Diamond light boxes have a 20mm deep frame and 25mm snap frame front. Standard sizes in A4 up to A0 for next day delivery. Custom boxes & GARNET 8mm deep light panels can be made in single colour LED or RGB with controllers, can be dimmable or have built-in phasing. No minimum order quantity.

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Tel: 0161 27 27 778

sales@focusedltd.co.uk

www.focusedltd.co.uk

Specialise in LED Lighting for Signs & Shop fitting, Kitchens, Restaurants, Commercial & Domestic Lighting. Quality & Professional Lighting to get your job done by giving you our best advice, there is no job too small. You only pay for quality products at Focus LED. Check out our gallery to see how we helped others to achieve their projects.

## HALOLEDS

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Eastleigh SO53 4DG

Tel: 02380 253 290

info@haloleds.co.uk

www.haloleds.co.uk

Great Trade Prices. Suppliers of LED modules, RGB systems, backlighting LEDs, transformers and all accessories 2 year LED warranty, all ex stock for next day delivery.

## KINGS PLASTICS LTD

The Signbuild Centre, Kelso House, St Philips, Bristol, BS2 0PH

Tel: 0117 9411 411

enquiry@kingsplastics.co.uk

www.kingsplastics.co.uk

White & coloured LED modules in 4 sizes and LED ribbon - bright or super bright. 12v power converters, RGB controllers, together with a range of connectors. For full details on our range, prices and for images, check out our website & online shop. Competitive prices guaranteed!

## LED SOLUTIONS

129 Humberstone Road, Leicester LE5 3AP

Tel: 0116 262 5933

sales@ledsolutions.co.uk

www.ledsolutions.co.uk

LED Solutions supply quality, energy efficient LED products to the sign trade. We are UK distributors for DAEHAN LED who specialise in sign illumination and offer 5-year warranties with our sign LED module range. We supply RGB modules, LED Light panels, Flexible strips, Neonflex, and IP Rated Power supplies, so please contact us for any assistance.

## OSHINO LED LIGHTING

1 Churchfield Court, Robey Close, Linby,

Nottingham NG15 8AA

Tel: 0115 964 1305

Mob: 07766 777878

sales@oshino.co.uk

www.oshino-lamps.co.uk

New H-LED 333 is a chain LED lighting system for built-up channel letters, flat-cut letters and other sign lighting applications. Manufactured using a state-of-the-art automated assembly process, H-LED 333 promises to bring a new level of economy to the discerning sign maker along with a fully featured specification you would expect from Oshino.

## SIGNTRADE LETTERS LTD

225 Long Lane, London N3 2RL

Tel: 0500 456 700

sales@signtrade.co.uk

www.signtrade.co.uk

Chromasign launched at Sign UK. We offer a complete range of ChromaForm Letters with Halo Lighting not available anywhere else. Ring Susan or Lesley for details and samples.

## WELOVELEDS.CO.UK

Tel: 01132 524 706

www.WeLoveLEDS.co.uk

The favourite online LED supplier to the sign, display and shopfitting trade. Large stocks carries, experienced sales people, no nonsense ordering. Orders can be made online, over the phone and by email. Use Code: EX10 for 10% trade discounts.

## LIGHT BOXES & LIGHTING

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Appleby House, Walker Terrace, Bradford, West Yorkshire, BD4 7HJ

Tel: 01274 774477

sales@applelec.co.uk

www.applelec.co.uk

Trade suppliers of fabricated and extruded light boxes, custom made to client design requirements. From flat faced and curved styles, to LED illumination and colour changing modules, a definitive range of light box products are available. Applelec's flat light unit LED Light Sheet is regularly used to create ultra slim light boxes with even illumination and a depth of just 25mm.

## BROWNINGSLTD

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 flex-faced signage. We have our own extrusions for the manufacture of acrylic-faced light boxes and can supply as lengths, in kit form or as ready-made up signs. All to your individual, specific requirements in terms of size, colour or shape.

## FAIRFIELD DISPLAYS & LIGHTING LTD

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Tel: 01252 758 934

sales@fairfielddisplays.co.uk

www.fairfielddisplays.co.uk

Specialist suppliers of the latest designs in Light Boxes. LED and Cold Cathode light boxes with silver click frames A4 - A0 as standard. Special coloured frames and sizes on request. Innovative Light Pocket - the floating LED light box only 14 mm thick - customers love the design make sure you are offering it. Showrooms in Fleet & Shrewsbury

## MID WEST DISPLAYS

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Tel: 01743 465531

sales@midwestdisplays.co.uk

www.MidWestDisplays.co.uk

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.

## MAGNETIC MATERIAL

### ANCHOR MAGNETS LTD

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Tel: 0114 244 1171

sales@anchormagnets.com

www.anchormagnets.com

From our 30,000 sq ft manufacturing facility in Sheffield, UK, we despatch and store considerable stocks of magnetic products and continue to grow through our in-house design and manufacturing teams. Our expertise includes extruding, engineering, laminating, conversion, fabrication and injection moulding of magnetic products.

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Tel: 01283 531000

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The UK's widest range of digitally printable wide format magnetic and ferro sheet (both over 1200mm wide). Maxmag vehicle grade magnetic materials available in white, plain or adhesive backed - by roll or cut to your specific requirements. Also available neo magnets, vehicle roof magnets, sign grippers and a full range of high tape to suit every budget and application.

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Tel: 01903 750333

sales@simplexltd.com

www.simplexltd.com

Simplex are a trade only supplier of metal fabrications and sign systems. With an in house CNC router, 3 metre guillotine, brakepress and rollers, full welding equipment and much much more we are able to turn your ideas into reality!! From basic trays, to fret cut and illuminated fascias, oval lightboxes, built up metal letters, right up to 7 metre monolith signs we've pretty much made it all!

## MODULAR PANEL SIGN SYSTEMS

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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 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.

### 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.

## MOULDED & FABRICATED PLASTICS

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Tel: 01603 666699

sales@mercuryphillips.co.uk

www.mercuryphillipsigns.co.uk

Suppliers of moulded acrylic pans and logos up to 2800mm x 1500mm and other types of press and vacuum forming in PVC and HIPS. Specialists in fabricated plastics for POS displays with full screen print, graphics and CNC routing capabilities.

### PROJECT PLASTICS LTD

7 Grange Way Business Park, Whitehill Industrial Estate, Colchester CO2 8HF

Tel: 01206 868696

project.plastics@btinternet.com

www.projectplastics.co.uk

Manufacturers of acrylic domes and shapes, tubes, point of sale displays and showcases. Bespoke plastic fabrication. CNC routing, diamond edge polishing, 3m x 2m moulding oven for oven forming, vacuum forming and screen printing. Plastic cut to size service.

## MOULDED LETTERS

### ACCENT SIGNS LTD

Units 4, Broadcott Ind. Est., Station Rd., Cradley Heath B64 6NT

Tel: 0121 561 4600

accsign1@aol.com

www.accent-signs.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.

### MERCURY & PHILLIPS SIGNS

51/59 Waterworks Rd. Norwich NR2 4DA

Tel: 01603 666699

sales@mercuryphillips.co.uk

www.mercuryphillipsigns.co.uk

Moulded letters and logos in all standard Perspex colours and UV stabilised gold and silver acrylics, in 8 standard sizes, bespoke sizes available on application. Press, vacuum and blow moulded pans, in acrylic and petg also available.

### SIGNTRADE LETTERS LTD

225 Long Lane, Finchley London N3 2RL

Tel: 020 8346 8515

sales@signtrade.co.uk

www.signtrade.co.uk

Moulded letters are our speciality with stock of 20 fonts 8 letter heights in coloured Perspex and 1000's of flat cut letters as well. Your own font or logo is made by our own toolmakers. With over 60 years of experience to call on.

### WARD SIGNS

Maze House, Maze Street, Barton Hill, Bristol BS5 9TE

Tel: 0117 955 3385

info@ward-signs.co.uk

www.ward-signs.co.uk

Having patented the original method of making cast resin letters, Wards of Bristol can manufacture and supply resin lettering to the highest standard. Our stock patterns for resin letters are a cost effective method of achieving the same styles as traditional bronze and aluminium (which we also cast in house) but we can also make custom designed patterns for letters and logos for all your needs.

## NAMEPLATES

### MOCKRIDGE LABELS & NAMEPLATES LTD

Cavendish Street, Ashton-under-Lyne, Lancs OL6 7QL

Tel: 0161 308 2331

sales@mockridge.com

www.mockridge.com

Specialists in chemically etched nameplates. Brass, Stainless Steel and Anodised Aluminium. Any size up to 2400 x 1200mm (8ft x 4ft). One-offs up to 5000+. Trade work is totally confidential.

## NEON MANUFACTURERS

### A1DESIGNS

4 Sandy Lane North, Wallington, Surrey SM6 8JX

Tel: 020 8646 9886

enquiry@a1designs.co.uk

www.a1designs.co.uk

Neon & Cold Cathode Manufacturers to the Trade. Fast turnaround & Delivery. Quick repair service. Installation, Fault diagnosis, Repairs & Maintenance. Confidential Service. All neon accessories, Transformers, Cable, Tube supports etc.

### AVENUE SIGNS LTD

216-222 Luton Road, Chatham, Kent ME4 5BS

Tel: 01634 841300

info@avenuesigns.co.uk

www.avenuesigns.co.uk

Full computerised design service neon and cold cathode lighting. Fully qualified installation engineers, fault diagnosis, fast repair service. Complete sign service from vinyl through to acrylic to polished stainless steel to transformer and neon accessory supplies.

## LOGOTECH DISPLAY SOLUTIONS LTD

Unit 6, Atley Business Pk, North Nelson Ind Est, Cramlington, Newcastle Upon Tyne NE23 1WP

Tel: 01670 737 225

sales@logotech-ltd.co.uk

www.logo-tech.co.uk

Specialists in neon manufacture to the trade, all types of neon work undertaken. Quick repair service. Very competitive prices. Over 25 years experience in the sign trade.

## NEON PLUS®

### 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

Ultra Slimline illuminated letters and shapes suitable for interior and exterior applications. Extremely bright with various colour options. Very strong and robust, easy to fit and will outlast other comparable alternatives.

## NEON REPLACEMENT LETTERS

### ACCENT SIGNS LTD

Units 4, Broadcott Ind. Est., Station Rd., Cradley Heath B64 6NT

Tel: 0121 561 4600

accsign1@aol.com

www.accent-signs.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.

## NOTICE BOARDS - LOCKABLE/EXTERIOR

### 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 and notice boards. We have the widest range of exterior notice boards of all UK manufacturers, and specialise in tailoring our boards to suit each location. This is achieved through a wide range of options, including; wall, rail, post and stand mountings, mains/solar illumination and custom graphics.

### 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 Noticeboards and 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.

## NUMBER PLATES

### TENNANTS UK LTD

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

Tel: 0115 973 8080

sales@tennantsuk.com

www.tennantsuk.com

Distributors of quality number plate components and suppliers of the UK's best selling number plate printing package the 'Print Pro' system - Full colour number plate printing being used around the world. Our optimised number plate printer will also print Health & Safety Signs, Business Cards, Banners & more. For prices and a free no-obligation demonstration, please call or visit our website.

## 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 distributors of Polycasa cast & extruded sheet & Policril cast acrylic. Available in a wide range of clear, opals & colours. Also stocked: Marlon solid Polycarbonate, PETG, Foamalux, Komadur, Hygienic Cladding Rigid PVC, Aluminium Composite Sheet, aluminium sheet, Sign Post System, Stainless steel sheets, aluminium extrusions, fasteners, copper, brass & bronze.

### 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

plastics.tkruk@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 requirements. Products include Oroglas Cast Acrylic, Marlon Polycarbonates, Marcryl Extruded Acrylic, Forex Foam PVC, Dibond and Etalbond Aluminium Composite, Bayer Petg and Quinn Products.

## 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

### 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. 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 a 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

### BROWNING'S 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 item 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 RH1 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

Calf 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.mercuryphillipsigns.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

### 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, Foamalux, 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.

### 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 distributors of Polycasa cast & extruded sheet & Policril cast acrylic. Available in a wide range of clear, opals & colours. Also stocked: Marlon solid Polycarbonate, PETG, Foamalux, Komadur, Hygienic Cladding Rigid PVC, Aluminium Composite Sheet, aluminium sheet, Sign Post System, Stainless steel sheets, aluminium extrusions, fasteners, copper, brass & bronze.

## 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 Scratch, 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 MAINTENANCE

### THISTLE SIGN SERVICES (SCOTLAND)

19F Winchester Ave Ind Est, Denny, Stirlingshire, FK6 6QE

Tel: 01324 820230

Professional installation and maintenance service throughout Scotland. We specialise in all types of sign work, excavation service for sign foundations, neon, flexface systems, vinyl. Surveys undertaken. All our crews are fully trained and hold IPAF and CSCS certification.

## SIGN MAKING SOFTWARE

### DELCCAM 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

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## SIGN SURVEYOR

### PB WILLIAMS SIGN SURVEYOR

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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

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Tel: 0113 25 24 706

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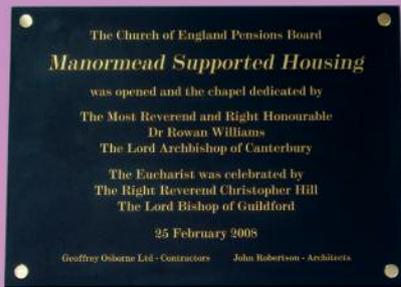
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