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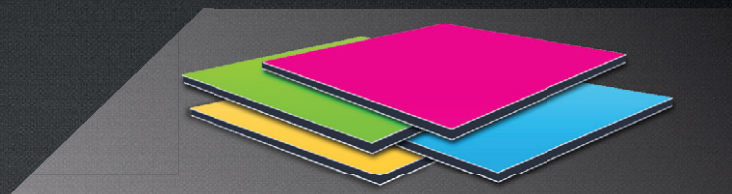
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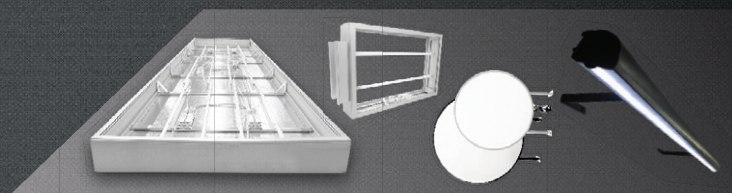
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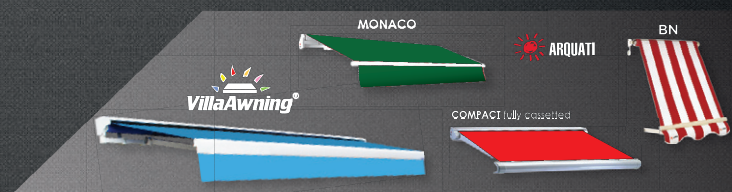
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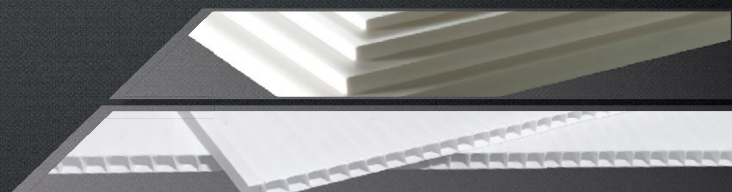
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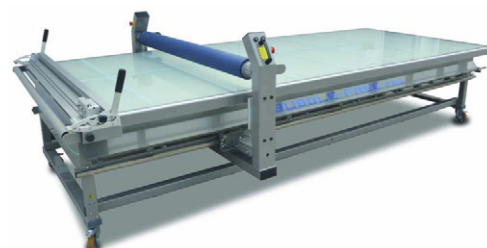
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Impact of 5G

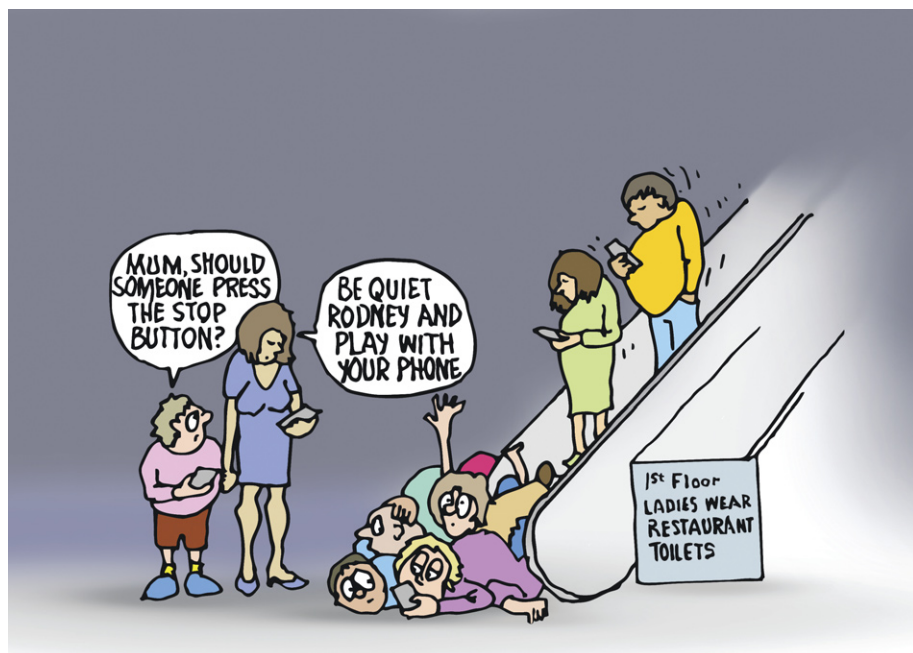
We've heard a lot about the 'coming of 5G' recently, which is expected to start rolling out in the UK this year - and its impact on the sign and graphics sector is likely to be far-reaching. Its much greater speed promises to allow a whole new level of interconnectivity as brands will have the ability to communicate their messages directly to consumers in real time. We will bring you the latest developments as they happen during the year.

In this issue we explore the direct to rigid substrate market and how changing technology and sustainability are presenting new opportunities for large format digital printers. In addition, we find out how wayfinding signage is benefiting from improved materials, techniques and sleeker designs.

In the next issue we continue with the large format theme, this time focusing on textiles; along with the latest advances in sheet materials and their applications; plus a preview of Sign & Digital UK 2020. Extra copies of the April-May issue will be available at the show from the Sign Update stand and several locations throughout the venue; if you are exhibiting, make sure to send us information about what you are presenting, in good time to be included in our listings.

Sue Deane

Editor



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Eco alternative to timber and corrugated centred board

Recycled paper honeycomb manufacturer Dufaylite has launched a 3D version of its Ultra Board range onto the market.

With a whiter facing, is stronger than the original 3D and graphic products and boasts the same eco credentials so it remains a suitable alternative to timber and corrugated centred boards for the signage, POS and printing industry.

Manufactured in the UK, Ultra Board 3D is available in 10mm and 16mm thickness. Better for the environment, the product uses significantly less paper due to the hexagonal honeycomb core and the 16mm is almost 28% lighter than its corrugated centred competitors, while boasting similar strength and capabilities, says the company.

The product folds more easily thanks to a smaller and denser cell of honeycomb and an upgraded manufacturing process enables the product to V cut allowing for stronger 3D designs to be achieved to meet any requirement.

Ultra Board 3D is available on a next day service on standard sheet sizes and can be made to any length specification. This reduces waste and the amount of material produced, benefiting both the environment and the customers' bottom line.



Ultra Board 3D folds more easily thanks to a smaller and denser cell of honeycomb and can be V cut, allowing for stronger 3D designs to be achieved to meet any requirement.

Managing director Ashley Moscrop comments: "This new 3D board is set to be a real game changer and provides a great new alternative to the market, making life even easier for printers. We are continuously innovating and improving how we work and this is a great upgrade

and addition to our product range. We have a lot planned for 2020 and this is just the start. We are working on even more developments that we look forward to sharing later in the year."

www.dufaylite.com

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Textile profile solution replaces need to stitch keder onto prints

After a lot of research and vigorous testing, Brownings has introduced TexGrip, the latest addition to its textile profiles and made of rubber.

Soft Signage is growing at a rapid rate as commercial businesses look to it as the 'go to solution' in retail environments, however the textile skins need to be stitched perfectly to fit the frames.

Otherwise, the result is a skin that doesn't stretch enough to cover the frame or one that is oversized and sags. TexGrip offers a universal solution to this common problem as it replaces the need to stitch the keder onto the prints.

A rubber profile which slides into the recessed channel on the frame, TexGrip fits perfectly into the company's TexSign profiles and many other textile systems,

although testing or seeking advice before first application is recommended.

Once the TexGrip is in the frame, the skin is pushed in and over the profile which will then grip and hold the skin. The skin can be pushed in using a pizza slicer and any excess skin simply trimmed back.

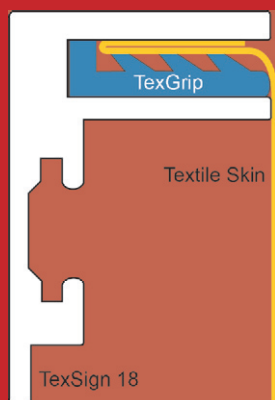
On larger frames Brownings recommends stitching keder to the top and to the left or right-hand side. This will then help fitters get the skin on the frame straight. The skin can then be pulled tight and the TexGrip will ensure a perfectly tensioned skin.

"Carrying TexGrip in your fitter's van is your get out of jail free card," says Brownings. "If the skin doesn't fit TexGrip might just save the day."

www.browningsltd.co.uk



Once the TexGrip is in the frame, the skin is pushed in and over the profile which will then grip and hold the skin.



TexGrip offers a universal solution to the common problem of ill fitting textile skins into frames.



TexGrip is a rubber profile which slides into the recessed channel on textile frames and replaces the need to stitch the keder onto the prints.

TexGrip fits perfectly into all our TexSign profiles and many other textile systems.

TexGrip can be used on all four sides, or as little as one side. When used in conjunction with the traditional keder it can aid installation. For larger signs we recommend stitching keder to both the top, and then either the left or right hand side. This will help hold the image, as well as ensuring it's straight. The skin can then be pulled tight and pushed into the other two sides to create a perfectly tensioned skin.

Dye sublimation ink offers superior colour gamut and light fastness

SubliNova G7 is said to offer outstanding printability through its superior colour gamut and light fastness and improved ink flow, which delivers “even better stability for high speed production environments”.

Using stringent quality controls, the ink is “completely compatible” with leading large format printing brands including Epson, Mutoh, Mimaki and Roland, and offers an ability to be used with the Mimaki MBIS. The key benefit of this ink is its ability to deliver a superior quality along with a consistent density “at a fraction of the cost of branded inks.”

This, combined with its great ink flow means it lends itself to long term service and is suitable for use with various transfer papers. Currently available in 1 litre bottles, the inks are environmentally friendly; free from formaldehyde, VOCs and alkylphenol and fully comply with RoHS.

Peter Davidson, head of IP consumables sales says: “The increased density delivers outstanding vibrant colour which, together with the ink flow performance, matches the latest high speed production requirements.”



The inks are environmentally friendly; free from formaldehyde, VOCs and alkylphenol and comply fully with RoHS.

www.inktec-europe.com

Curing adhesive allows inline inspection

Techsil has introduced an orange fluorescing UV curing adhesive designed for bonding plastics. Manufactured by Panacol, Vitralit 7311 FO is certified

according to USP Class VI standards. Vitralit 7311 FO is a transparent acrylic adhesive that cures under UV or visible light. It offers very high bond strength to

plastics including PC, PVC, PMMA or ABS and glass and stainless steel.

With low viscosity and capillary flow characteristics, Vitralit 7311 FO can bond large surfaces and applications with narrow gaps. Under low intensity black light (365 nm wavelength), it fluoresces orange which allows inline inspection for quality control.

The bright orange contrasts with plastics possessing a natural blue fluorescence or colour. Vitralit 7311 FO is said to cure within seconds which works well in high volume production. For optimal curing the Bluepoint LED eco, manufactured by Hoenle is recommended. Once cured, Vitralit 7311 FO is humidity and alcohol resistant and has been tested and certified according to USP Class VI standards.

www.techsil.co.uk



Vitralit 7311 FO fluoresces orange which allows in-line inspection for quality control.



Vehicle wrap film now in 10 gloss and metallic custom colours

A new range of custom colours from Avery Dennison's Supreme Wrapping Film range has been developed for Spandex.

The Supreme Wrapping Film/Spandex GP Edition comprises 10 metallic colours with names "inspired by the glamour and energy of motor racing". The Gloss Metallic collection features Racing Green, Monza Racing Red, Indigo 500, São Paulo Sunburst and Montreal Magenta. The Matt Metallic selection includes Titanium, Sochi Steel Grey, Daytona Blue, Gasoline Green and Singapore Sunset.

General manager Leon Watson says: "The colour change wrap business thrives on access to a wide choice of colours, effects and textures and we're confident that wrappers everywhere will be quick off the mark to offer their customers these exclusive films. With the launch of the Supreme Wrapping Film/Spandex GP Edition, we're giving our wrap customers access to 10 colours that are only available from Spandex, with the aspiration to stay ahead of trends. Professional wrappers who have had previews can't wait to get their hands on them."



These custom coloured films allow users to instantly and cost-effectively alter the colour of a vehicle, removing the need for expensive resprays.

The result of close collaboration between Spandex and Avery Dennison, these custom coloured films allow users to instantly and cost-effectively alter the colour of a vehicle, removing the need for expensive resprays.

The films come with Avery Dennison Easy Apply RS technology which enables "application time savings of up to 25%,"

easy repositionability and slideability of the film". The Supreme Wrapping Film/Spandex GP Edition will be sold in full rolls of 22.86 metres (25 yards) at a 152.4cm width, allowing enough extra film for potential repairs. A colour swatch is available and the new products will be viewable on the Spandex ColorBox app.

www.spandex.co.uk

RIP software simplifies pre-production workflow

Mutoh Europe has released a dedicated RIP software solution for its UV LED direct to object flatbed production printers. Developed by CADlink Technology Corporation, Digital Factory UV Mutoh Edition has been specifically tailored to the Mutoh ValueJet 426UF A3+ size and ValueJet 626UF A2-size 6 colour (C, M, Y, K, clear and white) UV LED flatbed printer models. Digital Factory UV Mutoh Edition integrates a dedicated feature set smartly addressing the production workflow requirements inherent to UV digital direct to object print technology.

In addition, the RIP software offers a dramatically simplified pre-production workflow to allow graphic designers and printer operators to efficiently and correctly work with white and clear inks.

"We are very pleased to partner with CADlink for our desktop UV flatbed production printers," says Kenji Yasuhara, Mutoh Europe's managing director.



DigitalFactory | uv
MUTOH Edition

This software addresses the production workflow requirements inherent to UV digital direct to object print technology.

"Digital direct to object printing offers many new business opportunities but has very specific workflow requirements. Especially when commonly using white and clear

inks, new complexities arise for graphics designers and printer users. Digital Factory UV Mutoh Edition addresses these complexities in a smart and straightforward way. The result is a dramatic simplification and shortening of both the design and the production workflow, allowing Mutoh UV flatbed printer users to shorten their ROI and increase their production."

"CADlink is very pleased to provide an industry leading UV software solution that helps users maximise the latest printing technology found in Mutoh 426UF and 626UF printers," says Michael Chramtchenko, CADlink director of marketing and brand sales."

The Digital Factory UV Mutoh Edition RIP software will be available exclusively from EMEA Mutoh Certified Distributors.

www.mutoh.eu

Easy to reposition polymeric PVC films now available in gloss finish

Drytac is offering a gloss finish on ReTac Smooth 75 and ReTac Smooth 150, giving users a high shine alternative to the established Matte product.

ReTac Smooth 150 Gloss (150µ/6 mil thick) and ReTac Smooth 75 Gloss (75µ/3 mil) are printable phthalate-free polymeric PVC films that are coated on one side with ReTac ultra-removable adhesive. Its composition allows "exceptionally easy" installation and repositioning on smooth flat surfaces with clean, residue-free removal after use. This makes ReTac Smooth "ideal for interior wall graphic applications" such as murals and interior décor, decals and stickers and point-of-sale displays. It is recommended for curved, textured or angled surfaces where conformability is a priority, with the gloss finish giving an extra eye-catching dimension to these graphics.

"ReTac Smooth is a great product for a range of both interior and exterior display graphics applications, thanks to its dimensional stability, fire safety certification and ease of installation," comments global product manager Shaun Holdom. "The addition of a gloss finish to



ReTac Smooth is recommended for curved, textured or angled surfaces where conformability is a priority.

the range gives our customers even more choice when creating incredible wall graphics, murals and decals." Both ReTac Smooth 150 and ReTac Smooth 75 are certified for HP Latex inks and compatible with UV, solvent and eco-

solvent printing technologies. They are available in roll widths of up to 1,370mm (54") and offer interior and exterior durability of up to five years.

www.drytac.com

Inkjet printheads enhance image quality

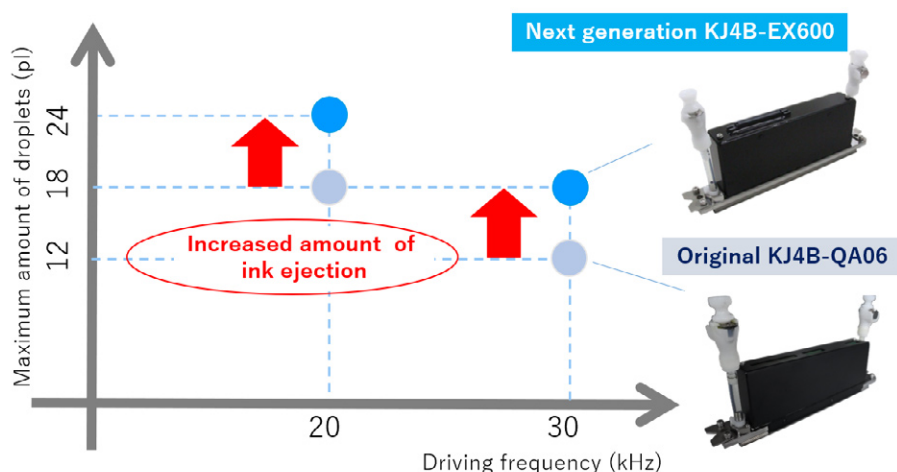
Kyocera has unveiled its next generation of inkjet printheads for commercial digital printing equipment. Designed to deliver

high speed, high quality printing on paper, cardboard, plastic, fabric and other materials, Kyocera will introduce a 600 dpi

model in April, with others to follow. Requiring no plates, digital technology has created a market for short-run printing through its advantages in speed, customisation and cost. Additionally, digital printing reduces environmental impact by eliminating certain consumable materials and plate-cleaning chemicals. As a result, the market now demands printheads that can deliver unprecedented speed, image quality and durability.

The KJ4 EX series offers a large, integrated piezo actuator and streamlined structure. By increasing the volume of each drop of ink ejected from the printheads and enhancing droplet-ejection consistency, it allows high resolution printing on a wider variety of media. At the same time, the printhead's durability is enhanced by improving its structural strength and rigidity.

www.kyocera.co.uk



Increasing the volume of each drop of ink ejected from the printheads and enhancing droplet-ejection consistency, allows high resolution printing on a wider variety of media.

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Letter finishes catalogue simplifies ordering process

Applelec has launched Applelec SignPik that simplifies the decision-making and ordering process.

This comprehensive product range offers both classic and innovative letter finishes, promoted in a user-friendly catalogue, making it simple to 'pik' the finish, style and size required to suit the project and budget. The catalogue contains manufacturer-recommended retail prices,

providing the signage industry with a tool they can use when speaking to their clients. This is coupled with a discounted industry price list, enabling signage experts to make strong margins.

Applelec SignPik combines over 20 years of industry expertise to form this extensive range, which delivers an array of striking and unique products that are fully supported with the Applelec Quality Guarantee and a 1-year UK Warranty.

Managing director Ian Drinkwater says: "Applelec SignPik has been designed to complement signage companies with an extraordinary range of finishes and manufacturing techniques that enable creativity. We are excited to add this range to our extensive signage offering, while retaining the Applelec promise; to never sell directly to end users."

The Applelec SignPik website (www.applelec.co.uk/signpik) went live on 10 February in time for the Surface Design Show on 11-13 February at the Business Design Centre, London, where Applelec exhibited.

On the SignPik website signage companies can now register and authorised companies place orders. The website features many benefits including a company search function where end users will be able to simply search for authorised signage companies.



SignPik delivers a range of products supported with a 1-year UK warranty

Once logged in to the site, signage companies will find further benefits including the use of an easy-to-use signage configurator, which can be used with clients to assist the decision-making process. They will also have access to their pricing and will enjoy a customer focused order submission process.

www.applelec.co.uk



This comprehensive range offers both classic and innovative letter finishes

Low read through adhesive works with simple fix and snap fix plastic locators

Indasol has introduced INDASOL 930LX, a two-part structural adhesive that not only works with Simple Fix and Snap Fix plastic locators (as does INDASOL 900) but also has the low exothermic properties of INDASOL 910LX.

INDASOL 930LX is a slower setting product to INDASOL 900 but has the same high strength properties and offers excellent long term adhesion to substrates including ACM, BCP, Di-BOND and acrylics. Offered in both 50ml and 400ml, it is a 1:1 product so will work in existing two-part hand guns, which means there is no need to change over guns.

Selecting the right adhesive for each application can be a challenge and up until some years ago INDASOL 900 would be the go-to product for all structural applications.

"With the ever changing materials used in signage we have tried to keep up and offer

what is needed which is why we had 910LX introduced some years ago," comments sales manager Nick Taylor. "Some customers have applications where 910LX isn't the right choice and 900 creates read through on ACM so we are pleased to now have 930LX in the range to meet pretty much everyone's needs."

When using any structural adhesive it is important to follow a few golden rules, which is why INDASOL offer an online guide to using these products for optimum performance along with free of charge technical assistance either by phone/email or on site visits. For a free of charge sample or demonstration, contact INDASOL on 0121 556 9900 or enquiry@indasol.co.uk

www.indasol.co.uk/signmakers



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High performance cutting plotters

The CE7000 series of cutting plotters has been announced by Graphtec GB to replace the CE6000 series and provide "radically enhanced performance capabilities at a competitive price point and with new and larger size options".

With a cutting performance that equates to Graphtec's FC8600 series of machines, the CE7000 is available in four sizes (40, 60, 130 - replacing the CE6000-120 and the largest 160cm models).

These machines provide media cutting widths of 484, 712, 1,372 and 1,626mm respectively, with a maximum cutting speed of up to 1,000mm/sec on the 130 and 160 options and a maximum cutting force of 450g.

The CE7000 series feature the latest Version 8 of Graphtec's proprietary ARMS (Advanced Registration Mark Sensing) system for reliable long-length (up to five metres) tracking and optimum cutting

accuracy. Key design features include a digital servo drive system and graphic backlit LCD control panel, together with a range of standard and optional accessories (including super-steel 0.9mm cutting blades and fibre-tip pens) and a choice of machine operating modes to accommodate different types and thicknesses of material.



The CE7000 is suitable for handling most types of flexible and semi-rigid materials.

The CE7000 is suitable for handling most types of flexible and semi-rigid materials including self-adhesive vinyl, heat transfer, paper and card formats. The machine can be used for a wide range of print and cut applications including those in the signage and graphics, digital printing and finishing, labels and labelling, vehicle marking and decals, packaging and print wear and promotional products sectors

Supported with a "no-quibble" two-year performance warranty, the CE7000 is supplied as standard with Graphtec's own brand design and production software.

This package comprises Graphtec Pro Studio for Windows and Graphtec Studio for MAC applications, together with the optional Cutting Master 4 program that enables integration with other popular software suites including Adobe Illustrator and CorelDRAW.

www.graphtecgb.co.uk

Vinyl cutting software helps you make signs quicker and easier

EasyCut has introduced Easy Cut Studio version 5, a compatibility update to the company's sign-making solution with more enhanced functions, support for more vinyl cutters and 64-bit compatibility. Version 5 has been optimised to be fully compliant with Apple's latest operating system macOS 10.15 Catalina.

Easy Cut Studio is designed and engineered to be the total solution for any sign-making business. It helps you make signs quickly and easily, even if you're not a professional designer, says the company. The software features advanced vector graphics editor, vectorisation tool and all special effects along with full vinyl cutting and color printing features.

Adapted for both Mac and Windows, it can be used in eight languages together with over 600 different cutting plotters.

"EasyCut is excited to add 64-bit support to Easy Cut Studio 5," says CEO Eric Lee. "The program can process significantly larger design files even quicker than before. Both 32-bit and 64-bit worksheets are interchangeable for optimal



Easy Cut Studio helps you make signs quickly and easily, even if you're not a professional designer.

compatibility, provided that the file can be processed in 32-bit. It combines the advanced cutting technology and simplest UI design. We are always trying our best to make it better and better."

Easy Cut Studio Version 5 is the culmination of two years' engineering work

and carefully considered feedback from dozens of cutting plotter manufacturers and hundreds of customers worldwide. It offers a variety of powerful tools and features to create from scratch, edit and enhance vector graphics.

www.easycutstudio.com

The Ecolux Mini

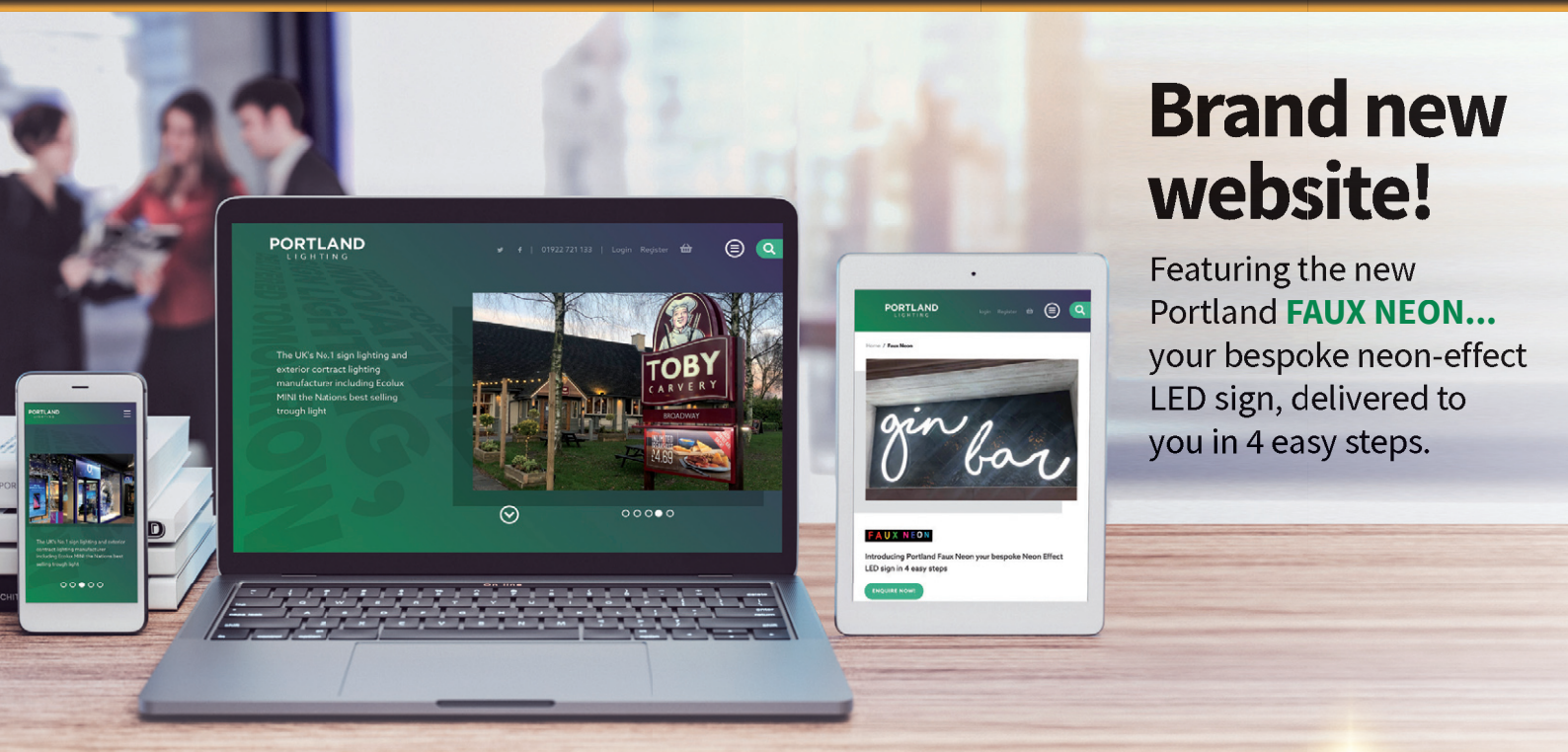
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DYE SUBLIMATION

Live and let dye: grow your business with dye sublimation printing

You've all heard that selling more to existing customers is more cost effective than trying to find new ones. If you're a large format print provider, this hopefully resonates with you. Michelle Johnson, director of worldwide marketing at SAI, suggests one way of adding a new range of products while using concepts, technologies and even software you are possibly already familiar with.

Traditionally the preserve of specialist printers producing textiles, T-shirts and novelty items, dye sublimation printing is a process that uses inks that are vapourised during transfer to the final substrate. The resultant images are colour-rich, vibrant and long lasting. Dye sublimation printing can be done direct to the final substrate or more commonly, via a transfer paper which is then applied to the substrate and transferred by heat using moderate pressure. Today, there is a convergence of factors which, if you're a large format print provider, might make it worthwhile to consider dye sublimation printing as an additional revenue stream.

The first is the digital technology that simplifies the process, giving absolute control over the placement of ink either to transfer papers or direct to fabric substrate. In addition, the proliferation of large format inkjet printing has created competitive conditions that require business owners to explore additional applications or services to help support profitable growth. Furthermore, the demand for photo and other image-based products is driving an expansion of main street and online printers offering dye



sublimation printing. Finally, there are image creation and workflow management and RIP software packages (that you may already be using) that, with an additional optional module, can drive both conventional (solvent, water-based or HP Latex) printers and dye sublimation printers. The easy availability of small (desktop) sublimation printers as well as those up to large format sizes, means that

“Large format printers have an easier route into this exciting and dynamic technology that can be tailored to meet your own skills and market. In other words, it's do and dye”

the process is more widely used in the consumer retail market. Dye sublimation printing may be used on textiles, ceramics, glass, aluminium, brass, stainless steel, plastics and hardboard, which has led to the availability of dozens of different products that can be printed as one-offs and in small or large quantities. Images printed on suitable substrates can be used outdoors.

However, it is the field of textile printing that dye sublimation is possibly best known. When printing on polyester (and blends with a minimum of 60% polyester) the colours and details are bright, crisp and sharp. Woven or knit fabric including twill, poplin, taffeta, chiffon and micro-stretch materials may be printed and because dye sublimation inks bond with the fibres, they will not crack or wash out. They can be washed, rolled, folded and used outside, making them ideal for T-shirts, swimwear and sportswear, as well as banners and flags.

With dedicated, standalone software packages that handle the entire design-to-print dye sublimation workflow, large format printers have an easier route into this exciting and dynamic technology that can be tailored to meet your own skills and market. In other words, it's do and dye.

www.thinkSAI.com



A convergence of factors make it worthwhile for large-format print providers to consider dye sublimation printing as an additional revenue stream.

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CNC router provides entry level solution for design specialist

Installation of a Z7 series CNC router supplied by XYZ Automation Group has helped increase production at East Lothian, Scotland-based Old School Fabrications. Established in 2011, the company specialises in a wide range of graphics-related and sculptural creations used in both interior and exterior locations based on various traditional and contemporary materials.

Described as an “ideal entry level routing/cutting solution for small companies” and in particular those wishing to increase the level of automation without the need for a sizeable capital investment, the Z7 includes features normally found on more expensive CNC machines and thus provides a high cost-to-performance capability.

In addition to the familiar solid steel frame construction to accommodate the most

vigorous routing/cutting requirements likely to be encountered and a solid aluminium vacuum/clamping deck for maximum material hold-down efficiency and routing/cutting accuracy, the Z7 installed at Old School Fabrications includes the latest XYZ A2MC machine controller. This enables smoother and faster machine motion with the elimination of ‘bounce’ and vibration caused by sudden acceleration/deceleration frequently experienced with less technically advanced machine control systems.

Key design features include a processing area of 1524 x 2440mm, a single-head tooling configuration and rack and pinion

drive system on both the X and Y axis. The machine will handle a wide range of materials including plastics, solid and composite woods, foamed boards and non-ferrous metals. Applications include signage, point-of-sale display units and exhibition stands featuring 2D and 3D designs.

Director Neville Rae comments: “We were immediately impressed by how simple and well made the Z7 router was and how it fitted perfectly with our increased production objectives and bespoke manufacturing requirements. The XYZ team of specialist engineers were extremely helpful throughout the entire assessment, procurement and installation process and I would not hesitate in recommending the company to other potential router users.”

www.axyz.co.uk

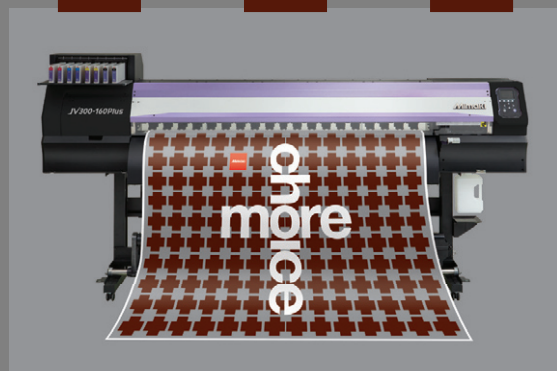


The machine will handle a wide range of materials including plastics, solid and composite woods, foamed boards and non-ferrous metals



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UV printer and latest inks provide colour vibrancy on backlits

Large format print specialist SL Graphics has won an award for an innovative project that combined HP Scitex UV-curable ink technology with HP Latex inks, using a recently installed HP Latex 1500.

Around eight years ago the company installed an HP Scitex FB500 UV printer, shortly followed by an HP Scitex FB700.

SL Graphics has always relied on HP printing technology, installed by HP supplier Diatec, to win valuable clients including nearby Dublin Airport for whom SL Graphics produces a range of advertising and retail work including backlit posters.

At the start of 2019 Diatec recommended SL Graphics replace a solvent printer with a new HP Latex 1500 3.2m-wide printer, an investment that paid off in the form of a win at the Irish Print Awards 2019.

The judges recognised the ingenuity of SL Graphics in an office refit project for blue chip client Deloitte which combined HP Latex and Scitex UV inks on transparent vinyl and awarded the company Bespoke Large Format Digital Printer of the Year.

"Many of our competitors were large companies so it was nice for a smaller outfit to be recognised in the IPAs," says director Dave Savage.

SL Graphics chose the HP Latex 1500 printer following extensive research into systems that could deliver the same colour vibrancy as its older solvent printer.

"I had been looking for something of the quality of our old solvent printer that could

give the same colour balance and vibrancy on backlits," says Dave. "I hadn't seen anything to match it until I saw the HP Latex; when I saw the results on backlit PVC skin and textiles I decided to buy it.

"It's a step up for us. The HP Latex 1500 prints in high quality, in punchy colours, at high speeds, with a quick drying time. We benefit from the safety of HP Latex inks."

The cutting-edge technology, quality and reliability of HP printers, together with support from Diatec, has helped to meet customer demand.

www.sigraphics.ie

The cutting-edge technology, quality and reliability of HP printers, together with support from Diatec, has helped to meet customer demand



Dave Savage with the HP Latex 1500 printer

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LED printer opens new markets for sign business

Owner partners Sylvia and Bill Islip of Trade & Discount Signs have run a wide format Agfa machine for over 6 years but having replaced it with the faster Anapurna H1650i LED, they've seen immediate benefits for their 30-year old business.

Sylvia comments: "It may be the smallest Anapurna engine and great value for an industrial printer but it was still a considered investment for a business of our size. However, the benefits we've seen within the business already have been huge. The new print engine is on average five times faster than the old machine which has given us much more time to look at new products, approach new markets and broaden our customer base."

Further benefits included the energy savings made by the LED bulbs on the Anapurna and the vast improvement in quality, particularly when printing white on to a material. The company can now print to rigid media and the ink is fixed without having to laminate, massively reducing the production time and cost of materials.

Sylvia and Bill were impressed that the machine now has small stirrers on each

ink tank (with back-up batteries should the electric cut out) which constantly stir the inks to stop the pigments congealing; while the Asanti workflow driving the machine, was very simple to use.

Bill started producing golf signs and within four years was at the forefront in health & safety signage and his business grew with this new and buoyant market. In these early days the production process was very time consuming with the hand cutting of vinyl and overlaying. Today it's a much more automated process but their experience over the years has meant that they've become experts in their field, quite often auditing local businesses to advise facility managers on their health & safety requirements.

Sylvia joined the business 10 years ago to bring marketing skills to the company and broaden its client base. They've had some success with temporary road signs and personalised signage within manufacturing businesses has been added to their product offering. They are excited that the new Agfa press will help them fulfil other targeted areas that they didn't have time to work on before.

"The new print engine is on average five times faster than the old machine which has given us much more time to look at new products, approach new markets and broaden our customer base"



From left: Kevin Harl from Litho Supplies, Sylvia and Bill Islip with the Anapurna

Sylvia and Bill viewed alternatives when they decided to replace their wide format printer but concluded that Agfa's Anapurna H1650i LED was a perfect entry level industrial machine at an affordable price point. At 1.65m wide, it is the smallest member of the Anapurna family, designed as an accessible hybrid printer sharing the same features and benefits of high quality imaging, ink-saving thin ink layer technology and perfect white ink printing reliability yet is less expensive and will fit into smaller spaces. It still features automatic head height measurement, crash prevention, an anti-static bar and air-cooled UV LED lights that allow printing on thin and thermal sensitive materials and is driven by the intuitive Asanti workflow.

"I was actually staggered at how smoothly the installation went," concludes Sylvia. "We were up and running in just two days."

www.agfa.com

Hybrid UV LED press proves itself invaluable to large format business

Super-Wide Digital (SWD) has added Agfa's Jeti Tauro H3300 LED press to its stable of superwide format machines. Installed in September 2019, the company says it underestimated the benefits it has brought to their established print business.

Founded in 2000, SWD specialises in volume large format work and consistently invest in new equipment and technology to ensure they offer their customers the very latest innovations. So, when they decided to invest in an Agfa branded engine for the first time it was a compliment indeed to the Agfa business and product offer.

"We visited Agfa at the global launch of the Jeti Tauro H3300 LED in 2018 and were impressed at the resolution and output of the machine in the demonstrations," says business development manager Luke Drogan. "When we installed the Jeti Tauro and put it through initial testing it performed even better than we had anticipated, which was a great bonus to us. Immediate benefits included the impressive level of quality at high speed, the coverage capability of its high speed white ink and the primer feature which allows us to print on materials that are usually difficult for inks to adhere to. The Jeti Tauro was a press that we hadn't

desperately needed as a business but is now one that we definitely can't do without."

The Jeti Tauro H3300 LED is a hybrid UV LED wide format press that allows manual, continuous and automated feeding of both rigid and flexible materials. It includes 60 fast-firing Ricoh Gen 5 print heads, each with four nozzle rows offering two colours per head. The optional Master Roll-to-Roll system, of which the UK's first is installed at SWD, allows for jumbo rolls of up to 750kg per roll in both single and dual lane print modes.

Just three months on, they have already created a number of new products by experimenting with the new Agfa machine. They've mastered double-sided self-cling window graphics printed colour-white-black-white-colour which means graphics can be printed in one-pass and read correctly both ways without show-through. For brands that require very accurate colour representation of their corporate identity, they've tested printing directly to powder-coated metal sheets using the Tauro's abilities to print with a primer and a strong white underprint. Pushing the boundaries with these solutions helps SWD stay ahead and in particular assist creative clients within the markets they serve.

Primarily a trade print supplier that produce huge volumes of work with all finishing processes completed in house, in addition to their new Agfa Jeti Tauro H3300 LED, SWD has 1.6m and 3.2m latex roll-to-roll, two dye sublimation, two additional 3.2m hybrids and four 5m roll-to-roll machines on site. This capacity gives them very impressive contingency; should a machine fail, there is always another on the shop floor that can pick up the work and that offers reassurance for many of their customers, especially with tight lead times. With the speed of their machines and capacity to complete higher volumes of work than most 24-hour printers, SWD ensures their clients' work is done quickly with the minimal fuss and when extra large print requirements arise, it does not negatively affect their day-to-day business.

"There is no doubt that Agfa's Jeti Tauro H3300 LED has made a great initial impression on the team," concludes Luke. "Our experienced print manager Tristan Haslam would choose to put all work through it and that's a compliment indeed to the Agfa technology, service and support."

www.agfa.com



From left: Luke Drogan; Bobby Grauf, sales manager, Agfa; and Tristan Haslam



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PRODUCT Choice

LED printer upgrade delivers large volume jobs faster

Greenhouse Graphics was established in 1993 as a digital artwork and pre press business with the aim of providing a more sustainable print service than anything readily available in the market at the time.

More than 25 years on, the company specialises in litho and sheet fed printing, graphic design and artwork services plus large format printing and signage.

Greenhouse Graphics see the growth areas of their business are in the large format and creative design departments as well as online business. To increase production capacity they decided to invest

in an Agfa Anapurna H1650i LED which would allow a speedier turnaround of numerous projects.

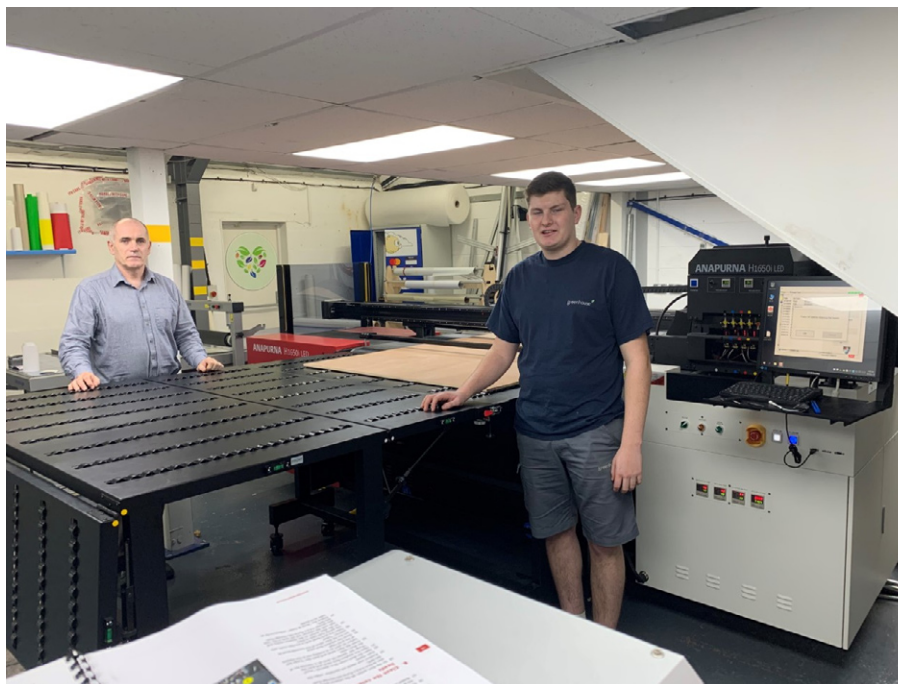
Managing director Ian Crossley comments: "Our new investment allows us much faster printing of posters, banners, wall coverings, boxes and boards and enables the business to not only take on extra work but also deliver a more efficient service to our customers. The printer was purchased through inkjet specialist Josero who demonstrated an exceptional understanding of large format machines and digital cutters. We were impressed with the speed and the low ink usage of the Agfa Anapurna H1650i LED."

Ian has a great deal of experience in wide format printing sector and carried out extensive research and testing before selecting the H1650i LED

The installation ran very smoothly and the machine has been in full production as expected following the three day installation and training process. It sits alongside equipment including a Komori Lithrone 429 H-UV B2 printing press, Screen 250lpi 4300E Hazardous Waste Free CTP, the Zund S3 M-1600 digital cutting and routing table, Morgana numbering, folding, perforating and creasing machines and the Ricoh C910 CMYK Digital sheet-fed press.

Loic Delor, managing director of Josero, says: "We're delighted Ian opted for the Agfa Anapurna H1650i LED to replace his aging Screen Truepress flatbed UV printer. A huge leap forward in production speed without compromising on quality, he needed the upgrade to deliver big volume jobs in a constantly tightening delivery schedule. Ian has a great deal of experience in wide format printing sector and carried out extensive research and testing before selecting the H1650i LED."

Ian concludes: "This machine is the ideal choice for us, increasing the production capacity of our business while retaining a high quality end product."



From left: Ian Crossley with the new Agfa Anapurna and operator Liam Doran

www.josero.com

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LED light bar 'CURTAIN'

High speed printer installation speeds up workflow

CIM Signs & Graphics has installed its sixth print machine, the Canon Océ Colorado 1650 which it says will "speed up workflow by four times the current rate".

The Canon Océ is capable of printing large format materials including banners, bespoke wallpaper, large office graphics and posters measuring up to 1.6 metres wide, "at a significantly faster rate than other printers". Print can be finished in matt or gloss without separate lamination and the ink dries instantly, enabling the prints to be worked on immediately. These features enable CIM to increase production workflow as jobs can be progressed from start to finish without downtime while they dry in between processes. The ink used is a gel which is more economical and better for the environment.

CIM was awarded a £10,000 grant from the New Anglia Local Enterprise Partnership's (LEP) Growing Business Fund, which enabled the company to purchase the new machine.

Managing director Mark Baker says: "We are delighted to install this new printer which will enable us to further improve the service and lead times for customers. We pride ourselves on turning jobs around fast so this machine will be a big asset to our business. It's very exciting to be the first company in East Anglia to be able to offer this kind of print and we can't wait to put the Canon Océ through its paces."

In 2018 CIM installed a Rollscroller flatbed applicator machine, two additional wide format printers and a laminator.

The machines have helped to increase the output of vinyls and digital prints for materials including signs, exhibition panels and point of sale and wide format print for wallpaper and bespoke wall covering, products which continue to grow in popularity among CIM customers.

www.cimdisplay.co.uk

"It's very exciting to be the first company in East Anglia to be able to offer this kind of print and we can't wait to put the Canon Océ through its paces"



Print can be finished in matt or gloss without separate lamination and the ink dries instantly, enabling the prints to be worked on immediately

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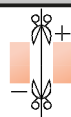
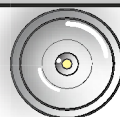
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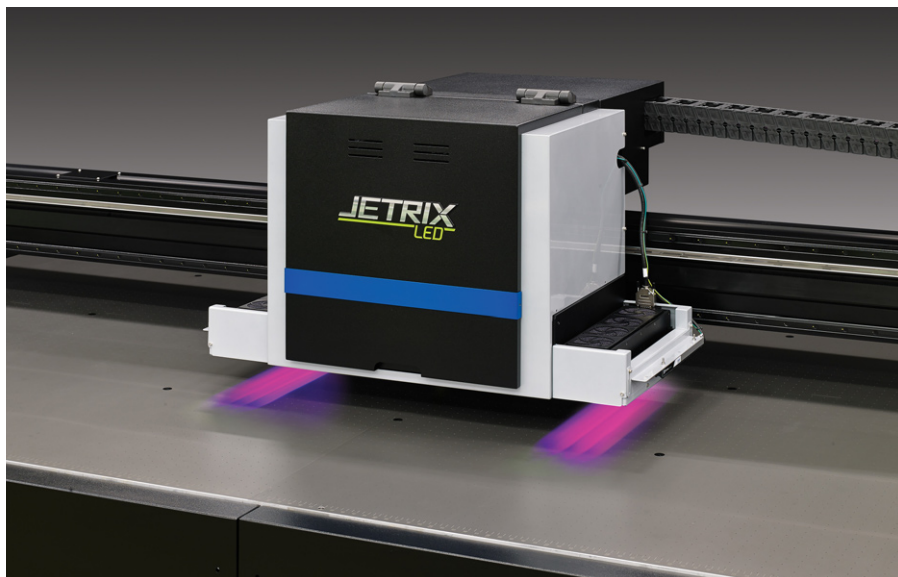


Direct to substrate flatbed printers increase productivity

Astra Signs required a direct to substrates flatbed printer that would stand up to their heavy production requirements and emulate their high printing standards. To make sure the JETRIX LXi8 would achieve what they needed they embarked on three rounds of intense demonstrations and testing with Perfect Colours. Specific areas of interest were explored in terms of its flexibility and production capabilities. In particular, exploring its ability to integrate white and how well it delivered on its multi-layer printing function to emulate the very high standards that Astra strive and deliver to.

The 3.2m JETRIX flatbed has been developed to deliver high production of speeds of up to 206sqm/hr alongside a host of other premium abilities. This includes delivering optimum printing results and its user friendly features including the dedicated JETRIX GUI (Graphical User Interface) which makes it easier to use by simplifying, optimising and automating as many steps as possible.

Astra was more than happy to purchase the LXi8 printer in close succession to the LXiR320.



Capacity for direct to board printing has increased with the LXi8



"After reviewing several other offers, these printers were the best fit for us both in terms of their productivity and their competitive price," says managing director David Derbyshire. "They are being used for everything from bespoke branding to signage to direct to substrate. In fact, our capacity for direct to board printing has accelerated significantly since having the JETRIX LXi8. The combination of build quality, being easy to use and the excellent white printing in 8 colour means they truly are outstanding for their cost."

A view supported by Darren Walker, regional director northern territories at Perfect Colours, who says: "We've been working in partnership with Dave Derbyshire for quite a while. Building on their experience of the previous JETRIX we knew that the LXi8 was absolutely the right flatbed printer for Astra Signs. We firmly believed it would bring more work in for them due to its productivity and print capabilities. This is why we went through several rounds of demonstrations to truly showcase what the JETRIX LXi8 could do for them and prove that it was the best product for their business."

www.inktec-europe.com



The 3.2m flatbed has been developed to deliver speeds of up to 206sqm/hr

LED UV printer and digital cutter help grow sign business

Signs and Graphics has purchased an Agfa Anapurna H2500i LED UV printer and a Blackman & White Genesis V digital cutting system from i-Sub Digital in an investment made ahead of schedule.

The business had planned to expand production within around five years but when additional floor space became available at the same time as a major customer expanded to become one of the largest garden centre chains in the UK, Total Signs stepped on the accelerator.

"Our customer's growth gave us a push to bring our investment forward"

"We've always had a strong relationship with the company and when it went national there was potential for us to grow with them," says operations director James Cody. "However, there was no way we could do it without new a printer; it simply wasn't possible to complete the work in the required time scale."

Total Signs took delivery of the printer in August 2019, giving it the ability to print onto a wide range of uncoated rigid and



The Genesis V digital cutter has enabled Signs and Graphics to take on more projects

roll media for indoor and outdoor applications at high speeds. The Agfa is the first UV printer for the business which had formerly used only solvent systems.

When the faster turnaround created a bottleneck in the finishing department the Genesis-V digital cutting system was purchased. Total Signs and Graphics could immediately take on further projects for its garden centre client.

"From mid-July until late November we had a team of two installing internal and external signs and graphics, all printed on the Agfa, at branches around the country,"

says James. "We won a further POS job ahead of Christmas: producing shelf strips for tens of thousands of products. There was no way we could have done that by hand."

"Our customer's growth gave us a happy push to bring our investment schedule forward. The Anapurna and Genesis-V have made a massive difference: we can now enter new markets and employ two new members of staff. We're loyal customers of i-Sub because their service is second to none."

www.i-subdigital.com



The Agfa is the first UV printer for the business



The investment has enabled the company to enter new markets

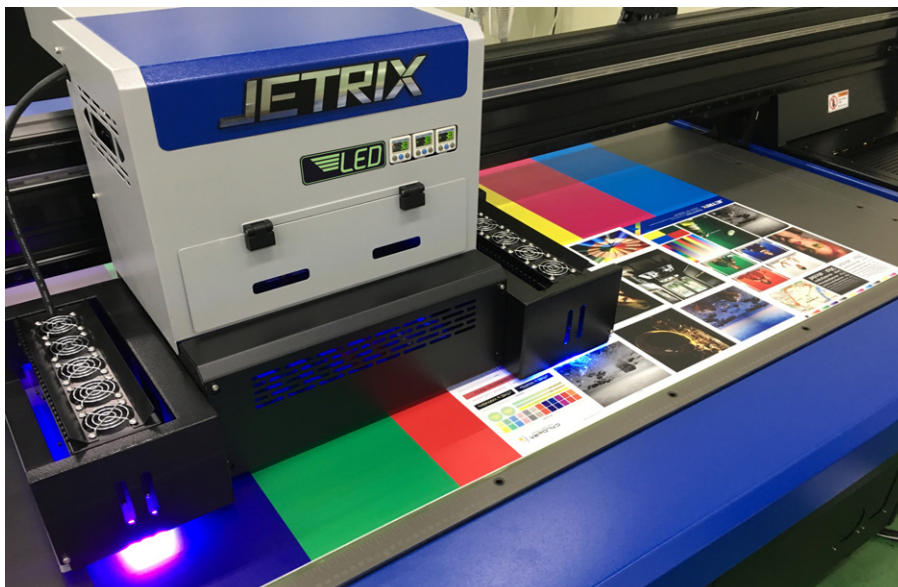
Sticking to rigid *By Jack Gocher*

Sign Update looks at challenges and trends in the large format direct to rigid substrate market and how changing technology and sustainability are presenting new opportunities for large format digital printers.

As its description suggests, direct to substrate printing involves applying the design directly to the media. Traditionally, applying graphics to rigid substrates required multiple processes, where pre-printed material would be applied to a solid substrate and then, depending on the application, laminated for additional protection or finishing options. Now, with the wide availability of UV-cure and UV LED printers, there are many more options for printing directly to rigid.

The key rigid products, which are particularly popular for indoor environments are generally foam PVC and display board. These work really well for retail environments, lending themselves to point of sale, but can also be seen extensively at exhibitions and events. They often work out relatively cost effective due to their material cost and so are great for more temporary based signage and graphics.

For a more permanent solution acrylics and glass can be used for retail, alongside fine art applications. In some instances, also seen for fine art and more typically industrial applications is aluminium composite. According to Ben Woodruff, Had of JETRIX Sales for Inktec Europe, "If a piece is going to be used externally, then it generally requires a more durable and lightweight rigid media such as fluted polypropylene is popular for outdoor signage as it is durable and lightweight.



The JETRIX LED UV printhead enables direct to rigid printing for a broader range of substrates

However, it has not been unknown for media such as aluminium composite to be used for outdoor graphics where something more hardwearing and robust is required for longer term use."

Whichever media is chosen it's critical that the right sort of printer is used and that the ink achieves an excellent adhesion regardless of the texture of the medium being printed onto. "This is where the JETRIX LED UV printer range is ideal," says Woodruff, adding, "With an extensive range of flatbed sizes available to suit every budget and printer environment, the JETRIX printers are ideal for commercial printers either already in or looking to enter the wide-format, signage and packaging

arenas. All of which demonstrate incredible flexibility and production capabilities."

He continues, "Of particular note is the JETRIX printers' ability to integrate white and deliver multi-layer printing. The significant advantage of the white ink ability is that it can easily print on clear and dark substrates and lay down a base layer which can then be printed over to create more intensive colours. In addition, the LED UV technology means that the printers run relatively cold and so the range of media it can print on is even more extensive, as it does not lead to distortion or curling due to excessive heat. Compared to others in the sector, the JETRIX flatbed range can also actually



JETRIX printer can apply textured finish onto rigid substrate



Direct print to just about anything - notebooks, acrylic phone cases and even polystyrene



print directly onto the rigid substrate without the need for any special coatings.”

As a business, InkTec Europe says that JETRIX customers are seeing the benefits of improving their printing opportunities and increasing their profitability as they are able to print on a wider variety of rigid medias. In some instances this is leading to more unusual applications, such as a recent project that involved producing wooden table numbers for Giraffe Restaurants. In rather grisly conclusion Ben Woodruff adds, “Talking about unusual, one of our most recent installations has been for a coffin producer, where a graphic is printed onto the wooden lid to add the personal touch to their send off! What can be produced these days is very much down to the imagination and creativity of the designer.”

www.inktec-europe.com

Creativity, speed and versatility from Roland

The ability to diversify while delivering high-quality work across the board is what sets successful sign-makers apart from their competition. The capability to print directly onto a practically unlimited range of substrates, therefore, is a golden business opportunity.

UV printing technology offers this material flexibility owing to its chemistry: UV ink sits on the surface of the substrate onto which you're printing rather than permeating it, so it is compatible with multitudes of substrates including porous materials and, with a primer, smooth surfaces like glass and metal. The ink is cured using cool-temperature UV light so can also be used with heat-sensitive roll media and products such as electronics, in addition to rigid boards.

Material versatility

Rob Goleniowski, Head of Sales – UK & Ireland – Roland DG (UK) Ltd, explains, “An example of the material versatility possible using UV curing is the Roland DG IU-1000F large-format UV-LED flatbed printer. Acrylic, PETG, PVC board, foam board, PC, wood, corrugated polypropylene board, aluminium composite plate, metal and glass, up to 110mm thick and 45kg/sqm in weight, can all be printed directly using this industrial system. UV inks offer high colour density and high adhesion levels for direct-printed applications including signs, exhibition



The new Roland VersaUV S-Series machine has reduced manufacturing times by three-quarters for Sign Shed

graphics and backlit displays, but also for interior décor applications, canvas wall art and more. The IU-1000F runs White, Gloss and CMYK inks, and can also print primer to further extend the list of compatible direct-printable substrates.”

Direct-to-substrate printing using UV technology can also add an extra dimension to work, in a literal sense. Goleniowski adds, “The Gloss (clear) ink

on several Roland UV solutions can be printed in layers to produce lifelike textures and simulated embossed effects, ideal for adding decorative elements to a print but also for practical purposes such as producing Braille text on signs. Gloss ink can also be used to create matt and gloss finishes for an effective high-end appearance on any kind of output.”

.....Continued on page 30

RIGID SUBSTRATES Feature

.....Continued from page 29

Stockport-based Floreeda Fabrications is one user to take advantage of this feature. In July 2018, this family company installed a Roland VersaUV S-Series LEJ-640S to help grow its business manufacturing bespoke acrylic POS displays for retail and exhibitions. While it was originally purchased to extend its range to include large-scale work – VersaUV S-Series systems can to direct-print onto flexible or rigid substrates or objects up to 200mm in height and 100kg/sqm in weight – it was soon put to work printing textures. For example, Floreeda Fabrications completed a project for a fashion retailer which included adding a three-dimensional concrete-effect finish to acrylic retail displays.

Goleniowski adds, "The IU-1000F and the VersaUV S-Series are both substantial machines, able to print directly to large-scale sign boards and other products; large-format print businesses and sign-makers could utilise its versatility to offer bespoke furniture such as table-tops and interior décor items to their customers. UV printers are also available in compact benchtop models, such as the Roland VersaUV LEF range, which can be used for small-format work like safety signs or decorative display products."

Pretty in Polka Dots, a specialist in custom-printed wooden products based in Kentucky, USA, bought a Roland VersaUV LEF to take control of previously outsourced work. Its popular products include white painted signs, wood plank picture frames and reclaimed pallet wood signs, all of which are compatible with its Roland VersaUV direct-to-substrate solution.

"Lots of shops are offering hand-painted or stencilled signs, but they can't work on a rough surface – we run the wood right through the LEF and our prints come out perfect," explains Owner Ben Laskowski.



Health and safety signage produced by Yorkshire based Sign Shed

Need for speed

UV direct-to-substrate printing can also accelerate turnaround speeds on standard materials. The Sign Shed, a Yorkshire health and safety signage specialist, installed a Roland VersaUV S-Series LEC-330S-F200 in 2018. Previously it had been printing graphics and letters onto vinyl for application onto signage substrates, but its new S-Series removed this step; by printing directly to composite aluminium, rigid plastics, Foamex and Corex The Sign Shed has significantly decreased its processing times.

"Our customers want a fast turnaround and the addition of our new machine has reduced manufacturing times by three-quarters," comments Rob Haywood, Director of The Sign Shed.

Eco-solvent can be a valid alternative

For some applications and environments, eco-solvent technology is a preferred direct-to-substrate option. Goleniowski

says, "The Roland SF-200 is the world's first desktop flatbed eco-solvent printer for sensitive applications, running highly durable inks that meet strict safety standards. This means signage and print businesses can access the medical, healthcare and personal hygiene markets, producing small-format items and products – and even diversifying into children's toys and food containers. Like Roland's UV solutions, the SF-200 eco-solvent printer achieves bold colours and sharp text on a variety of materials."

He concludes, "The ability to print direct-to-substrate can bring ideas to life. For signage businesses looking for the ability to accelerate production of everyday work while having the option of diversifying into new markets, UV and eco-solvent can be very profitable and creative options for their next step."

www.rolanddg.co.uk



Roland printing directly to wood safely for childrens' toys



The Roland SF-200 printing durable, striking graphics onto plastic



The Roland SF-200 is the world's first desktop flatbed eco-solvent printer for sensitive applications

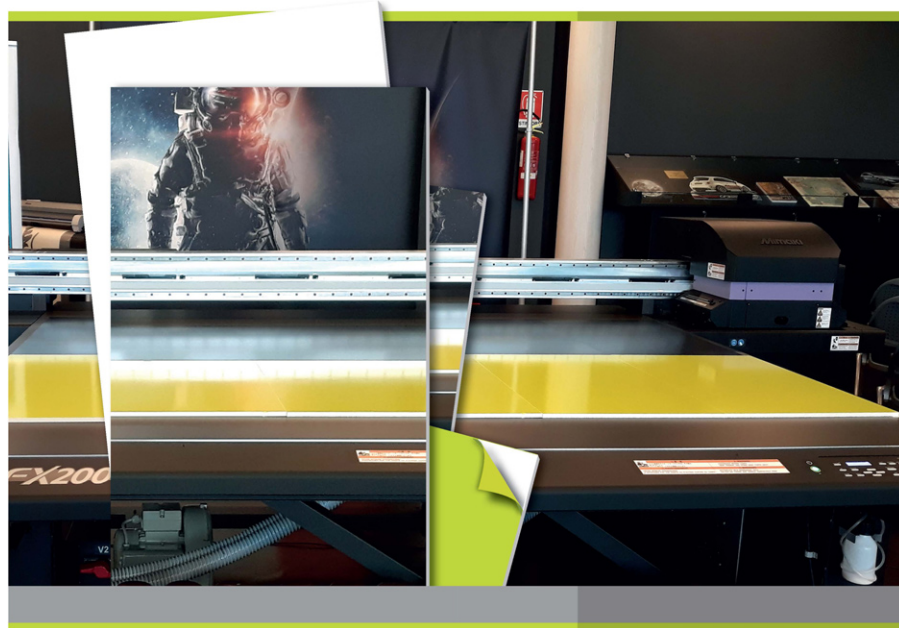
Perspex Distribution continues to add rigid media

As ground-breaking technology with large format flatbed printers and ink continues to come into the market, the range of rigid media products has also needed to develop. Perspex Distribution is at the forefront of this market and is continually introducing exciting new products.

Luke Martyn, Marketing Manager for Perspex Distribution, says, "We are the UK's leading supplier of UK manufactured rigid substrates offering a unique range of options for large format printers. We supply Alupanel, the only aluminium composite sheet produced in the UK, boasting sheets optimised for direct print, folding and fabrication and even panels for printed magnetic displays. We also stock UK manufactured Palight PVC foam and of course Perspex® acrylic."

He continues, "We have recently introduced a new range of products designed to enhance the output from large format direct printers. Our Alupanel aluminium composite range continues to evolve and we are now rolling out a new Alupanel A-Lite Digital Signal White colour point designed to offer an even brighter white surface for vibrant printing output."

Alupanel A-Lite Digital also features a 5005 aluminium alloy which provides a superior flatness to the sheet. It is a double sided product offering versatile print on each side of the sheet. "Ease of use within a print workshop is also



Palight Print Plus is a new PVC foam range

guaranteed with an improved easy peel film designed to reduce overall labour time and costs. The masking is also anti-static so does not attract dust prior to printing and its low adhesion leaves no residue or ghosting," adds Martyn.

Investment in the environment

Alupanel manufactures, Multipanel UK, which has also recently invested £3 million to build an onsite recycling centre at their

UK production facility in Dover. This facility enables them to redirect LDPE plastics from landfill to turn into pellets used within their sheets core. The facility is capable of supplying up to 80% of their LPDE requirements.

Luke Martyn says, "We have also recently introduced a new PVC foam range into our portfolio; Palight® Print Plus, our whitest ever PVC Foam sheet. This sheet has been developed specifically for Perspex Distribution, Palight® Print Plus allows print professionals to get the best image quality and colour accuracy from their printers."

The product is manufactured by Palram in their north of England manufacturing facility. The lightweight foamed substrate is ideal for varied projects including retail POS, exhibition stands and general signage. Its bright white colour yields a wider colour gamut and accurate colour imaging, whilst the smooth and uniform surface serves as an ideal substrate for ink adhesion and coverage.

"As with all PVC foam in their Palight® range, the resistance to chemicals and humidity makes the product suited for many applications once printed. UK manufactured substrates for print are not limited to those seeking a white surface to print on. Perspex® cast acrylic and Palsun polycarbonate are both used to produce a high quality printed finish," concludes Martyn

www.perspex.co.uk



Alupanel A-Lite is double sided, with an easy-peel film to reduce labour time

Plenty of options for HP Latex

Exciting developments in ink and imaging technology mean direct-to-substrate printing processes are more accessible to more signage and graphics businesses, who are using these systems to produce outstanding work. By its nature, printing directly to a material increases efficiency; jobs that may have typically involved printing onto vinyl, which was then applied to a rigid substrate by hand, can now be completed with that step removed. With less vinyl used there is also a reduction in consumables cost and waste, with resultant environmental benefits too.

Furthermore, modern direct-printing solutions deliver a vast range of substrate options. Simon Nuvoletta, UK&I Marketing Manager, Large Format Printing, HP Graphics Solutions Business, explains, "The HP Latex R printer series has been developed as a hybrid technology, able to handle both roll materials and rigid substrates. This latter category includes paper foamboard, plastic foamboard, PVC foam, plastic corrugated, acrylic, polycarbonate, polystyrene, compressed cardboard, corrugated board, honeycomb board, aluminium composite panels, wood and even glass and ceramic – a world of opportunities for graphics companies to explore. The HP Latex R2000 has been designed to allow continuous loading of boards, reducing operator intervention and boosting productivity."



The HP Latex R2000 can handle a broad range of rigid media

Strength of Latex

Nuvoletta continues, "Both the HP Latex R2000 and Latex R1000 utilise HP's breakthrough Latex ink, which achieves vibrant colours and glossy whites in a water-based formulation that is kinder to the environment than UV or solvent." It was the sustainability benefits of HP Latex that first attracted PressOn, a large-format digital printing business based in Kent, to the technology.

"We replaced a UV printer with a new HP Latex R2000 in 2019, as we found Latex ticks more boxes than UV," explains Andy Wilson, who founded PressOn with fellow Managing Director Nigel Webster in 2000. "Firstly, the water-based Latex inks are easier to recycle. Secondly, the range of

materials compatible with the R2000 is so broad we can offer several alternative, more sustainable, materials to our customers: fabric, wood, repurposed and recycled materials, and polyester, which has less impact than PVC.

"The market is actively demanding more environmentally conscious products. Direct-printing with HP Latex gives us a competitive edge to retain existing and attract new customers, while limiting our own impact on the environment."

Andy adds that the decision to invest in the HP Latex R2000 was made with PressOn's printer operator team: "There is no extraction required with Latex and no difficult odours, which improves the internal environment for operators."

PressOn has completed a variety of innovative direct-to-substrate projects using the HP Latex R2000 printer, including hoarding graphics for Dulwich College in London. The school took the opportunity to turn the hoarding, essential for public protection during building works, into an informative timeline display. PressOn printed the graphics directly to aluminium composite, laminated the substrate for outdoor protection, and adhered it to a plywood hoarding. The timeline included both images and 'a lot of very small text, so absolute precision was essential', says PressOn, but thanks to the R2000 'we were able to reproduce the graphics with complete clarity, and to the very highest quality'.



The HP Latex R Printer series is ideal for medium sized print service providers

Safe and eco-friendly

Latex's safer and more eco-friendly inks are also opening new doors to users in this signage market. Dublin's DBSL, for example, purchased an HP Latex R2000 in May 2019 to enable the production of larger scale display work but soon found it could sell to the healthcare and education sectors too.

"HP's Latex inks are more environmentally friendly than solvent-based inks," says Karen Donaghy, Director & Accounts, DBSL. "I think the industry will demand this more and more, so this is another way in which we are future-proofing ourselves. The new printer has capabilities that will let us reach new markets."

Efficiency and cost-saving

For other users, the main selling point of printing directly to signage substrates is its efficiency – in time and materials.

"Previously, we had been printing onto vinyl and applying it manually to sign boards, so by printing directly to substrates we are making substantial cost savings on both vinyl and labour," comments Graham Sim Managing Director of Specialized Signs. The Edinburgh sign business installed an HP Latex R1000 in 2018. "The quality is also better; the appearance of vinyl application is nowhere near as good as direct-printed work."

For Preston-based large-format print business JKN Digital, the density of colour achievable using the direct-to-substrate process was key to its decision to purchase an HP Latex R2000 in 2019, having seen the printer in action at the HP Graphic Arts Experience Center in Spain.



Printing directly to rigid materials, such as acrylic, for eye-catching displays

"In Barcelona I was able to see the level of quality of the output on the R2000, especially when printing direct to rigid substrates," says Managing Director Peter Nicholls. "I was particularly impressed by the white ink; its vibrancy really makes it superior to all other whites on the market."

Since its installation, Peter says it is the efficiency of direct-to-substrate printing that has made the biggest impact at JKN Digital. "We've also improved efficiency by working faster with the same number of staff while keeping the quality of output very high," he says.

Printed.com installed an HP Latex R2000 at its Northumberland premises in July 2019. Production Director David Duncan agrees with Peter Nicholls. He comments: "Printing white ink is always a challenge on any device but the R2000 is producing some exceptionally high-quality results for us. That coupled with the sheer flexibility of the press makes it an ideal addition to our business. It has improved efficiency

and increased capacity in our large format department."

Printed.com offers an ever-expanding range of printed products directly to its customers online, including large-format rigid board work on Foamex, foam core, Correx, 2mm card, Dibond and acrylic – all printed on the Latex R2000. "But we don't intend to stop there as we believe there are many more substrates that the press will allow us to add to our range," says David.

Simon Nuvoletta concludes, "Printing directly to substrates with high-quality inks can expand a graphics business's service offering enormously, while increasing efficiency, reducing consumables costs and boosting sustainability. With customers demanding all of this – choice, speed, low prices and greater ethical transparency – the technology offers fantastic benefits."

www.hpgraphicarts.com



PressOn used HP Latex machine to produce hoardings for Dulwich College



HP printer laying white ink in 'Underflood' mode

Environmental advances from Antalis

The large format digital inkjet print market offers a wealth of opportunities as new applications, trends and new sectors look to take advantage of the capabilities of the changing technology. Change is also being supported by new media as more sustainable options for direct print become available.

The introduction of new UV/UV LED technology has brought with it the possibility of even more applications and an increase in compatible substrates for direct print are further driving market demand. Traditionally flatbed print used UV curing lamps that generated heat so substrate choice was limited. Because LED is cold cure, very thin substrates, and media that is susceptible to damage from heat, can now be directly printed.

Hybrid printer – changing technology
Hybrid printers, which are capable of printing both roll and rigid media, are becoming increasingly popular thanks to their flexibility and smaller footprint. They are much easier for most printers to accommodate than their true flatbed counterparts as they take up less space and harness the latest LED lamp (cold cure) technology allowing for a wider range of substrate print.

Paul Duffy, Hardware Development Manager for Antalis, says, “A UV/UV LED hybrid printer really comes into its own for jobs that require print across both roll and rigid media. Because all media can be printed on the same machine, it is easier to achieve consistency of colour. This is much more difficult for jobs run on separate flatbed and roll to roll printers because the process colours of the ink will differ between solvent, latex and UV. For larger clients, who require brand integrity for colour consistency, it is hugely beneficial to print using hybrids.”

Flatbed printers

According to Duffy, when a customer's application requires only rigid media, then a true flatbed is the best option. “These printers are capable of printing large boards up to 50mm thick on machines with maximum width of 5 meters. On some of the very large flatbeds, it is possible to be printing one sheet while loading the next, or by laying several sheets side by side and printing multiple jobs in one go – a factor that can help to speed up production.”

The dot placement on a flatbed printer is more precise, compared to any other printing process, which opens up more



Paul Duffy, Hardware Development Manager for Antalis

applications. This is due to the way they work and the way the substrate is loaded. Because true flatbed printers are very robust – and because sheets can be fixed in position – they can be used to print heavy substrates. In fact, it's not uncommon to see sheet metal, doors or sheets of wood being printed.

Small format flatbed printers, such as the Mimaki UJF and Roland LEC printers work in much the same way. These are predominantly used for printing personalised products or a variety of promotional merchandise, for example, golf balls, phone cases, trophies and acrylic photo blocks.

However, as Paul Duffy explains, there is a misconception that you can use UV/UV LED technology to print onto absolutely anything. “It is possible to print onto most things, but manufacturers produce different inks for different applications; some ink is more flexible while some ink is harder with a more durable finish. Some substrates may need help with ink key; there are primers available for this but some printers print their own primer as they go. Antalis offers support to achieve the best results for each substrate.”



Xanita is lightweight and very strong, making it the ideal solution for a wide range of decorative and structural applications

Antalis offers a range of rigid substrates

Antalis offers a wide range of fibre-based and plastic substrates in the rigid category. Traditional choices such as foam PVC, Correx and display boards are joined by a growing range of aluminium composite products under Antalis' new Coala Printbond brand. Other specialist materials include Xanita, Stadur Easyprint, which is ideal for fabrication to 3-dimensional shapes.

"In 2019 Antalis launched an intuitive online tool, SUBSTR8, which allows printers and their end users to navigate Antalis' range of rigid media by 'application' across eight different creative sectors, including retail instore/exteriors, office, automotive, exhibition and hospitality. With end users becoming increasingly conscious of making sure the large format substrates used in their projects align with their brand, and meet their environmental criteria, SUBSTR8 can help guide users through an array of substrate options – and can be a useful reference for collaborative talks between the printer and their client," he says.

Sustainability in rigid media

As public support gathers behind the call to address climate change, businesses are increasingly looking at what more they can do to operate more sustainably. "Antalis is acutely aware of the growing demand for more sustainable alternatives to plastics. We are constantly working with suppliers towards the development of new and innovative products to meet this demand. Our range continues to grow with innovative fibre-based boards such as Xanita and Katz, as well as environmental plastics like Triaprint, Priplak polypropylene



and Lumex A PET which will be joined by further new products during 2020! Printers are increasingly questioning why they are using foam PVC boards for display and exhibition work and Antalis can help them to 'present' to end clients the very real and sustainable alternatives," says Duffy.

Xanita Print range is a recyclable engineered fibre-board, manufactured with a corrugated kraft core made from recycled cardboard boxes. As well as being environmentally friendly, Xanita is also lightweight and very strong, making it the ideal solution for a wide range of decorative and even structural applications, including POS, shop-fit and exhibition design.

Katz Display Board is a 100% fibre-based board and an environmentally-friendly alternative to the use of PVC and PUR foam boards for retail and POS sectors. Developed to withstand store conditions,

including variations in temperature and humidity, its high quality, smooth white surface gives excellent print results on UV digital and flatbed latex.

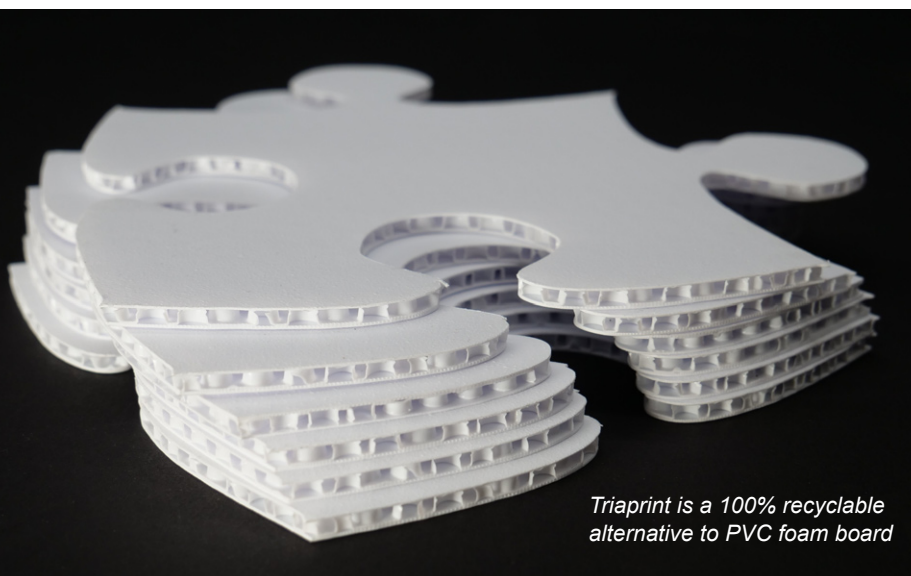
Triaprint has a smooth top and bottom surface, and is an excellent environmentally friendly alternative to the use of foam PVC, foam board and other rigid plastics, as its construction is 100% polypropylene, in turn making it 100% recyclable.

Carbon offsetting – one step further

"Antalis UK has recently announced that all material purchased from across its papers, packaging and visual communications ranges, including rigid substrates, can now be carbon offset," says Duffy, adding, "We are able to calculate the kilograms of carbon emissions it takes to procure any rigid material type. These carbon credits can be purchased by customers to support the creation of new UK woodlands or to preserve global forests."

In conclusion, Paul Duffy says, "At Antalis we offer a free consultation service for anyone considering investing in large format equipment or looking for substrates advice or recommendations. We work with several different partners offering equipment from world leading brands, and can offer an impartial consultative approach with solutions to meet the unique needs of a business as technology, applications and requirements change. We will work with clients to understand exactly what it is they're trying to achieve and advise them on the best way to invest in the latest technology and substrates that will fulfil their needs and that of their end-clients."

www.antalis.co.uk



Triaprint is a 100% recyclable alternative to PVC foam board

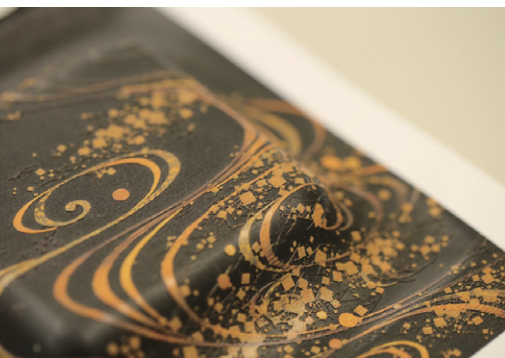
Sticking to rigid

Advances in ink technology, and how it is applied to an ever-increasing range of substrates, has been instrumental in driving the adoption of direct to rigid substrate application. Mimaki has long been at the forefront of both printer and ink innovation and the recent developments in LED UV has seen them take further strides.

Brett Newman, Chief Operations Manager for Mimaki's exclusive UK and Ireland distributor, Hybrid Services, explains, "Mimaki leads the way with LED UV technology and continues to evolve its already substantial and award-winning range of innovative flatbed printers along with the more recent additions of UV roll-to-roll print and cut as well as grand format roll to roll. This solid portfolio of LED UV hardware feeds a number of buoyant markets including direct-to-object, rigid signage, industrial prototyping, personalisation, soft signage and exhibition graphics. However, along with spearheading the LED UV hardware technology, much of what is creatively achievable is only possible with the phenomenal UV inks Mimaki has brought to market."

Hard ink for rigid applications

He adds, "The first decision to make with UV printing is whether you'll need hard ink or flexible ink. Hard UV inks are tough and ultra-durable. They have great adhesion and are suited to rigid applications such as printing on acrylic, wood, glass and metal. Flexible inks are stretchable to allow for the expansion and contraction of movement. They still provide scuff resistance and durability, but are astonishingly malleable on bendy surfaces like banner, vinyl and flexible phone cases."



Flexible inks allow printing to moulded signs



Mimaki's clear UV ink creates new application possibilities

Adhesion can be a problem in materials that possess low surface energies, such as polyethylene and polypropylene, but surface energy can be improved by pre-treatment technologies such as primers, which serve to increase adhesion and give life to prints. "There's Mimaki GM1 for glass and metal, which is a wipe-on wipe-off hand primer that gives an extra boost of adhesion. To automate the process and make it easier for printing companies, Mimaki has also developed two printable primers as well; PR100 for rigid applications and PR200 for use with flexible inks. Primer has opened up a world of new materials and objects that can be printed to, where historically ink adhesion would have been difficult," he says.

Clear varnish ink can be used to both highlight areas with spot or flood coating, as well as to deliver embossing opportunities with multiple passes. Available for Mimaki's LED UV flatbed technology since 2016, and now useable in the UCJV300 series roll-to-roll printer/cutter, the development of clear UV cure ink has created a host of new design possibilities and expands business opportunities by creating compelling displays using gloss, matte or textured finish.

He concludes, "Mimaki has developed a unique feature called Mimaki Clear Control (MCC), which shortens the time needed for ink curing to prevent dust from sticking, ensuring smoother, cleaner clear effects, such as matte or glossy finish."



Mimaki UV inks allow you to print to all kinds of surfaces, including laptop cases

Mimaki JFX200 delivers direct to rigid substrate solution for Modex

In automotive terms, 0-600 in three weeks might seem somewhat irrelevant, but for one Northamptonshire-based exhibition and display contractors, that sort of performance proved to be just what was needed to transform their business fortunes, following their investment in a Mimaki JFX200-2513 flatbed LED UV printer.

For one Northamptonshire-based exhibition and display contractors, being able to produce 600 8' by 4' boards in under three weeks was the sort of performance needed to transform their business fortunes. This was what they could achieve following their investment in a Mimaki JFX200-2513 flatbed LED UV printer.

Director Rob Brooks takes up the story; "Modex Exhibitions is well established as a designer and builder of high quality, custom-modular exhibition stands, delivered at a realistic price. We undertake virtually everything in-house, but the one thing that historically we've never had the capability for was the actual print of the graphics panels, which we had always outsourced."

Becoming self-sufficient as a business

Without any prior knowledge or experience in print operations, it was a chance meeting with the team from Preston-based Mimaki re-seller Granthams, which led to a demonstration of the JFX200 at UK Mimaki distributor, Hybrid Services in Crewe. "Within 20 minutes of the demonstration starting I was convinced that this machine was just what we needed to become almost totally self-sufficient as a business – the speed and print quality just blew us away!" continues Brooks, who was so impressed he didn't



Mimaki helps Modex deliver stunning exhibition graphics

really feel the need to check out the competition.

Placing an order immediately, the combined efforts of the teams at Granthams and Hybrid Services saw the machine duly installed by mid-January and starting to 'earn its keep' within days. The new JFX200 has quickly established itself as a really important production tool for the business, making a significant contribution

to the production of 30 to 40 display stands per month. As Brooks explains; "From a standing start at installation, within the first three weeks we had successfully printed more than 600 8' x 4' rigid Foamex display boards... all without a single problem!"

The Mimaki JFX200 Series Flatbed LED UV printer offers a choice of inks, including white and clear, providing unlimited creative opportunities. With the capability to print to a wide range of substrates, the JFX200 maximizes productivity by using industry standard (8' x 4') media on its 2.5m x 1.3m bed.

In addition to the obvious performance talents of the JFX200, the new machine has garnered much praise within the business for the ease of use that it offers, which has proved to be a very significant benefit for a business with no previous print experience. As Brooks himself rather self-effacingly comments; "Investing in the Mimaki has turned us from Luddites to high volume printers in a few weeks ... and we've got the photos to prove it!"

www.hybridservices.co.uk



The Mimaki JFX200 is at home at Modex

Large format digital media helps to create interior sanctuary

Antalis Interior Design Award entry Sanctuary House is an example of how Coala large format digital media is helping printers and signmakers venture into new markets.

An exclusive, contemporary, new-build house project entered into the Awards for 2019 beautifully showcases the versatility of the media for interior designs.

A keen amateur photographer and art collector, the owner of Sanctuary House approached Rob Otton, managing director at Ashley House Printing Company, to create three important elements of the home's interior decoration that would reflect these passions.

Using scans of original artwork, Ashley House Printing's design team carefully adapted the images to create large wall graphics which were applied to Linvisible doors and surrounding wall areas to create contemporary art features. For the majority, Rob selected Coala 2D Gloss laminate, printed four colours. For a

feature door Coala 2D Gloss White vinyl was printed in four colours; all doors were laminated with Coala 2D matt.

For the main entrance and stairwell of the house, inspiration came from the owner's nature reserve photographs, with elements from different photos used to create a large frieze that adds texture to the bright and open space. The unusual effect was achieved by digitally cutting Coala Silky Wallcover Textile to create a relief image.

"This was a very special project in an astonishing property," says Rob. "It really gave us the chance to show what we are capable of and try some techniques with substrates that we hadn't used before. Coala tends to be our go-to range for large format digital and it certainly helped us to produce some outstanding work for the client."

"This was our first private interior design project and something we would certainly be keen to do again. The building's architect was also 'blown away' by the designs and

"This was a very special project in an astonishing property; it really gave us the chance to show what we are capable of and try some techniques with substrates that we hadn't used before"

looking to work with us to create similar graphic installations for future projects."

Katie Farr, strategic marketing manager at Antalis, comments: "Sanctuary House is a wonderful example of how substrate development in the Coala range is working hand in hand with developments in technology to open up some exciting new business prospects for our customers as well as some wonderful creative installations for their clients."

www.antalis.co.uk



For the main entrance and stairwell of the house, inspiration came from the owner's nature reserve photographs, with elements from different photos used to create a large frieze that adds texture to the bright and open space

LED solution provides powerful high level signage

isGroup worked closely with SloanLED LED systems and Applelec to create high level signage for the rainforest themed, crazy golf establishment, Treetop Adventure Golf.

Housed within Printworks Manchester, isGroup manufactured "attention-grabbing" signage for Treetop Adventure Golf as part of the launch of their first English venue. In keeping with the existing signage, the logo was designed to deliver a commanding statement piece while revealing the architectural character of the Grade II Listed building.

"The high performing LEDs provide powerful, homogenous illumination, achieving impactful signage that stands out among the other tenant branding"



Stretching 6350 x 2552mm in overall size, the large format signage consists of built-up, rim and return, illuminated letters which were manufactured with green and ivory acrylic faces to align with Treetop Adventure Golf's brand colouring. At 592mm in height at their tallest, the letters were integrated with SloanLED's 6500K Prism Mini modules where the crisp, white colour temperature of the LEDs deliver bright and smooth face illumination.

Built-up, rim and return, illuminated letters were manufactured with green and ivory acrylic faces to align with Treetop Adventure Golf's brand colouring

The built-up letters were mounted onto a slim, aluminium sign tray to form the first layer of the logo and anchors the signage to the Printworks façade. Manufactured in sections to suit the exterior framework of the building, the 100mm depth sign tray was shaped to replicate the Treetop Adventure Golf's wooden plaque design. Recreating the appearance of distressed timber, the sign tray was wrapped in external graded, digitally printed vinyl, where the wood grain effect added the textural detailing required for the logo.

Tracing the outline of the aluminium sign tray, lengths of SloanLED's green FlexiBRITE LED system was integrated and shaped to precisely follow the rustic rough edge of the wooden plaque design. Creating a mixture of meandering lines and acute angles of light, the LED solution was easily configured into the difficult positions, achieving vibrant, neon-style perimeter illumination.

Paul Dyke isGroup's sales/technical director says: "We specifically selected SloanLED's FlexiBRITE as we knew the LED system would deliver the premium quality required for this project. The colour rich solution closely matches the vivid green of the Treetop lettering, which helped to create a cohesive and stylish design. In addition, the high performing LEDs provide powerful, homogenous illumination, achieving impactful signage that stands out among the other tenant branding."

www.applelec.co.uk



Lengths of SloanLED's green FlexiBRITE LED system was integrated and shaped to precisely follow the rough edge of the wooden plaque design

Graphics printed on adhesive media for festive pop-up shop

Globe Park Print Store completed a multi-application project for skiwear brand Perfect Moment using Drytac media, in place for just one day.

Perfect Moment contacted Globe Park Print Store to print and install the hundreds of graphics required for a festive pop-up shop showcasing its winter sportswear before Christmas. The turnaround was short but the list of applications was long, as Globe Park Print Store explained.

"When a client asks you to do a print and install project for one night involving 475 printed graphics in three hours, what do you say? This was such a great (if brief) project to work on. We used Drytac media to print the graphics for Perfect Moment; we think this is pretty special, especially for getting into the festive spirit."

Globe Park Print Store used several Drytac products, supplied by CSL Digital comprising 60 star-shaped wall graphics on ReTac Smooth 150 Gloss; 60 star-shaped graphics on ReTac Textures Sand; 60 table stickers on ReTac Smooth 150 Matte; a 12m panoramic wall graphic printed on ReTac Smooth 150 Gloss; 10 x 4m rink graphics and four 2m wall graphics printed on ReTac Smooth 150 Gloss; seven backlit displays on Revel Backlit; several large hanging signs printed on Polar Grip Matte; and window graphics printed on ViziPrint Impress Clear.



Window graphics printed on ViziPrint Impress Clear

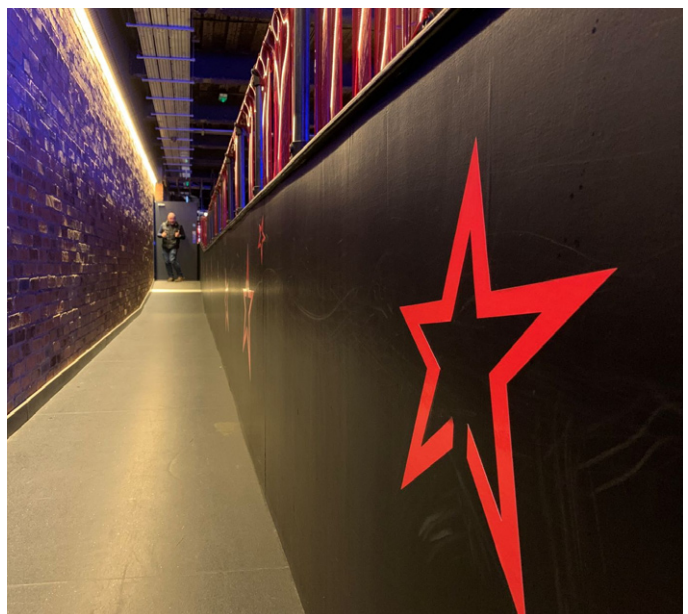
All of the above solutions are designed with Drytac's adhesive technology. The ReTac range has been developed for easy application, removal and repositioning, making it "the perfect choice for very short-term projects including exhibitions, retail campaigns and the

Perfect Moment pop-up". A short video of the project can be found at: <https://www.youtube.com/watch?v=kUG3PiD2GIE>

www.drytac.com



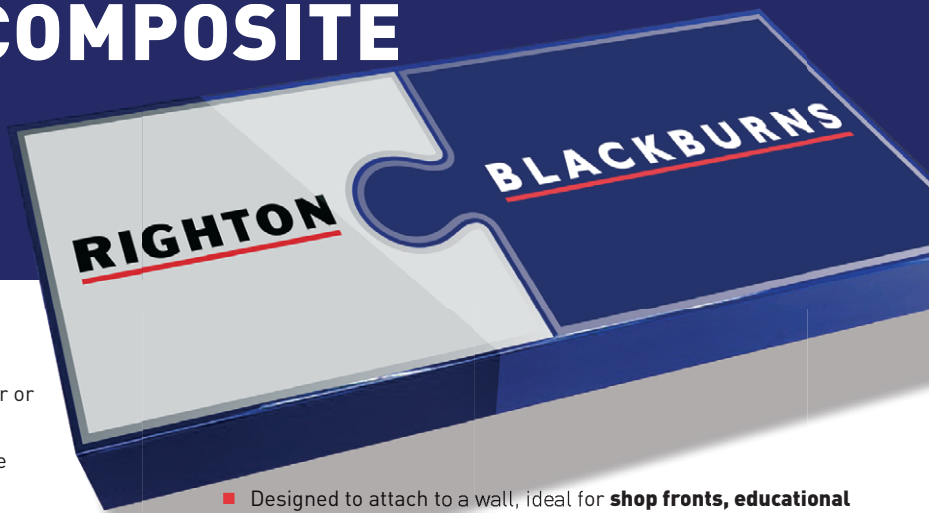
Several large hanging signs were printed on Polar Grip Matte



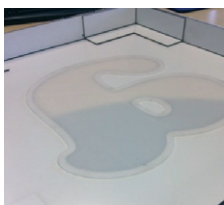
Star-shaped graphics on ReTac Textures Sand

ALUMINIUM COMPOSITE SIGN TRAYS

specifically manufactured for sign makers, printers, shopfitters & point-of-sale manufacturers



- Manufactured to order, using the **latest folding technology** and bonding adhesive
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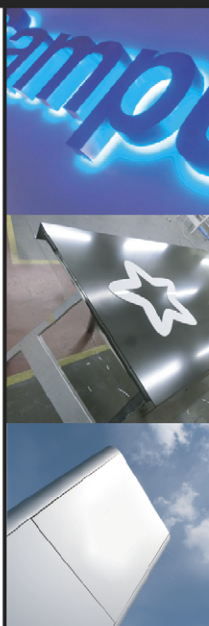
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Digital displays and wayfinding signs upgraded at Leeds Playhouse

Digital solutions provider UXG has completed a project to upgrade the digital strategy and wayfinding media for Leeds Playhouse, as part of the theatre's eight-figure transformation.

The redeveloped Leeds Playhouse includes upgrades to the Quarry and Courtyard theatres, a studio space named the Bramall Rock Void, revamped front of house spaces, a city-facing entrance and improved access throughout the building.

The digital displays and integrated software platform have been implemented over a three-month period by UXG which designs, manufactures and installs bespoke digital solutions for branded environments. The project delivery has included implementing a large format 6x3m outdoor LED display (Digital 48 sheet) alongside a mixture of freestanding and wall-mounted external high bright advertising and wayfinding displays.

"The new digital strategy perfectly encapsulates our aspirations to be a leading cultural destination in the North"

Internally, there is a spectacular feature LED display in the entrance running up three floors and over 45 high definition wall-mounted screens showing a mixture of content from box office releases and menu displays to live feeds from within the theatres.

Robin Hawkes, executive director at Leeds Playhouse, says: "This is the beginning of the next big chapter for Leeds Playhouse and a major part of our transformation is ensuring that the internal and external appearance is attractive and inviting to embrace and engage with the Leeds City Region and beyond."

"As a fellow Leeds business, UXG understood our heritage and how this shaped our vision for the future. The new digital strategy has perfectly encapsulated our aspirations to be a leading cultural destination in the North."

Based in a 14,000 sq ft design and production facility in Leeds, UXG employs 29 people and clients include Sports Direct, Dixons Carphone, Halfords and The Broadway Bradford.

UXG's head of sales and development Paul Midwood says: "Leeds Playhouse is an iconic cultural institution so it's exciting to have been a part of a transformative project that will breathe new life into the much-loved theatre."

"With over 36 years' experience in the industry, we understand the huge positive impact that great branding has on customer footfall and engagement. We're confident that the Playhouse's new identity will enhance its established reputation in the city and beyond."

www.uxglobal.co.uk



The project involved implementing a large format 6x3m outdoor LED display (Digital 48 sheet) alongside a mixture of freestanding and wall-mounted external high bright advertising and wayfinding displays

UK sign industry needs to boldly go

Sue Deane had the opportunity to speak with FASTSIGNS global CEO Catherine Monson during her UK visit in December when she urged businesses to “be bolder” with their graphics. Catherine spoke about the key differences in the UK and US markets and where the growth opportunities lie.

What are the major differences between US and UK sign & display markets and what can they learn from each other?

I would say signage used on buildings and vehicles in the UK is more minimalist and understated compared to the US, where businesses tend to be bolder and make use of all available space to inform customers. During my trip, I have been perturbed by the number of vehicles such as white vans and lorries that I have seen with no graphics, livery or information on them. I've seen warehouses that are failing to adequately utilise the space to better demonstrate what the company does.

I think this is a key difference. Proprietors of business in the US are attuned to the value of consistent branding and message delivery, they utilise every available surface or platform to aggressively advertise their brand and services. Although to a UK eye this might seem gregarious, I think businesses that don't make use of their advertising opportunities are potentially missing opportunities to attract and win new business.

Business locations appear to be smaller here in the UK and may be subject to stricter planning regulations than the US so this could account for why business tend to restrict their visual display. Although there are many signage options that can be used to cleverly showcase branding and be deemed appropriate for planning regulations.

A further significant difference is that the US has far more digital billboards in many cities but I've seen very few here. I see this as being a huge area for opportunity in the UK. The UK market is developing but is perhaps five years behind the US. However, that's not necessarily a bad thing; it means UK businesses can learn lessons from their counterparts across the Atlantic and only take on board strategies that have worked. While the UK could be bolder with its visual communications, the US could benefit from being a little more understated at times.

What are the advantages of joining a franchise?

Uncertainty often stops people making big decisions and currently one of the biggest



“This is an exciting time for the UK signage industry and there are increasing opportunities in digital signage”

unknowns in the UK is how Brexit will affect the sign business. The first question any potential franchisees should ask is whether they want to work for themselves or for someone else and whether or not they want to be part of an established brand. There is no right or wrong answer to this; you can be successful as a franchisee or an independent. Of course, there are advantages to being part of a proven brand where the operations, marketing, brand positioning and training is taken care of, leaving you to concentrate on execution. FASTSIGNS is celebrating 25 years in business in 2020 and, despite the uncertainty, the number of locations continues to grow.

Are there significant differences between the US and UK in terms of running a franchise?

While there may be slight cultural differences, the UK and US share many

similarities, including a common language and values. However, a US business owner probably thinks more about graphics and will try to make the most of every square foot of their unit. This applies just as much to interiors as exteriors where you see more graphics on the floor and windows as well as on vehicles.

UK businesses, restricted by council regulations on the exterior of the building, can use interior graphics in the window space to maximise their messaging. In terms of running a franchise, we have our core model that accounts for our brand, our processes and product offering, this is the same in each of the 10 countries we currently operate in. Even so, we have to recognise the political, economic, social and cultural influences that each country's business infrastructure works under and then look to mould our brand to fit it.

Where there is an opportunity for signage, there is an opportunity for a FASTSIGNS franchise to enter that market, we wouldn't compromise our brand in any way but we can be flexible to help create the best positioning for our brand. In the UK we have a team of business professionals who operate the support team and act as a conduit between the US corporate team and UK franchise market. They take the US model and adapt it to facilitate their network in the most effective manner. The benefit of this approach is that UK franchisees get an international service with local delivery.

How do you see the future of the franchise model in the UK?

The US and UK have a long-standing relationship with a common outlook, values and language and this will continue. Our UK and US franchisees are part of the wider FASTSIGNS family and we are committed to providing training and support to all of them.

This is an exciting time for the UK signage industry and there are increasing opportunities in digital signage. A further growth area is immersive, experiential graphics that are, for instance, being used to enhance work places.

www.fastsigns.co.uk

Simple to fabricate and fit in all manner of configurations

Flat-faced monoliths, v-shaped, triangular, right angled and three-sided applications are all possible using Nova Aluminium's pole and plank system. Director Paul Vickery explains how a large number of configurations are possible using just 15 profiles.

Pole and Plank, the external extruded aluminium directional system from Bristol based trade supplier Nova Aluminium, ticks all the boxes to produce eye-catching signage both easily and cost effectively when you want to let people know which way to go.

Utilising just 15 profiles allows a large number of configurations to be achieved. Fabrication couldn't be simpler as only straight saw cuts are required.

This system comprises six posts: four at 78mm consisting of a square and D post and two round posts, one of which allows for angled and three-sided construction. A larger, round post at 125mm gives the option to manufacture signs up to 5 metres in height.

An attractive wall-mounted quadrant post complements the system along with a reversible adaptor which is used to close off all posts in the range.

All the posts are extruded with a facility to accept standard steel inserts should strengthening be needed. Pole and Plank has a unique housing arrangement which ensures that all the systems planks and header panels are secured snugly and



Additional profiles enable the system to achieve shaped units including right angled, three-sided and triangular.

easily into the posts with no unsightly fixing method on show.

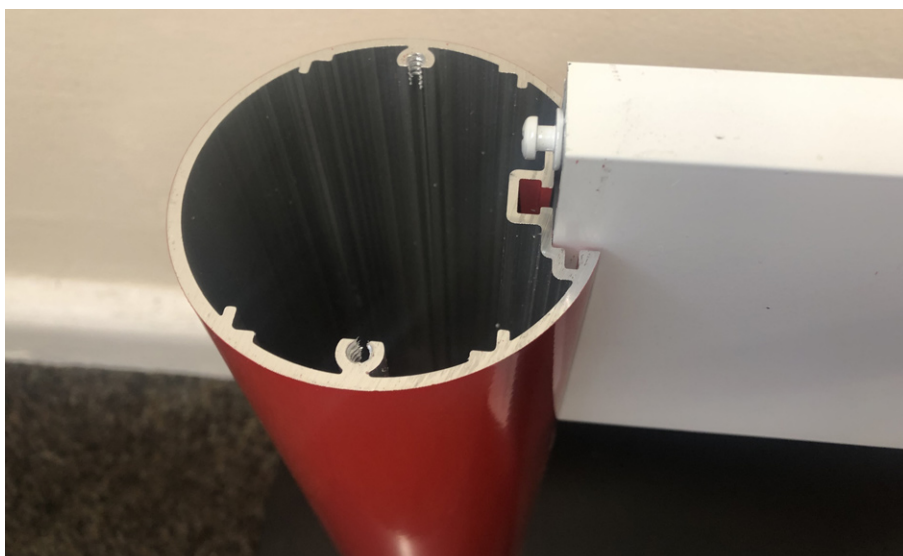
Pole and Plank has three standard double-sided extruded planks at 100mm, 150mm and 200mm. Header panels are fabricated using a profile top and bottom which accepts a 2mm rigid sheet either side

using VHB tape; panels can be manufactured up to a size of 3m x 1.5m and make use of an internal strengthening bar again using VHB tape to ensure rigidity throughout the double-sided panel.

Planks and header panels have screw ports top and bottom within the extrusion that accepts a shoulder screw known as the location pin which is driven home in all four corners. This allows for the plank/header to be offered into any of the systems posts by engaging the protruding screw head into the relevant internal channel, giving a secure fixing within the post. The reversible adaptor is then used to separate planks/panels and to close off the bottom area of the post.

Additional profiles enable the system to achieve shaped units including right angled, three-sided and triangular. The quad slot round post and the V carrier working with the standard round post gives the signs designer plenty of options including using the quad post as a central support should signs over 3 metres in length be required.

Pole and Plank can be used as a budget option by omitting any planks or panels and using the composite carrier profile



This system comprises six posts: four at 78mm - a square and D post and two round posts; a 125mm round post gives the option to manufacture signs up to 5 metres high.

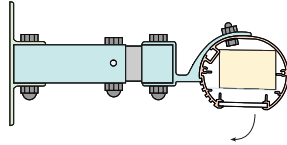
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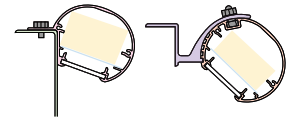
NOVATUBE

An 80mm diameter innovative overhead lighting system giving perfect LED illumination to all types of signage. The system has 5 fixed tilt positions and a 60mm reach telescopic arm giving the installer multiple options.



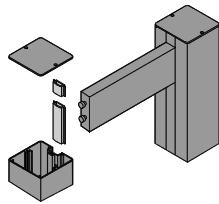
NOVAHOOD

A 'fast fix' option ideal for sign trays and pole and plank installations. NovaHood remains in a fixed position and is good for a wash up to 650mm. When using the NovaHood bracket you maintain the 'fast fix' method and get a projection of 20mm with the added choice of 5 tilt positions.



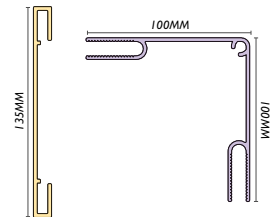
POLE & PLANK

Easy to use aluminium wayfinding system. A simple four point contact offers both extruded planks and fabricated header panels into any of the 3 posts and the wall mounted quadrant, making installation simple. Create small monolith standing signs with the Box 78 section with both the D and square post.



PALLETWRAP

A unique system which allows for repeated advertising around the base perimeter of a standard loaded pallet. The system allows for changeable advertising cards for when pallets are used as 'centre aisle' shelving in store. Corner facilities within the system accept 'flag' messages such as offers and pricing.



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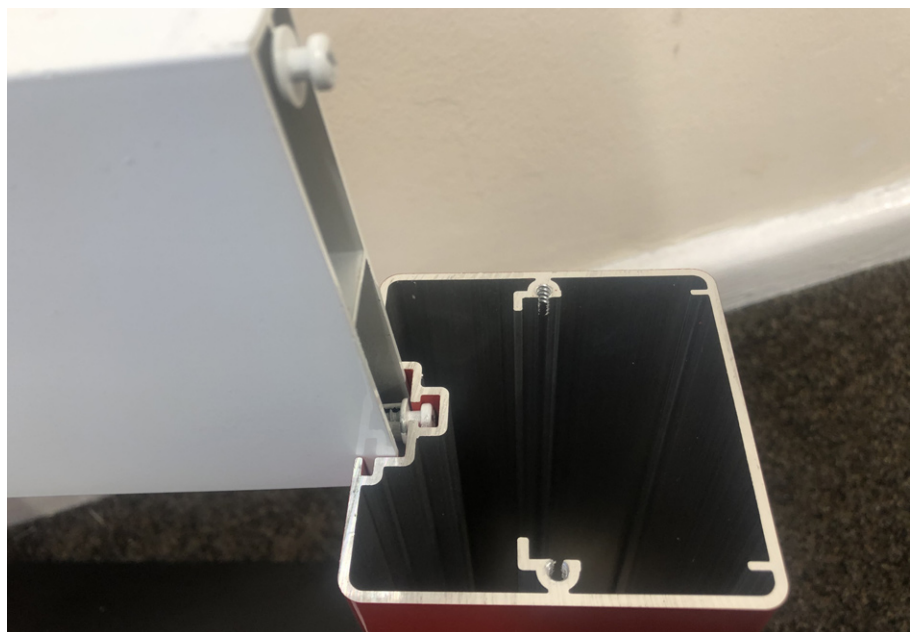


which also accepts a 2mm rigid sheet using VHB tape.

This section works with any of the round posts; the location pin is not required as the profile has been extruded with the same seating arrangement as the reversible adaptor so will slide into the post, allowing for a competitive option for single sided smaller signs. The profile we call Box 78 offers the opportunity to produce small to medium sized, flat faced monolith signs with a simple but very effective solution.

Again, using a 2mm rigid sheet such as aluminium or ACM which is bonded to the profiles front edges using VHB tape gives a flush neat appearance to the visual area. Both the D or square posts can be used with Box 78 and panels can be fret cut and internally illuminated if required.

An additional post is available, again at 78mm which is a utility post. This sturdy round profile can be used in wide range of applications including adapting any of the systems double sided planks for finger post signage when used with the aforementioned V carrier. The post has 10 slots which will accept an M6 bolt head and has an inherent strength due to its design. Nova supplies an



All the systems planks and header panels are secured snugly and easily into the posts with no unsightly fixing method on show.

extremely easy to use internal aluminium directional/information system; NovaSlat incorporates five extruded slats at 40, 60, 80, 100 and 150mm depths. A wall track fitted at either end allows for planks to be offered into the profile from the top and

simply stacked to produce the desired format before closing off with the track end cap. Wall mounted signs up to 1200mm in width can be produced using NovaSlat.

www.nova-aluminium.com

Modular curved frame technology provides versatile solutions

Modular curved frame technology has been at the forefront of Vista System International's directional signage offering. Business development manager Pnina Kedar Feldman explains how its versatility has revolutionised the market.

The world of visual communication met Vista System for the first time 25 years ago in the form of the flagship modular curved frame technology (MCFT) wayfinding system that revolutionised the business of directional signage. By securing the graphics using only the curved frame's tension, the signs were both sleek, easy to handle, versatile for use and beautifully designed.

Vista's vision for a modular signage system that provides a solution for any signage project has since branched out exponentially to incorporate a wide array of wayfinding families, all under the Vista brand name appealing to any taste and requirement. Vista product families share



Vista TWC suspended signs are extremely lightweight, cost effective solutions for any interior or exterior signage project.

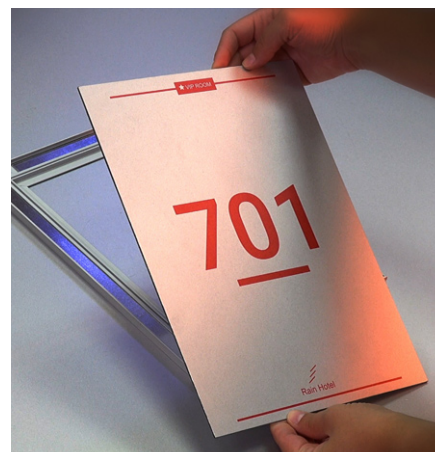
several common traits: aluminium extrusion frames; fast and easy graphics change; easy assembly and installation; timelessness and durability.

Signage types range from wall/door frames; suspended signs; double-sided pylons and post signs; directories; flag, table and corner signs; name tags; light boxes; curved illuminated signs; and extra-large external signs.

Aluminium was the material of choice and remains so for its light weight, strength and recyclability. All Vista signs can withstand years of use without corroding or acquiring unwanted patina. The end caps are usually made with ABS plastic, sometimes aluminium.

Vista frames do not function as actual signs until graphics have been added to them. All receive a variety of graphic substrates, either flexible or rigid in nature, in accordance with the requirements of the project and design of space.

Smaller sign frames, where graphics need to be changed frequently, work best with softer/ flexible graphic substrates including paper, vinyl, acetate, film or even faux leather and some thicker textiles or non-woven materials that can be printed on and inserted. Larger signs, commonly positioned in high traffic locations or exposed to the elements, work best with more rigid graphic substrates such as Di-Bond, perspex, acrylic, sheet metal and even wood. All Vista signs can be fitted with ADA lenses keeping up with worldwide regulations and legislation. Consult your Vista expert to learn more about materials and uses. Our customers



Vista Sharp wall frame is assembled from four extrusions and Di Bond.

are sign makers and visual communication companies and as such, they are providing a service to their end users and usually open for suggestion, even if they come with their own agenda.

Sign makers generally look for functionality, design, coverage (various solutions for the project) and cost effectiveness. Budget is often a key factor in choosing a signage system. On the other hand, sustainability, durability and independence are important for the end users who eventually need to decide.

Vista has remained true to form in its 25 years in business, providing mainly 'analog' sign frames as its core business. Moreover, it has searched and found various ways by which to make its solutions more cost effective over the years, for example: saving quite a bit on



Vista Sharp pylon: flat and frameless frame with two metal supports. Ideal as interior sign for public places eg shopping malls, theaters, offices and banks.

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heavy aluminium frames by reducing the quantities to side panels instead of a whole profile (as can be seen in the Vista Curved signs). Additional improvements include lighter and stronger brackets, back panels and accessories.

Although rumour has it that the world has gone digital in the past decade or so, it is not entirely true. Digital signage fits some projects but not all of them. It is expensive, depending on external utilities and service providers (electricity, communications, internet) and does not fit every need.

Once again, Vista rose to the challenge and started marketing Vista Digital, a line of freestanding and mounted kiosks that can be fitted with digital screens. The idea is to supply the hardware minus the digital screens and software that go with them. Those can be provided by the visual communication experts who work with us.

Vista produces and delivers the signs either assembled, semi-assembled or disassembled. Instructions can be provided for more complicated sign frames, although generally speaking, these are rare. The idea behind our signage solutions is that it is all very simple and easy.

Sign makers need to design and produce the graphics, insert it into the frames and install in the desired venue. The main benefit is that their clients, who often need



Vista TWC wall frames are extremely light, cost effective systems.

to change graphics, will be able to continue replacing it easily and frequently as they like, by printing the new graphics in an office printer and replacing it in the sign. Thus, end user stay independent and can use the sign for years to come.

Any sign maker who wishes to work with Vista does not need any special training. Over the years, Vista developed a specific program for customers who wish to receive an added value so they can

proudly sell and promote their products to their end users. Those who sign up to The Ambassador Program receive an online training, package of marketing tools (for a symbolic fee) and further benefits. Vista already has more than 5000 such Ambassadors worldwide and it continues growing as new visual communication firms emerge.

In recent years Vista launched its distribution program, recruiting exclusive distributors in specific countries with the sole purpose of extending its phenomenal service to every corner of the world.

Realising that the best service is always going to be given when there is a local entity who speaks the local language, works in the same time zone and knows the market Vista has already recruiting 18 exclusive distributors worldwide and the sky is the limit.

SignComp Europe has been Vista's exclusive distributor in the UK for almost two years ago, operating ever since from their headquarters in Horsham. This year is already showing greatness to Vista worldwide as it is growing in numbers, increasing operation in several continents and never rests on its laurels, with constant innovations and ideas to take us all into a new decade.

www.vistasystem.com
www.signcompeurope.com

Creating a common identity

Wayfinding is defined as spatial problem-solving using information systems to guide people through a physical environment and help their understanding and experience of the space, writes Stephen Ferrie, director of iSpi Trade.

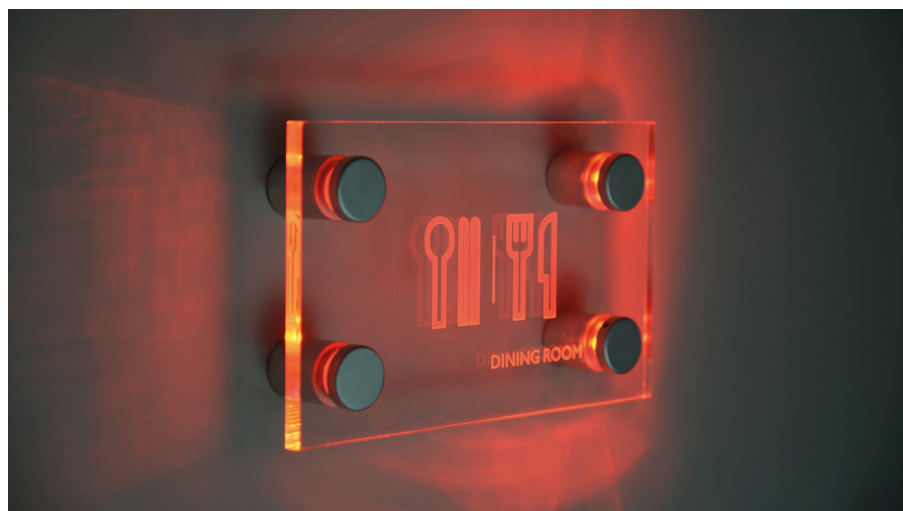
Essential in complex building environments like universities and hospitals and beneficial in less challenging locations, we receive regular orders from sign installers, local authorities, university maintenance departments, hotels and facilities management companies.

The initial design and installation of the signage will usually fall to a design or sign company with any updates, repairs and replacement under the remit of internal maintenance or the FM. It is important to ensure the initial concept takes expansion and change into account as it can often lead to confusion when a new or updated location is sandwiched into an existing wayfinding plan.

We often take directional signs for granted but let's be honest, without them we would all be wandering around asking for directions. Several vital factors are crucial when planning wayfinding signage and should be upmost in your customer's mind when mapping their project.

Visual icons

The key is creating a common identity throughout the signage with variations of colour or symbols for different departments. This visual difference helps alleviate the need for overly wordy signs or language variations. Use visual icons of buildings or landmarks and recognised symbols to provide orientation clues to



LED sign fixings are perfect for low light hallways and an RGB variant will soon be introduced by i-Spi Trade.

help guide people to the right location and keep choices to a minimum where possible which will reduce confusion.

It is crucial that signage is in the 'line of sight'; this will make it easier to view from a distance and help ensure quicker navigation. A further significant factor is lighting; in areas of low light or outdoor signage you need to factor in how they will be illuminated to ensure they can be read at any time of day or night.

Safety signage

Employers have a legal duty to maintain safety signage in their buildings and campuses, explain unfamiliar signs to their employees and tell them what they need to do when they see a particular safety sign. There are various categories of signage which all have different legal requirements. Prohibition signs, 'Do Not' commands, No Smoking, for example, may be part of legal legislation but can be used to help enforce building or company policy. Signs including Warning, Mandatory, Fire and Supplementary Safe Condition Signs indicate exit routes in the event of a fire or emergency and form part of the illuminated signage legislation.

For full details of signage legislation visit: <http://www.hse.gov.uk/pubns/books/l64.htm> to download HSE guide to Safety Sign and Signals.

Most products in the iSpi Trade online shop are used in wayfinding; these include sign standoff fixings used throughout offices, shops, hotels and hospitals.

Sign fixings provide the perfect finish to any wall-mounted signage. I'm sure you have been asked: can we get them in gold to match the handles? Well you can at iSpi Trade; our range of sign fixings and screw head covers come in a wide range of finishes to match any colour scheme.



Use visual icons of buildings or landmarks and recognised symbols to provide orientation clues to help guide people to the right location and keep choices to a minimum

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Lockable fixings

A further key feature of our products is the security provided by our lockable fixings; these are ideal for schools, prisons and anywhere the possibility of tampering is an issue. The loss or vandalism of signs can cause significant headaches for those responsible for maintenance or FM.

Our range of LED sign fixings are perfect for low light hallways and we will shortly introduce an RGB variant which will allow the LED lights within the sign fixing to



It is crucial that signage is in the 'line of sight'; this will make it easier to view from a distance and help ensure quicker navigation.

change colour by remote control. We also offer LED sign clamps used for directional signage and safety signs.

A significant change in wayfinding signage is the use of LED window display systems. Once the preserve of estate agent's windows, we see increased sales and enquiries from universities, schools and building managers who see these as the ideal solution for providing directions and



information during the hours of darkness. We will be adding A1 size LED display systems to our product range after successful trials with several customers. Uses have ranged from signposting staff to a temporary location in use during the day and evening, another being used at a university to display precautions and contact information about the coronavirus.

www.ispitrade.com.

Contemporary style fingerposts for modern, minimalist look

Designed to sit in harmony with the slender and minimalist style of modern street furniture, the Waypoint fingerpost from Signscape and Signconex benefits from seamless joints and sockets and includes concealed security fixings. It has a premium and contemporary style with a strong and highly robust design, says the company.

The 20mm thick, double-skin finger arms combined with 100mm diameter round post makes it a highly robust and durable system, suitable for the rigours of large public and city centre locations.

“Waypoint’s intelligent socket design provides rigid horizontal alignment (no drooping arms) even if all eight mounting positions are used per level,” says Matt Clapp. “It allows for direction adjustment per level once installed, which can prove highly valuable.”

“Offering the prestigious look of more expensive rivals but without the price tag, the Waypoint fingerpost while being able to offer the enhanced rigidity and vandal resistance lacking in cheaper alternatives.”

With a choice of 100, 150, 200, 250 and 300mm high arms, the fingerposts also offer stylish cylindrical post finials or end caps to provide a classy finish.



A robust and modern fingerpost system was designed for the multi-million-pound Battersea Power Station development in London.



Waypoint has a premium and contemporary style with a strong and highly robust design.

Signscape and Signconex was given the opportunity to work with the design agency 442 Design, tasked with sourcing a robust and modern fingerpost system for the multi-million-pound Battersea Power Station development in London.

“442 Design contacted us to provide the right system for the site, one that offered the ability to add new locations to an ever-changing environment at the power

“Offering the prestigious look of more expensive rivals but without the price tag, the Waypoint fingerpost while being able to offer the enhanced rigidity and vandal resistance lacking in cheaper alternatives”



station,” explains Matt. “We have been back to site multiple times to add new upgrades/ changes to the installed waypoint fingerpost system as new shops and amenities are built. With the ability to add new directions after the fingerpost is installed is one of the main benefits of the new Waypoint design and a key factor for Battersea Power Station to use this modern contemporary system.

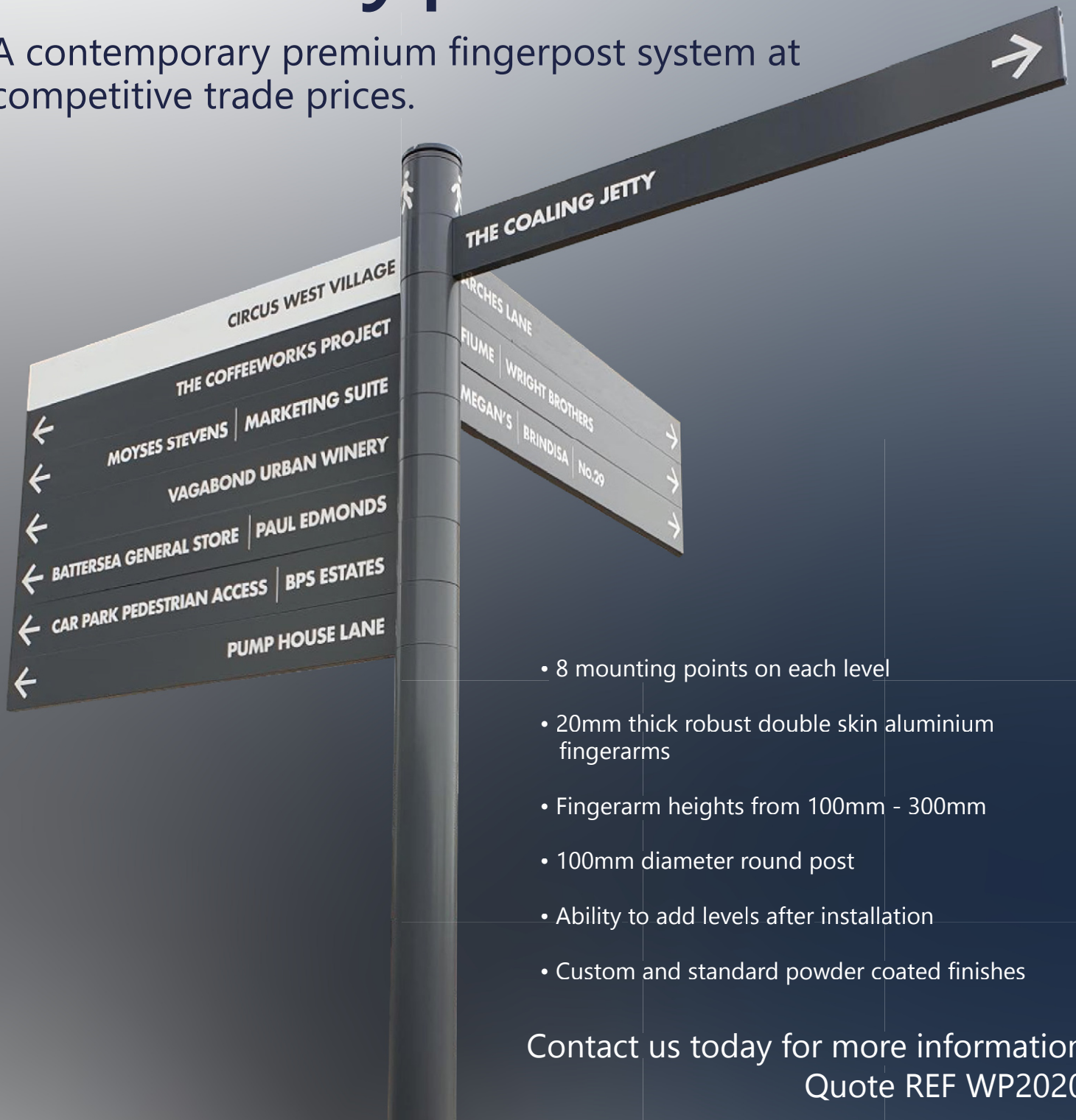
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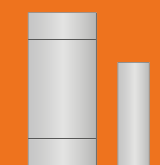
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Wayfinding ■ Noticeboards ■ Letterboards





Mimaki to distribute OKI inkjet printers

On 6 January 2020 Mimaki Engineering and OKI Data Corporation concluded an exclusive international sales agreement for the distribution of OKI Data's wide format inkjet printers. Under the terms of this agreement the two companies will expand their sales alliance in Japan, announced in March 2019, to encompass overseas sales.

From 1 April 2020 Mimaki Engineering will sell OKI Data's wide format inkjet printers, ink and other supplies and maintenance parts in overseas markets through Mimaki Engineering's international sales network.

The products covered by this international alliance include OKI Data's two wide format inkjet printers capable of high speed, high density printing: the ColorPainter H3-104s and ColorPainter M-64, as well as ink and other supplies for these models and for other OKI Data's wide format inkjet printers previously sold by OKI Data. Mimaki Engineering will initiate sales and maintenance of these products on 1 April.

Mimaki Engineering develops, manufactures, sells and maintains



Products covered by this international alliance include OKI Data's ColorPainter M-64s.

commercial inkjet printers, cutting plotters and the ink and software used with such products. Backed by an international dealer network in 150 countries, Mimaki Engineering says it delivers a comprehensive environment for delivering peace of mind to customers. OKI Data concluded this agreement based on its high regard for Mimaki Engineering's

technological capabilities and sales and maintenance performance in the wide format inkjet printer business and its judgment that the alliance will make it possible both to continue serving existing customers reliably and propose solutions to even more.

www.mimaki.com

ArtSystems joins leading trade associations

As part of its ongoing focus on promoting application awareness, ArtSystems has joined four leading trade associations in the fields of printing, design and signage.

The Nottingham-based distributor has become a member of the British Institute of Interior Designers (BIID); FESPA, a global federation of 37 national associations for the screen printing, digital

printing, and textile printing community; the British Printing Industries Federation (BPIF); and the International Sign Association UK (ISA UK).

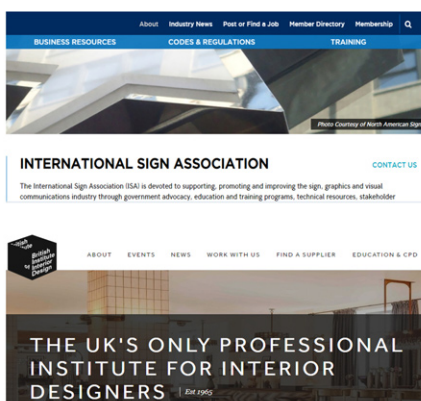
Manager director Steve Hawker says: "The key benefit to these associations is that they provide access to in-depth industry knowledge in a focused, non-sales environment, enabling fuller

assessment of the true benefits of the latest technology for our vendors and their customers' businesses. In tandem with the associations and our connections with leading edge manufacturers in the industry we will be working to develop and host applications seminars such as our forthcoming Wide Open Forums plus our continuous professional development (CPD) events, which will be run in partnership with the most relevant associations.

"At the heart of ArtSystems success is a culture that supports strong, long-term outcomes through worthwhile education and engagement with our industry, rather than a hard sell. We don't expect our vendors to move boxes for profit and walk away; we provide value-added solutions, building toward mutual success. We have selected our association partners carefully as we have our vendors.

"Our portfolio includes the leading manufacturers in our industry and they deserve nothing less than the best."

www.artsystems.co.uk



ArtSystems has joined four trade associations in the fields of printing, design and signage.



Free laminator and 3-year warranty available for limited period

UK and Ireland Mimaki distributor Hybrid Services has announced further enticement to companies looking to invest in Mimaki's technology by offering a free LA-160W laminator alongside a 3-year Gold warranty on Mimaki's super-fast, wide format JV300-160plus solvent printer and CJV300-160plus integrated printer/cutter, for a limited period.

The Mimaki LA-160W offers laminating speeds of up to 7.5m per minute, is simple to use via control panel and includes a comprehensive one-year warranty. The LA-160W features convenient access to the pressure handle and foot pedal and a take-up reel enables one operator to control the entire process.

"The Mimaki LA-160W laminator is another example of Mimaki's innovation bringing a turnkey offering that, when combined with the print and cut capabilities of the Plus Series, will help companies drive more profit to their bottom lines," comments chief operations manager Brett Newman. The 3-year Gold Warranty on the new Plus



A free LA-160W laminator and a 3-year Gold warranty is offered on Mimaki's JV300-160plus solvent printer and CJV300-160plus integrated printer/cutter for a limited period.

series printer and printer/cutter which was announced before Christmas, includes unlimited parts and is inclusive of all print heads, giving a substantial saving.

"The new Mimaki JV300plus printer and CJV300plus printer/cutter provide high print speeds and low running costs," continues Brett. "This further incentive creates an opportunity to invest in

Mimaki's award-winning technology that should not be missed."

The Mimaki JV300-160plus and CJV300-160plus are available for demonstration at Hybrid's Cheshire showroom as well as at their Authorised Reseller Partners' premises across the UK and Ireland.

www.hybridservices.co.uk

Canon and OneVision form partnership

Canon Production Printing has partnered OneVision to offer large format graphics customers in Europe improved operational efficiencies through end-to-end workflow automation and achieve seamless integration between large format printers and software.

With OneVision's Wide Format Automation Suite, print service providers working with Canon's Colorado roll-to-roll and Arizona flatbed printer series can now increase productivity and reduce waste to support growing production volumes. Michele Tuscano, vice president large

format graphics, Canon EMEA says: "Customers need to turn work around faster to meet demand, while at the same time minimising resources. Our large format printers are getting faster so customers need a workflow solution to keep up with these increased speeds without compromising on quality.

"OneVision's Wide Format Automation Suite provides the solution. Customers can now automate production to run their operations more efficiently, grow their print volumes with confidence and increase profits."

The software automatically picks up the job data, creates print files and checks them against 130 different error criteria, automatically correcting errors identified. With the Wide Format Automation Suite "perfect print-ready files are created in seconds". The software prepares the job for the finishing process by automatically generating cut line PDFs, saving time and effort, "with pinpoint accuracy".

www.canon.co.uk



Canon and OneVision are delivering end-to-end workflow automation to large format customers in Europe.



Promic and Jansen merge to become Showdown Displays Europe

Promic Display Systems and Jansen Display have joined forces under the name Showdown Displays Europe. In October 2018 Sign-Zone (a leading display manufacturer in the North American market) became the owner of Jansen Display and in May 2019 Promic became part of the Sign-Zone Group.

After operating as independent entities, it soon became clear that the two companies would be even stronger together. Both Promic and Jansen have

built a strong reputation throughout Europe as providers of high quality displays and signage systems. With the merger, Showdown Displays Europe says it will be the largest supplier and manufacturer of promotional signs, display systems and POS materials.

"With our mutual drive to deliver quality for the right price and our ambition to become the first choice for resellers, Promic and Jansen Display have joined forces," says Vít Zajíček, president of Showdown

Displays Europe and former CEO of the Jansen Display Group. "This merger allows us to achieve our goal of providing our customers with the best service. When it comes to our product range, Promic and Jansen Display really complement each other. Together, we can offer a range that completely covers our customers' needs for illuminated signs, photo back walls, digital displays and hospitality equipment."

In addition to expanding its product range, Showdown Displays is working on further developing its printing services.

"Right now we are in the last stage of setting up a new printing hall at our manufacturing location in the Czech Republic," says Vít. "Bringing high end products and quality prints together, our reseller customers can now come to us for all-in, ready-to-use display products. We are now the one-stop-shop for their success story. As of May 2020 we will completely switch to the name and the new visual style of Showdown Displays."

www.showdowndisplays.eu



Promic and Jansen have built strong reputations as providers of high quality displays.

Antalis announces universal carbon offsetting

Antalis UK has announced that all material purchased from its papers, packaging and visual communications ranges can now be carbon offset, with some paper ranges already supplied as fully carbon balanced, to ensure that it can serve the needs of interested customers and help them achieve their environmental goals.

Working together with partners from Forest Carbon and World Land Trust, Antalis is able to calculate the kilograms of carbon emissions it takes to procure any material type including plastics, aluminium composite material and nylon.

These carbon credits can be purchased by customers to support the creation of new UK woodlands (via Forest Carbon and the Antalis Woodlands); preserve global forests (via Forest Carbon in South America or a World Land Trust project in Vietnam); or a blend of all three options.

Antalis' partner Forest Carbon "leads the way in voluntary carbon woodland creation in the UK and abroad". Since 2006 it has

planted more than 8 million trees in the UK and a further 2.5 million overseas, equating to the removal of over 2.5 million tonnes of carbon dioxide from the atmosphere. In collaboration with World Land Trust through their Carbon Balanced Paper scheme, Antalis is enabling its customers to balance the unavoidable carbon emissions of paper-based

products. The money raised supports World Land Trust projects in Vietnam, one of the most biologically diverse countries on Earth. To date, 16,000 acres of standing forest at threat of clearance has been protected. World Land Trust has enabled approximately 169,000 tonnes of carbon emissions to be absorbed every year while protecting 41 threatened, endangered and critically endangered wildlife species.

CSR manager Matthew Botfield says: "Sustainability is at the heart of what we do. Every day, we are working toward reducing our own environmental footprint while providing innovative solutions to our customers. Antalis is proud to support customers in offsetting their own carbon emissions and to give them clear choices in support of UK or global schemes.

"Both our schemes are backed up with relevant certificates and logos to help them reassure their customers that they are operating as sustainably as possible."

www.antalis.co.uk



Colleagues from Commercial Ltd, Cheltenham, join Antalis and Forest Carbon for a tree planting day.

Atlantic Tech now UK distributor for NUtec UV and solvent inks

Atlantic Tech Services has been appointed UK Distributors for NUtec UV and solvent ink products. Atlantic will supply the range alongside its ColourSURE solvent and latex range of inks.

NUtec inks are said to provide vibrant colours with excellent adhesion properties at competitive prices aimed to reduce costs and improve print quality and printer performance. NUtec high performance inks are now available nationally in 500ml cartridge, 1 litre bottles and 1 and 2 litre bags for bulk inking systems such as the Mimaki MBIS system.

NUtec Amethyst A20-RTR-M1 UV Inks include the NUtec Amethyst A20-RTR-M1 in 1000ml bottles which have been optimised for the Mimaki JFX and UJF series flatbed printers and designed for a wide range of rigid applications.

A high density colour ink that, it features a "superior colour gamut for bright, vivid images and superior media adhesion that cures with LED UV lamps". With its excellent adhesion properties it is suitable



NUtec high performance inks are now available nationally in 500ml cartridge, 1 litre bottles and 1 and 2 litre bags.

for use with or without primer on a large variety of rigid substrates including polycarbonate, melamine, fluted polypropylene as well as decorative

applications on glass, acrylic and ceramics. NUtec Diamond D10-MS21 solvent Ink (2 litre bag) is designed for use with the Mimaki MBIS bulk ink system as a back to back replacement for Mimaki SS21 inks at £150.00 + VAT per bag.

NUtec Diamond D10-MS21 solvent Ink (1000ml) is designed for all Mimaki solvent printers as a back to back replacement for Mimaki SS21 inks.

NUtec Diamond D10-MS21 solvent Ink (500ml cartridge) is designed for all Mimaki solvent printers as a back to back replacement for Mimaki SS21 inks with extra ink volume at £55.00 + VAT a cartridge, which is the equivalent of (£48.40 for a 440ml cartridge).

NUtec Diamond D10-ESM Solvent Ink (500ml cartridge) is designed as a back to back replacement for Roland and Mutoh inks at £55.00 + VAT a cartridge, which is the equivalent of (£48.40 for a 440ml cartridge).

www.atlantic-tech.co.uk

Blackman & White appoints i-Sub exclusive UK distributor of its cutting systems

Blackman & White has appointed i-Sub as the exclusive UK distributor of its cutting systems for the sign and graphics industries. i-Sub has extensive experience in large format digital print technology. As "the UK's only manufacturer of cutting systems", all of which are designed and manufactured from start to finish at the company's UK factory, Blackman & White

builds machines that are "recognised for their robust and reliable build quality". Its cutters can be manufactured as laser-only cutting devices or with a combination of laser, knife and routing options.

"The first in the industry to offer a laser as one of the modular interchangeable toolheads with the ability to cut multiple substrates on a single machine", Blackman & White cutters integrate with industry standard RIP software and CAD and nesting packages, enabling the streamlining of workflow for the efficiencies and production benefits essential for business profitability.

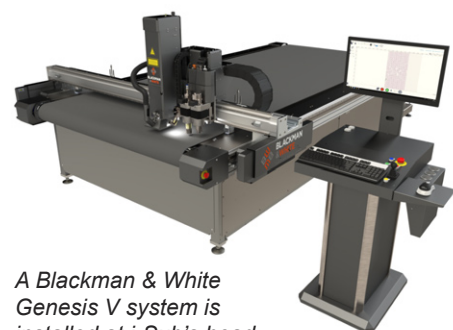
i-Sub managing director Andy Spreag comments: "Blackman & White has an excellent technical heritage and their products are at the perfect price/performance ratio for the sign and graphics industries. Our partnership offers our customers a high end turnkey solution

for all their wide format cutting and finishing requirements. The digital cutters support knife, laser and router tooling and as such offer one of the most flexible, configurable and versatile cutting systems available on the market."

A Blackman & White Genesis V system was installed in January at i-Sub's head office for demonstrations. Configured with all tooling options, customers are able to see an array of currently compatible materials cut and finished.

Managing director Alex White says: "The commercial partnership with i-Sub allows us to further focus our efforts on the continual research and development of industry-leading cutting machines to meet customer demand for faster and more effective finishing solutions."

www.blackmanandwhite.com
www.i-subdigital.com



A Blackman & White Genesis V system is installed at i-Sub's head office for demos.



ISA-UK launches awards scheme for sign businesses of all sizes

The International Sign Association-UK (ISA-UK) is introducing a new award scheme for 2020. With a date and venue to be confirmed, the ISA-UK Sign & Print Awards will take place at a central UK location in the autumn.

Director David Catanach says: "Over the past 18 months the Association has gone through a period of significant change and growth, including establishing an exciting partnership with the International Sign Association based in the US. As we continue to evolve and maintain our commitment to serving the needs of our members and the wider sign and print industry, the time is right to make some major changes to the sign awards."

"Companies or individuals shortlisted in the ISA-UK Sign & Print Awards will be at the very top of their game; delivering exceptional work," says president Rob Lambie. "Throughout our industry we have some phenomenally talented and creative sign makers and printers who are utilising the latest technology and materials to devise outstanding schemes."



From left: Tony Marshall from sponsor Antalis; Jenny Pestell, director Graffiti Signs; winner of Young Signmaker category Daniel Garrett; and host Shaun Williamson, at the 2019 British Sign Awards.

This award scheme will include a range of categories to allow businesses of all sizes and specialisms to take part.

"Being shortlisted shows that your industry's leading trade association has

recognised your work as being among the best in the business," concludes Rob. "There are few customers who will not be reassured by an accolade of this type."

www.uksigns.org

UK Graphics Awards and Thrive in Print conference celebrate wide format industry

Project management software provider Vism along with Fespa UK Association have announced further details about the UK Graphic Awards and Thrive in Print conference.

These new events designed to celebrate and share the achievements of the wide format graphics print and installation industry, will be held at Oulton Hall, Leeds on Tuesday 15 September 2020.

Be Bold is the theme of the awards and the 12 categories have been designed to showcase the best in creativity and impact of projects across several industries including awards for projects of any shape or size within live events and exhibitions, retail graphics, roll outs, experiential, interiors and museums/galleries.

An overall award will be given for best in show. Categories for company initiatives and developments include sustainability

and the environment, innovation, rising star, wide format printer of the year (large company) and wide format printer of the year (small company).

Entry will be free and the organisers say they have gone to great lengths to ensure a fair and transparent judging process.

Vism's managing director Dan Tyler says: "Every day we see first-hand that ours is a hugely creative industry and we want to celebrate the talent, people and companies that make it what it is."



"The UK Graphic Awards will showcase some of the most exciting and innovative projects out there; with this year's Be Bold theme we're encouraging entrants to show off the creativity and innovation that goes on in their business."

"The Thrive in Print conference will focus on helping owners and senior managers of wide format print and graphics providers to improve their bottom line profitability through new business strategies, marketing opportunities and new technologies."

"We want attendees to be inspired to create ever more innovative installations and take away and implement some fantastic practical ideas to start making real changes to benefit their business."

www.ukgraphicawards.com

British Sign Awards has wider reach

The British Sign Awards take place again this year under an independent BSA (British Sign Awards) banner. Launched in 2013 to celebrate and recognise the skills and talent of UK-based sign businesses, the Awards are now “firmly established as a major sign industry event”.

“The Awards have so far been run under a trade association banner and while we would have been content for the relationship to continue, this will no longer be the case,” explains Ray Hirst who created the Awards. “The British Sign Awards delivers a great event and celebration of sign making without taking up too much time or stretching budgets.

“It’s the ideal formula for both busy signmakers and cost conscious finance directors. Furthermore, the British Sign Awards already has everything in place to continue with the success it enjoyed in 2019, including its own website, a large and growing social media following and effective and accepted award categories that reflect the diverse skills of the sign industry, plus an easy, free and fair entry system. Previously, many people in the sign industry had the perception that the Awards were the preserve of association members or that the members enjoyed an advantage. This was never really the case



As a totally independent scheme, Ray Hirst believes the awards can reach out to a much wider cross section of the 4000 or so sign and sign related businesses in the UK.

because we went to great lengths to ensure that judging of entries was anonymous and fair.

“However, the perception was a problem. Now, as a totally independent scheme, we believe we can reach out to a much wider cross section of the 4000 or so sign and sign related businesses in the UK.

“We will ensure that the Awards remain a British affair and that entries are judged by

a panel of independent British sign industry experts.

“The Awards celebration and presentation will again take place at a central UK location in November and our intention is to top the 2019 event which received almost universal acclaim and praise from both participants and sponsors.”

www.britishsignawards.org

SAi announces free Flexi software webinars

SAi has announced details of its free-to-attend webinars up to June 2020. The series of informative online tutorials will focus on SAI’s foremost signmaking software solution, Flexi.

Dedicated sessions will cover detailed demonstrations of key tools and offer useful tips and tricks designed to enable sign makers and large format print providers to get the most out of the

feature-rich packages. Webinars are scheduled to take place at 12.00pm Central European Time:

26 February
Practical examples of using the masking tools in Flexi Design.

10 March
Learn all about the SideKick tool in Flexi 19; how to accelerate productivity with this workflow solution designed for sign and print shops.

18 March
In-depth text commands: taking a deeper look at working with text in Flexi.

14 April
Printing white and metallic: this can be a bit tricky; we will walk you through the steps for setting up your design and your file in Flexi for this type of job.

www.thinksai.com/events



Dedicated sessions will cover detailed demonstrations of key tools and offer useful tips.



Five-step service for inkjet fluid evaluation

Xaar has launched its five-step service for the evaluation of fluids for use in new product development. The service aims to help companies establish the suitability of inkjet technology and fluids in new applications without incurring large upfront costs. To support the service, Xaar has invested in a dedicated laboratory equipped with custom test rigs for sample production and fluid testing including a Notions Systems n.jet 3D printer.

Each new project starts with the initial fluid evaluation where guidance is provided on issues such as ink development and material compatibility and options for complex rheology testing and fluid physicals measurement. Stage 2 moves to jetting optimisation encompassing printhead waveform configuration alongside application and fluid optimisation. Stage 3 involves actual sample production utilising one of the custom test rigs. 3D and other advanced sample production is made possible using a Notions Systems n.jet printer and Xaar 1003 GS12 printheads.

This Photopolymer Jetting (PPJ) machine is capable of printing layers between 0.0185mm and 0.0025mm, taking approximately six seconds per layer, enabling features as small as 0.1mm.



Xaar's 5-step service is currently enabling companies to evaluate the jetting of fluids with high viscosities.

Once samples have been produced, stage 4 moves to upscaling the development application, focusing on providing the relevant Xaar inkjet system. Stage 5 completes each project, providing continued support and delivering application improvements, testing and advice.

Xaar's five-step service is currently enabling companies to evaluate the jetting

of fluids with high viscosities. Most inkjet printheads are capable of jetting materials with viscosities with a range of 10-25 mPa.s (10-25 cP). Now, thanks to improvements in Xaar's TF technology, fluids which have significantly higher viscosities can be successfully jetted through Xaar's printheads.

www.xaar.com

Durst restructures textile printing segment

Durst has restructured its segment for industrial textile printing with manager Dr Stefan Kappaun taking responsibility for the strategic direction in home textiles, clothing and accessories while acting as a link to the large format segment which takes over soft signage and fabrics in the portfolio. Dr Kappaun is an expert in materials science and the development and marketing of ink systems for digital inkjet printing. This know-how is particularly important within industrial textile printing because different materials, pre- and post-treatments as well as large-scale process influences, represent a daily challenge in digital textile production.

At the same time, digital textile printing is one of the largest growth markets for inkjet technologies targeted by advertising media and large format providers in addition to traditional textile producers. All have different textile experiences but are always looking for new applications and business opportunities.

With the Alpha Series, Durst offers industrial printing systems with water-based reactive, pigment and disperse inks as well as with the pixel-to-output strategy end-to-end software solutions for efficient and cost-transparent digital textile printing.



Dr Stefan Kappaun acts as a link to the large format segment which takes over soft signage and fabrics in the portfolio.

"The digital textile printing market is fragmented in itself and we see different speeds and developments worldwide," says Dr Kappaun. "While new, non-industry service providers often already have digital know-how but less textile experience, the traditional manufacturers are masters of textile finishing but not all analog processing steps can be transferred directly to digital textile printing."

"Durst has a comprehensive ecosystem to serve different requirements and support customers in the digital transformation. Our printing systems are designed for industrial productivity but offer profitability from the very first meter."

Dr Kappaun succeeds Martin Winkler in his expanded role as segment manager textile printing, who will take on the role of global sales manager textile printing some time in the future.

www.durst-group.com

First exhibitors announced for SDUK 2020

Sign & Digital UK (SDUK) is expanding the show's appeal with both new and returning exhibitors already confirmed. In direct response to the demands of its core audience, the leading signmaking, display solutions and digital printing show will host "an exciting range of leading suppliers" when it returns to the NEC in Birmingham 28-30 April 2020.

First-time exhibitors already confirmed include: CLIP, SwissQPrint, WITPAC, All things Décor (Sequin Walls), Premier Bond, Cutting Mats, Digital Sign UK, Quatro Tech (The Printers Market Place), Colour Display, ABC Mix co, Red Dragon Laser, Gunnar International, Dufaylite Developments, Signs Plaza, Section 8 Contracting, Bonwyke and (Cover Styl).

Some of the companies returning for 2020 include Roland DG, Epson, Hybrid Services / Mimaki, Grafityp, Hexis, Premier Paper, RA Smart/Rexframe, Blackman & White, Zund Plotting Systems, Vivid Laminating Technologies, The Magic Touch, YPS, Award Crafters, Signwaves, Josero, Trade Etching, Merlin



Sign & Digital UK is free to attend for visitors and registration is now open.

Tools, Eurobond Adhesives, Amaya Sales, ITC, Very Displays, D&K Europe, Gravograph, HPC Laser, AG Cad, AXYZ Automation, FTC UK, GESS, Boxford,

William Smith Group 1832, Lion Picture Framing, Quality Print Services, Rollroller and Trotec Laser.

Organisers of SDUK carried out a series of interviews with customers following the 2019 show to pinpoint key areas they'd like to see covered, from new products to industry experts and trends.

Event director Jenny Matthew says: "For Sign & Digital 2020 we've been working closely with exhibitors and visitors to uncover current demands. The needs of our core signage, display and print audiences are always crucial to the show's success and they have been built into our development strategy and reflected in the expanding exhibitor list.

"From tools, textiles and décor to accessories, we're thrilled to be responding to the industry's growing areas by introducing a range of new names to the show, as well as welcoming back many much-loved and highly anticipated exhibitors in 2020."

www.signuk.com

HEXIS UK Wrap Battle Contest returns to SDUK

Organisers of Sign & Digital UK have announced the HEXIS UK Wrap Battle Contest will be back for the 2020 show with the three-day contest to crown Best UK Installer for 2020. Two heats and a semi-final will take place on the show floor each day where participants will compete

in 10 minute-long contests. Entrants will be judged on speed, efficiency and quality of work, with the daily winners progressing to a grand finale on the show's closing day, Thursday 30 April. Once again there will be the opportunity to win over £5,500 of prizes.

Event director Jenny Matthew comments: "We are particularly thrilled to welcome back the HEXIS Battle. The contest is an excellent way to showcase and celebrate the skilled wrappers within the industry. We're all excited to see what the 2020 contenders have to show us."



HEXIS will run a new speed wrap competition named the SKINTAC Time Trial Challenge.

HEXIS will run a new speed wrap competition: the SKINTAC Time Trial Challenge, where visitors put their wrapping skills to the test in timed conditions. Sales and marketing manager Stuart Shenton says: "As with last year's battle, new HEXIS materials will be introduced round-by-round to make each heat gradually more difficult for the contestants. The judges will score each contestant on accuracy of fitting, speed, quality of finish, health and safety at work, work ethic and technique."

Visitors can sign up for the SKINTAC Time Trial Challenge on the day at the Hexis stand and complete the online form to enter the Wrap Battle Contest.

www.signuk.com

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Proven experience with Adobe Illustrator is a necessity.

Excellent communication skills with fluent written and spoken English is a must. Past experience of using Mimaki printers and vinyl plotters is a necessity for this role.

A knowledge of sign making, graphic fitting and different media types would prove a distinct advantage.

Hours are Monday-Friday 8am – 5pm, with the position based at our Wigan branch office. Salary dependent on experience.

Email your CV, in confidence, to info@ukinsignia.co.uk for further details.



Business Development Manager

Signs, Screens and Print are a Signs, Designs, Print and Graphics company based in Bolton offering a wide range of bespoke solutions, from Traditional Signage and Vinyl Graphics through to Digital Screens.

We are looking for a Business Development Manager to join our growing business.

The ideal candidate will have good all-round sign & print experience in a fast-paced, customer-orientated environment and strong management/supervisory experience.

Experience of Signlab, Graphic Design (Adobe Suite inc Illustrator & Photoshop), CMS or Digital Signage is advantageous, but not essential as training will be provided.

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Based in Bolton, the role will be mainly local with some UK wide travel and occasional out of hours / overnight work.

Competitive Salary (subject to experience), bonus, overtime and excellent career progression opportunities.

General areas of responsibility include:

- Maintaining relationships with suppliers
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www.applied-image.com

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Latest items listed in February

HP Designjet L25500 60" Latex printer

Was in full working order in last use 18 months ago hasn't been used since. Would be ideal for parts and spares.

£1,250

Jetrix KX6 Flat Bed Printer - March 2018

Configured with CMYK + 2 White (6 Heads) Still cover by 3-year warranty - Southampton

£55,000

TPS 8700 Channel letter bender

5 years old. £20k new Up to 120mm returns - Berkhamstead

£7,000

Roland Soljet ProIII XC540 Print and cut

Leek, Staffordshire

£4,800

www.signupdate.co.uk/fs

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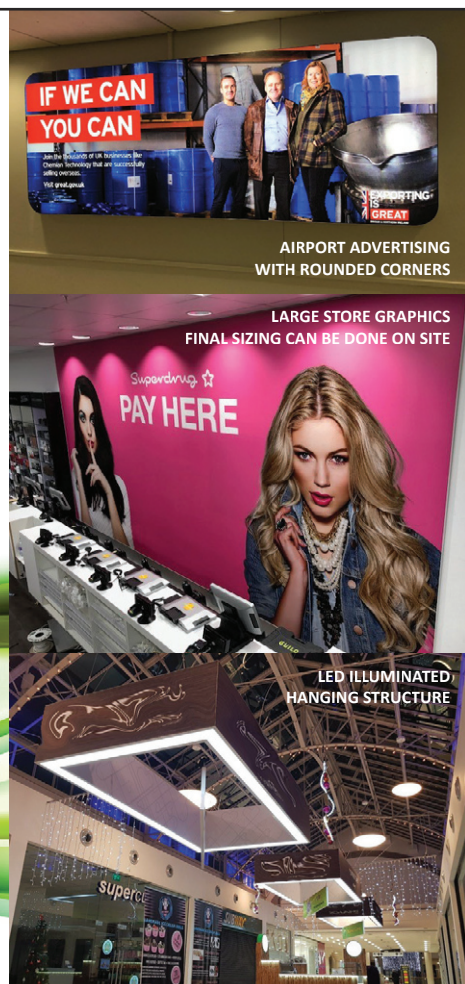
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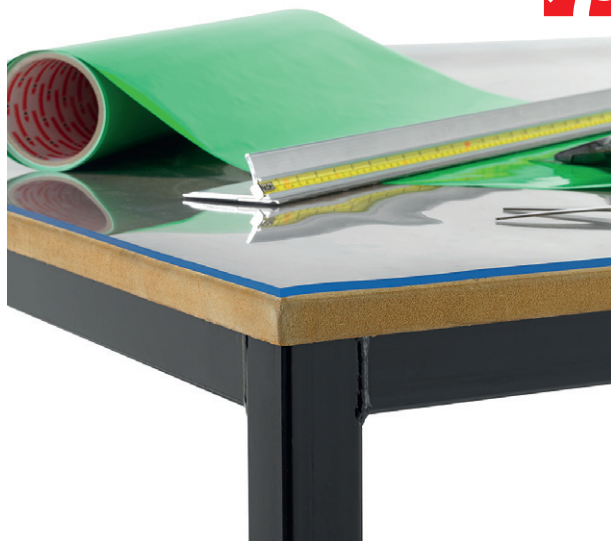


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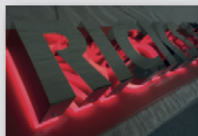
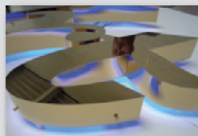
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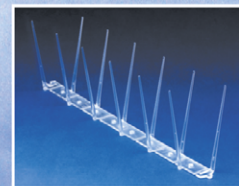
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Plaques, Crests, Lettering. In aluminium and Bronze. From Pattern Making to Finishing in Stove Enamel. 60 Years of Experience.

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AES SIGNS LTD (EST. 1972)

The Old Laundry, 15 Barratt Street,
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sales@aesigns.co.uk

www.aesigns.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 enquiries.

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Tel: 01322 340 194

mail@desp.co.uk

www.desp.co.uk

DESP has been trading for over 55 years. Chemical Etching, Screen Printing, CNC engraving, Laser Engraving, Heavy Duty Machine engraving (ALL CARRIED OUT INHOUSE), including artwork. So whether its a 1 off or 1,000s off, we can offer a quick competitive turnaround.

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Unit 2, Ashgrove Farm, Piltdown,
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Tel: 020 8686 6649

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www.hallmarksigns.co.uk

SUPERFAST and efficient trade service for ALL commercial and industrial etching, using the latest technology and computerised equipment. One-off urgent specials or long runs no problem. Full graphics and artwork service for logos, crests and designs. Specialists for commemorative plaques, company name plates and awards in all metals and plastics. Professionally designed-drawings supplied free.

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Mob: 07957 870 756

andy@impactengraving.co.uk

www.impactengraving.co.uk

REAL Trade prices for chemical etching, brass and stainless steel a speciality. ULTRA FAST DELIVERY

MERCURY & PHILLIPS SIGNS

51/59 Waterworks Road, Norwich
NR2 4DA

Tel: 01603 66 66 99

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Manufacturers of all types of plates or plaques, chemically etched (large format) or machine engraved using a variety of materials, brass, stainless steel, aluminium, copper and bronze. For high quality and intricate detail with colour infills to your choice.

MULTITECHNIC LTD (EST. 1972)

Coopies Lane, Morpeth,
Northumberland NE61 6JQ

Tel: 01670 512 090

sales@multitechnic.co.uk

www.multitechnic.co.uk

We are established specialists in chemical etching. WE ARE THE ONLY TRADE ONLY SIGN ETCHING SPECIALISTS IN THE UK. We can offer effects that nobody else can do such as complex blended colours. All our stainless steel is 316 marine grade, we don't use inferior grades & our brass is the best too. We want your business so will give you a fast turnaround & excellent service.

SIGN INDUSTRIES

Unit 3, Roberts Street, Forfar,
Angus, DD8 3DG

Tel: 01307 463997

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.

TRADE ETCHING DIRECT LTD

10 Pywell Court, Pywell Road,
Corby, Northants, NN17 5WA

Tel: 01536 203813

sales@tradeetching.com

www.tradeetching.com

Trade Etching Direct Ltd is a well-established chemical etching company specialising in high quality etched signage. Our work is 100% guaranteed. Our etching machines are specially designed for deep etching. We can offer gradient fills, a range of patina finishes and hand filled complex multi colours, on a wide range of metals. We can produce etched signs up to 4m x 2m in size.

CHROME PLATED LETTERS

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225 Long Lane, London N3 2RL

Tel: 08085 456700

sales@signtrade.co.uk

www.signtrade.co.uk

ChromaForm; the NEW generation of Chrome effect letters. We now offer a complete range of ChromaForm Letters for a 7 day turnaround not available anywhere else. We can also supply and fit LED lights to the ChromaForm range of letters for an even better effect. Ring Susan or Lesley for details and samples.

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Tel: 01442 264411

sales@ataeng.com

www.ataeng.com

The Atacama range of CNC routers and Lasers offers a wide variety of options from 3 axis machines and 4 axis Routers and Metal and Non Metal Cutting CNC Lasers.

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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.

SIGNS OF THE TIMES LTD

Wingfield Road Tebworth, Beds,
LU7 9QG

Tel: 01525 874 185

enquiries@sott.co.uk

www.sott.co.uk

Cast in polyurethane with detail in relief and hand painted full colours. May be cast on their own or as part of an entrance sign, blue plaque or street sign etc. We also cast coats of arms in aluminium, grp or bronze. Please 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, restoration and accurate reproduction of historic and modern coats of arms. We are able to produce from originals, information from heraldic associations, or even from a photograph. Check our website for recent projects.

COMMEMORATIVE PLAQUES

MERCURY & PHILLIPS SIGNS

51/59 Waterworks Rd. Norwich NR2
4DA

Tel: 01603 666699

sales@mercuryphillips.co.uk

www.mercuryphillipssigns.co.uk

Manufacturers of plaques in stainless steel, brass and aluminium, chemically or machine engraved, colour filled to your choice. Logos and text from artwork supplied.

SIGN INDUSTRIES

Unit 3, Roberts Street, Forfar,
Angus, DD8 3DG

Tel: 01307 463997

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 many varying styles using the finest materials such as bronze, brass, stainless steel and wood. You can now create your own custom plaques and nameplates and order them directly from our website.

SIGNS OF THE TIMES LTD

Wingfield Road Tebworth, Beds,
LU7 9QG

Tel: 01525 874 185

enquiries@sott.co.uk

www.sott.co.uk

Cast blue plaques with detail in relief. Usually cast in solid rigid polyurethane and painted blue background with white, silver or gold letters. Send us artwork or copy of the text for a quote.

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 have produced countless cast metal commemorative blue plaques, but also specialise in traditional bronze plaques and custom 3D hand crafted plaques, which are hand painted to depict scenes of historical events, places and figures.

CUT-OUT LETTERS

APPLELEC

Unit 1, Wharfedale Business Park,
Shetcliffe Lane, Bradford BD4 9RW

Tel: 01274 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, with or without fixings. Please contact our friendly team for more information and to request a free and unbranded product brochure. (3D built up lettering is also available).

ICE SIGNS

Tannery Works, 12 Whingate,
Leeds LS12 3BL

Tel: 0113 224 2124

sales@icesigns.co.uk

www.icesigns.co.uk

Manufacturers of flat cut letters in ALL materials. Incl. Acrylic, Foamex, MDF, Stainless Steel, Brass, Copper, Corian. Many finishes available- Gilding, painting, powdercoating, lacquering. A special service at a competitive price.

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Tel: 01603 666699

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www.mercuryphillipssigns.co.uk

A fully comprehensive service to the trade in acrylic, foam PVC, MDF, brass and aluminium. Contact us for price list or quotation.

SIGN HERE

179 Fosse Road North, Leicester,
LE3 5EZ

Tel: 08085 428021

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.

SIGNTRADE LETTERS LTD

225 Long Lane, London N3 2RL

Tel: 08085 456700

sales@signtrade.co.uk

www.signtrade.co.uk

Plastic is our speciality including Flat Cut lettering in Perspex, foam pvc and aluminium composite. All supplied with locators and template as standard. We also offer a complete range of Moulded letters in Perspex and ChromaForm, offering over 60 years experience.

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sales@sygnetgroup.co.uk

www.sygnetgroup.co.uk

Sygnal Group is the sign-maker's sign-maker, having serviced the UK sign trade since 1974. We'll manufacture any type of sign and have a range of over 5000 styles to choose from. We'll also work closely with you if you'd like to supply your own plans or artwork. At our Leicester HQ, we manufacture router or laser-cut signs from acrylic, mdf, foamex, polycarb, dibond, aluminium or stainless steel.

WATERJET SIGNS LTD

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www.waterjetsigns.co.uk

Specialise in manufacturing signs to the trade with over 40 years' experience in the signage industry. 3D Built up letters, Flat cut letters, Projecting Signs, Facia Signs, and Illuminated Light Boxes. All work undertaken in house. Competitive prices and prompt service.

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info@cuttingmatsxxl.co.uk

www.cuttingmatsxxl.co.uk

CuttingmatsXXL specialises in transparent and flexible cutting mats to protect your work table. Nr1 table protection for all signage companies. Your blade will cut smoothly through your foil and with the 'self-healing' characteristic the surface will stay smooth. Our mats are also widely used on top of all brands of flatbed applicators like RollsRoller, Roll-X, Lamidesk, CWT and Rollover.

RHINO CUTTING MATS

Brackley, Oxfordshire

Tel: 01280 840 493

sales@rhinocuttingmat.co.uk

www.rhinocuttingmat.co.uk

The UK's No.1 trusted brand and original Rhino Cutting Mats. The Rhino Heavy Duty is a perfect heard wearing choice for cutting and workbench protection. Sizes up to 4880 x 1220mm and 3657 x 1828mm. The Rhino SupaSeal is the ultimate self-healing choice for finer knives and scalpels, and designed to work on all brands of flat-bed applicators. Sizes from 1000-2200mm wide up to 20m long.

DIGITAL POSTERS

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107 Brighton Junction, 1a Isetta Square, 35 New England Street Brighton BN1 4GQ

Tel: 01932 769 962

hello@screenspace.live

www.screenspace.live

Screenspace is built around a small low-cost device that when plugged into any screen or TV, can in 5 minutes, turn that screen into a smart digital sign, capable of displaying your customers own adverts that can contain text, images or videos. When the device is connected to Wi-Fi these adverts can be scheduled, edited or updated instantly and sent to a screen, anywhere in the world.

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info@avenuesigns.co.uk

www.avenuesigns.co.uk

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

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marketing@artsystems.co.uk

www.artsystems.co.uk

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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www.mactacgraphics.eu

Mactac is a global manufacturer of self-adhesive materials for wide-format digital printing (solvent, eco-solvent, latex & UV), with ICC profiles for the highest printed quality. Our innovative products help you to express your talents, across applications that include interior decoration, commercial architecture and visual communications – on buildings, windows, points of sale, vehicles & boats.

DIGITAL SIGNAGE

SCREENSPACE DIGITAL SIGNAGE

107 Brighton Junction, 1a Isetta Square, 35 New England Street Brighton BN1 4GQ

Tel: 01932 769 962

hello@screenspace.live

www.screenspace.live

Screenspace is built around a small low-cost device that when plugged into any screen or TV, can in 5 minutes, turn that screen into a smart digital sign, capable of displaying your customers own adverts that can contain text, images or videos. When the device is connected to Wi-Fi these adverts can be scheduled, edited or updated instantly and sent to a screen, anywhere in the world.

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PROJECT PLASTICS LTD

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Tel: 01206 868 696

project.plastics@btinternet.com

www.projectplastics.co.uk

Manufacturing and stocking clear acrylic domes and dishes in over 25 sizes and all produced on site at our factory in Colchester. We also stock over 170 different size blowing rings for other shapes and weird and wonderful diameters. Pans, dishes, squares, oblong and ovals are our speciality.

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With 70 years of making Domes & Dishes, our Teedy Domes have set the standard. With our vast range of tooling we can make almost any size – so just ask. We are now the first to offer unbreakable Polycarbonate Domes.

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www.signtradesupplies.co.uk

Sign Trade Supplies has a wide range of double sided tapes and adhesives designed specifically for the sign making industry. The Stykra branded products provide unrivalled performance at an excellent price point. Our range of tapes include Structural bonding tapes, Toffee Tape, Banner Hemming Tape, Single Sided Banner Tape, 1mm Foam Tape, POS tape, Hook & Loop Tape and many more.

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www.kingsplastics.co.uk

Edgelits are our speciality, we supply our tracks with integral or separate power supplies. Single colour or fully programmable RGB colour changing all up to 3m long. Panels CNC engraved and laser engraved. We supply three tracks the Reflex, Miniflex & Dualflex. For images and prices please visit our online shop or contact our experienced sales team.

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Tel: 0117 951 0234

sales@aessigns.co.uk

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: 01322 340 194

mail@desp.co.uk

www.desp.co.uk

DESP has been trading for over 55 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.

FIRST SIGNS & LABELS LTD

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

Tel: 01279 467999

sales@firstsignsandlabels.co.uk

www.firstsignsandlabels.co.uk

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.

HALLMARK ENGRAVING

ETCHING & SIGNS LTD (EST. 1899)

Unit 2, Ashgrove Farm, Piltown, Uckfield, East Sussex TN22 3XN

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sales@hallmarksigns.co.uk

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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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Tel: 01296 488902

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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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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 infills to your choice.

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EXHIBITIONS

SIGN & DIGITAL UK 2020

28-30 April, Birmingham, NEC

www.signuk.com

With hundreds of exhibitors showcasing the industry's leading brands, products and services, Sign & Digital UK is the only place to see the latest developments from across the signage, print, display, decor and design sectors. Free-to-attend and with a whole host of NEW features, demos and content, SDUK returns in 2020 to its new home in Hall 1.

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.accentssigns.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

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Tel: 01274 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, with or without fixings. Please contact our friendly team for more information and to request a free and unbranded product brochure. (3D built up lettering is also available).

CENTRE SIGNS (UK) LTD

Alexander House, Liiffe 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

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Tel: 020 8751 7250

mailus@fabricut.co.uk

www.fabricut.co.uk

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

SIGN HERE

179 Fosse Road North, Leicester,
LE3 5EZ

Tel: 08085 428021

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 GROUP LTD

129 Humberstone Rd, Leicester,
LE5 3AP

Tel: 0116 262 6288

sales@sygnetgroup.co.uk

www.sygnetgroup.co.uk

Supplier to the trade since 1974, Sygnet Group has a huge selection of over 5000 styles to choose from. You're very welcome to supply your own artwork, and we'll be happy to work with you to create the perfect Flat-Cut Lettered sign. Whether it's acrylic, foamex, mdf, polycarb, dibond, stainless steel or aluminium signage you require, we'll do you proud at our factory in city-centre Leicester!

WATERJET SIGNS LTD

Continental Approach, Westwood
Industrial Estate, Ramsgate Road,
Margate, Kent CT9 4JG

Tel: 01843 225666

www.waterjetsigns.co.uk

Specialise in manufacturing signs to the trade with over 40 years' experience in the signage industry. 3D Built up letters, Flat cut letters, Projecting Signs, Facia Signs, and Illuminated Light Boxes. All work undertaken in house. Competitive prices and prompt service.

FLEXIBLE FACE SIGNAGE

BROWNING'S LTD

157 English Street, Hull, HU3 2BT

Tel: 01482 380900

sales@browningssltd.co.uk

www.browningssltd.co.uk

Brownings offer Flex face signage to the TRADE ONLY. We utilise the Signcomp suite of flex face products and we are their biggest Converter here in the UK. Which demonstrates the knowledge we have of the product. The range includes: Econoflex, Retro and Fascia Frame. All signs are produced to your specific needs and can be supplied; fully complete, in kit form or as full bar lengths.

MIDA SIGN SERVICES UK LTD

Welbeck Street South, Ashton-
Under-Lyne OL6 7QZ

Tel: 0161 8 300 600

info@midasignservices.co.uk

www.midasignservices.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

BROWNING'S LTD

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Tel: 01482 380900

sales@browningssltd.co.uk

www.browningssltd.co.uk

Brownings is one of the largest, TRADE ONLY suppliers of signage products within the UK. With in-house production we can cater for all your bespoke signage needs, our range includes everything from Flex and textile faced signage, poster displays, troughlights and much more. We can cater for one offs or roll out programs. Please visit our website to see our full range of products.

KINGS PLASTICS LTD

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

Tel: 0117 9411 411

www.kingsplastics.co.uk

For all types of sign. Individual flatcut & built up lettering, illuminated with LED's. Edgelit signs, Illuminated signs, Tray signs, Modular sign systems, Frames & panels, acrylic fabrication. LED's, LED Flexi neon & convertors etc. Also material supplies cut to size & laser cutting. A complete service to the trade. For further information, check out our website & online shop.

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Unit 15 Dale Industrial Estate,
Radcliffe, Manchester, M26 1AD

Tel: 0800 133 7555

info@signsupplier.co.uk

www.signsupplier.co.uk

Sign Supplier is a leading designer, manufacturer and installation specialist of business signage including signage boards, projecting, illuminated and neon signs, sign trays, sign posts, sign lettering, sign lighting and digital signage.

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London (SE14) and Chichester
(PO20)

Tel: 020 7237 8000

sales@whitevilla.co.uk

www.whitevilla.co.uk

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GOLD LEAF SUPPLIES

Unit C, Ogmor Court, Abergarw
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Highest quality products and a prompt reliable service. For all your Gold leaf, Gilding and Traditional Signwriting materials. All qualities of Gold leaf from 6ct to 24ct. Extensive range of products and full product support.

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Our highly experienced sign installation crews based in Essex offer you the quality of service you deserve. All aspects of signage covered across the U.K. including neon, flex face and vinyl. CSCS, IPAF, PASMA certificated.

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lou@birchsigns.com

www.birchsigns.com

"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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BluePrint Signs & Garments, 20
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Mob: 07700 800 999

paul@blueprintsins.co.uk

www.blueprintsins.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.

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Ascension House, Phoenix
Business Park, St Neots,
Cambridgeshire, PE19 8EP

Tel: 01480 211948

info@gessltd.co.uk

www.gess.uk.com

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.

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69 Soulbury Road, Leighton
Buzzard, Beds, LU7 2RW

Tel: 0845 345 7712

Mob: 07702 950 218

info@mediaabseiling.com

www.mediaabseiling.com

Rope access company specialising in the installation and maintenance of all types of signage, banners and lighting. We operate nationwide and throughout Europe and provide advice, site visits, fast turnaround and most importantly award-winning results.

MIDA SIGN SERVICES UK LTD

Welbeck Street South, Ashton-
Under-Lyne OL6 7QZ

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info@midasignservices.co.uk

www.midasignservices.co.uk

Professional installation and maintenance of all types of signage, graphics and banners. Including, Site surveys, Illuminated signs, Flexface signage, LED etc. Nationwide service. Established 1984.

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Matrix House, Norman Court,
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la Zouch, Leicestershire, LE65 2UZ

Tel: 0345 1 30 40 50

sales@vivid-online.com

www.vivid-online.com

Vivid supply a wide range of laminating products including the award-winning Easymount range of wide format laminators, available in cold, heat assist and hot models. Vivid also supply the Boss range Pressure Sensitive Over Laminates, Self Wound Mount Films & Printable Vinyl Roll fed and the Trimfast range of wide format Board Cutters and Multi Substrate Cutters.

LASER CUTTING/ENGRAVING

CENTRE SIGNS (UK) LTD

Alexander House, Iliffe Avenue,
Oadby, Leicester LE2 5LH

Tel: 0116 271 4247

graphics@centresigns.co.uk

www.centresigns.co.uk

Trade only service for quality Acrylic Laser Cutting, 3mm, 5mm -10mm. Our 10mm clear laser cut acrylic is ideal for POS and specialist projects.

Professional cutting bed area 1400 x 900mm. Cutting services for MDF and Ply is also available.

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sales@sign-here.co.uk

www.sign-here.co.uk

Trade service for Laser flat cut & built up lettering & logos in Acrylic, Aluminum & 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

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129 Humberstone Rd, Leicester,
LE5 3AP

Tel: 0116 262 6288

sales@sygnetgroup.co.uk

www.sygnetgroup.co.uk

Sygnnet Group offers a laser-cutting service and stocks a wide variety of materials in various thicknesses to suit you. We can also fabricate signage from free issue materials, using our lasers to cut stainless steel up to 4mm and mild steel up to 12mm in thickness. We can also cut very small acrylic detail with pre-applied double-sided tape, and all work is carried out on-site at our Leicester HQ.

LASER CUTTING/ENGRAVING MACHINES

BOXFORD

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Yorkshire, HX5 9BG

Tel: 01422 324 810

www.boxford.co.uk

Our range of cost effect Laser Co2 Cutters and Engravers have bed sizes from 500 x 300mm to 1300 x 900mm and feature integrated chiller cooling systems, auto focus system, air assist c/w integrated compressor, red dot pointers and honeycomb cutting tables. Metal Cutting and Marking Lasers also available including fibre based systems. Supplying lasers since 2003, we have a wealth of expertise.

GRAVOGRAPH

Unit 3 Trojan Business Centre,
Tachbrook Park Drive, Leamington
Spa, Warwickshire CV34 6RH

Tel: 01926 884 433

info@gravograph.co.uk

Gravograph have continued to pioneer engraving technologies since 1938. Our mechanical and laser systems are manufactured in Europe. Engrave and cut any material including acrylic, wood, metal and more. Our team of inhouse trouble-shooters and field engineers ensure all our customers benefit from our expert advice. Meet us at one of our regional showrooms across the UK for a free demonstration.

HPC LASER LTD

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Tel: 01422 310 800

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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. Optional 1 to 3 year ONSITE warranty available and unlimited technical support. Established in 2006, over 4500 machines supplied!

TROTEC

9 Didcot Way, Boldon Business
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Tel: 0191 580 1184

sales@troteclaser.co.uk

www.troteclaser.co.uk

Leading manufacturers of laser cutters and laser engravers, Trotec's broad range of flatbed, large format and galvo laser machines are available for demonstration in six dedicated showrooms across the UK and Ireland. In addition, Trotec's UK warehouse holds stock of thousands of rotary and engraving materials and accessories, available with next day delivery as standard.

LED ILLUMINATED LETTERS

ACCENT SIGNS LTD

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

Tel: 0121 561 4600

accsign1@aol.com

www.accentsignsltd.co.uk

Accent signs "SLIMLITE" flat cut letters & logos made from 6mm opal acrylic with imbedded super bright white Led's 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.

LED ILLUMINATION

3D SIGN SYSTEMS LTD T/A CITI LED

Unit 1, 411 Pollokshaws Rd,
Glasgow, G41 1QZ

Tel: 0141 422 2500

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

Unit 1, Wharfedale Business Park,
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Tel: 01274 774477

sales@applelec.co.uk

www.applelec.co.uk

Sole UK distributor of SloanLED LED systems. Trade suppliers of LED lighting solutions and manufacturers of the flat light unit, LED Light Sheet. We supply energy efficient, award winning LED modules in a variety of colours including RGB (colour changing). We'll support you in choosing the right LEDs for your project whilst our after-sale technical support ensures you receive continued assistance.

ARTILLUS LTD

Britannia House, 29 Station Road,
Kettering, Northants NN15 7HJ

Tel: 0333 123 0345

artillusltd@gmail.com

www.artillus.com

Our 12v or 24v Garnet super bright edge lit LED boards produce balanced lighting, shadow and hotspot free and will backlight any type of translucent material you care to imagine, such as thin cut stone, marble sheets, fabrics, vinyl etc. providing pure, unadulterated freedom for your creative mind to produce stunning wow factor lighting features for hotels, leisure centres, restaurants and homes.

FOCUS LED UK LTD.

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Tel: 0161 27 27 778

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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.

KINGS PLASTICS LTD

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

Tel: 0117 9411 411

www.kingsplastics.co.uk

White, warm white & coloured LED modules in 4 sizes and LED ribbon – Flexi ribbon & RGB ribbon. New our LED Flexi Neon in two different sizes & LED Cabochon bulbs. 12v power convertors, RGB controllers, together with a range of connectors. LEDS ideal for lettering & lightboxes. For full details on our range, prices and for images, check out our website & online shop. Competitive prices guaranteed!

LED MONKEY

129 Humberstone Road, Leicester
LE5 3AP

Tel: 0116 262 5933

sales@ledmonkey.com

www.ledmonkey.com

Since 2005, LED Solutions has supplied energy-efficient LED products, power supplies and control gear for use in the sign trade. We're UK distributors for Hitechled, specialising in ultra-reliable modules for signage illumination and offering a 5-year warranty on all products. We supply RGB modules, DMX systems, Flexible LED and IP-Rated Power Supplies and Enclosures from our HQ in Leicester city.

SIGNTRADE LETTERS LTD

225 Long Lane, London N3 2RL

Tel: 08085 456700

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.

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Unit 3.3 Strathclyde Business Park,
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sales@ispitrade.com

www.ispitrade.com

iSpi Trade is the UK's premier supplier of LED window display solutions. With A4, A3 and A2 size options in portrait or landscape, we can supply fully configured kits which are designed to match your windows specifications, plus we provide single panels, accessories and replacement parts, all at low trade prices.

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APPLELEC

Unit 1, Wharfedale Business Park,
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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 is available. Applelec's flat light unit LED Light Sheet is regularly used to create ultra slim light boxes with bright, even illumination at a depth of just 25mm.

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artillusltd@gmail.com

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DIAMOND 12v and 24v edge lit LED light boxes can be produced in any size up to 3000 x 1500mm. These ultra slim light boxes at 20mm or 16mm deep have a 25mm snap frame front and rounded corners for added safety. Custom sizes in single or multiple units can be made in single colour white LED, Dynamic White or RGB. Frame colours include Polished Silver, Gloss or Matt Black and Silver anodised.

BROWNING'S LTD

157 English Street, Hull, HU3 2BT

Tel: 01482 380900

sales@browningstld.co.uk

www.browningstld.co.uk

Brownings manufacture acrylic-faced light boxes to the TRADE ONLY. With in-house production and utilising our own UK Produced extrusions for both single and double-sided boxes. We can cater to all you individual, specific requirements. Boxes can be supplied; fully complete, in kit form or as full bar lengths. Please visit our website for more details and to see our full range of products.

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Tel: 0114 244 1171

www.anchor magnets.com

UK's largest stockist of magnetic & ferro material including universally printable & wide format digifilm® ferrous media (1600mm) supaferro® ferro sheet (1260mm) & supamag® magnetic sheet (1270mm) with the UK's highest pull force & anti-mark UV coating, in white, plain, self-adhesive & dry-wipe. For graphics, retail POS, signage, holding & hanging products use the UK's leading magnetic innovators.

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Trent, Staffs DE13 0BN

Tel: 01283 531000

sales@bisbellmagnets.com

www.bisbellmagnets.com

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.

MAGNETIC SOLUTIONS LTD

Brooklands Business Park, Leigh
Street, Sheffield S9 2PR

Tel: 0114 2422211

sales@magnetic-solutions-ltd.co.uk

www.magnetic-solutions-ltd.co.uk

Part of the Sanders Group, Europe's largest combined supplier of magnetic & ferro sheet materials including wide format, PVC FREE magnetic (1370mm) and ferrous media (1600mm). Also available, retail POS graphic materials, magnetic flooring, neo magnets, sign grippers and magnetic tape with a range of adhesive finishes to suit your requirements. We can provide the solutions.

MOULDED & FABRICATED PLASTICS

MERCURY & PHILLIPS SIGNS

51-59 Waterworks Road, Norwich
NR2 4DA

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.accentssigns.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: 08085 456700

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

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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.

NEON MANUFACTURERS (TRADE)

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.

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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

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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 REPLACEMENT LETTERS

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

Tel: 0121 561 4600

accsign1@aol.com

www.accentssigns.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.

APPLELEC

Unit 1, Wharfedale Business Park, Shetcliffe Lane, Bradford BD4 9RW

Tel: 01274 774477

sales@applelec.co.uk

www.applelec.co.uk

Trade suppliers of NeonLux, a faux neon letter system suitable for interior and exterior applications according to specification. Available in a range of colours and embedded with high quality LEDs to deliver bright, clear illumination. Don't forget, any shape or logo can be created, not just letters! Contact our friendly team for more information and request a free and unbranded product brochure.

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www.noticeme.org.uk

Sign companies come to us for a truly extensive range of standard and made to measure, indoor & outdoor notice boards and whiteboards. Standard internal pin boards are available in over 100 felt colours and our cut to size service is available on many products. We supply some extremely competitive outdoor notice boards to compliment your sign work. See our complete range of display products.

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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 and Styrene sheet.

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Building 38, Second Avenue, The Pensnett Estate, Kingswinford, West Midlands DY6 7UE

Tel: 01384 276400

sales@rblimited.co.uk

www.rightonblackburns.co.uk

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

TELEGAN PRESSED PRODUCTS LTD.

South Strand, Lawford, Manningtree, Essex CO11 1UP

Tel: 01206 803 580

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.

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Unit 4 Fordgate Business Park, Crabtree Manorway, North Belvedere, Kent DA17 6AS

Tel: 01322 444 400

sales@displaydevelopments.co.uk
www.displaydevelopments.co.uk

Display Developments began in 1956 and we have always strived to lead the field in providing first class service and consistently adding new and better products. We manufacture a wide range of display and Point of Sale products including snap frames, leaflet holders notice boards and menu displays etc.

POSTER HOLDERS / CASES

BROWNING'S LTD

157 English Street, Hull, HU3 2BT

Tel: 01482 380900

sales@browningstltd.co.uk

www.browningstltd.co.uk

Brownings manufacture Poster displays for the TRADE ONLY. With in-house production and utilising our own UK Produced extrusions. We can cater to all you individual, specific requirements. 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 with the option to illuminate.

PRINT/POSTER FRAMES

BROWNING'S LTD

157 English Street, Hull, HU3 2BT

Tel: 01482 380900

sales@browningstltd.co.uk

www.browningstltd.co.uk

Brownings manufacture poster frames to the TRADE ONLY. Bespoke sizes and colours are our speciality. With in-house production using our own U.K produced extrusions, we can cater for all your individual, specific requirements. Whether it may be a one off or a roll out program. Frames can be supplied complete, in kit form or as full lengths of extrusion for yourselves to cut and build.

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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.

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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.

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orders@signtradesupplies.co.uk

www.signtradesupplies.co.uk

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ROUTER CUTTERS/ PLOTTER BLADES

ATA ENGINEERING PROCESSES

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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.

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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.

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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 55 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

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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

15 Ridge Way, Hillend Industrial Estate, Dalgely Bay, Fife, KY11 9JH

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!

MERCURY & PHILLIPS SIGNS 51/59 Waterworks Rd. Norwich NR2 4DA

Tel: 01603 666699

sales@mercuryphillips.co.uk

www.mercuryphillipssigns.co.uk

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

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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

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Tel: 01384 276400

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www.rightonblackburns.co.uk

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

TELEGAN PRESSED PRODUCTS LTD.

South Strand, Lawford, Manningtree, Essex CO11 1UP

Tel: 01206 803580

sales@teleganpressedproducts.com

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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.

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Leading manufacturers of laser cutters and laser engravers. Trotec's broad range of flatbed, large format and galvo laser machines are available for demonstration in six dedicated showrooms across the UK and Ireland. In addition, Trotec's UK warehouse holds stock of thousands of rotary and engraving materials and accessories, available with next day delivery as standard.

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.

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enquiries@fkmoore.com

www.fkmoore.com

British manufacturers of screw type Brass Locator Nuts, Wall Fixings and stockists of Nylon Locators for the Sign and Shopfitting Industries. As well as other shopfittings, we also manufacture Coverhead Screws, either Flat, Dome, Conical or Mushroom shape in various finishes, in addition to the famous "Moore's Super Clips" mirror fixings.

SIGN POSTS & FIXINGS

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Britannia House, Granville Road, Maidstone, Kent ME14 2BJ

Tel: 01622 689 410

orders@signtradesupplies.co.uk

www.signtradesupplies.co.uk

Supplying a variety of sign making supplies nationwide including aluminium signs posts, post clips, fixings, vinyl and tools. We have a large UK stock of Image Perfect vinyl, sign fixings and aluminium extrusions ready for same day despatch. We also provide trade manufacturing service including diamond edge polished acrylic, flat cut acrylic lettering, sign trays and more.

SIGN SUPPORT SYSTEMS

E-SIGNFITTINGS HOBBDAY 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.

ISPI TRADE LTD

Unit 3.3 Strathclyde Business Park,
19 Starling Way, Bellshill ML4 3PU

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.

SHOPKIT GROUP LTD

Unit B, 100 Cecil Street, Watford,
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Tel: 01923 818282

www.shopkit.com/brochures/

Shopkit manufactures a wide range of sign support systems in our UK FACTORY, offering COMPETITIVE PRICES on quality products, working in different metal finishes with an ONLINE SHOP with next day delivery and quick lead times on CUSTOM ITEMS. Products include project fixings & sign standoffs, banner systems, rod signage supports & cable signage systems all for both interior & exterior use.

SIGN SURVEYOR

PB WILLIAMS SIGN SURVEYOR

48 Durlley Rd, Aintree L9 9AW

Tel: 07885 486 182

achromesigns@yahoo.co.uk

We specialise in sign surveying to the trade, with 30 years of experience as a sign fitter/manufacture. 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

APPLELEC

Unit 1, Wharfedale Business Park,
Shetcliffe Lane, Bradford BD4 9RW

Tel: 01274 774477

sales@applelec.co.uk

www.applelec.co.uk

Highly confidential, trade only supplier to the sign industry. From metal flat cuts and built up letters to fascia, projecting and totem signs along with leading components such as our stocked SloanLED modules. Operating for over 20 years, our manufacturing facilities are constantly advancing to ensure we're always ready to help with your next project. Ask for our free unbranded product brochures.

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157 English Street, Hull, HU3 2BT

Tel: 01482 380900

sales@browningsltd.co.uk

www.browningsltd.co.uk

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SIGN TRADE SUPPLIES LTD

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Maidstone, Kent ME14 2BJ

Tel: 01622 689 410

orders@signtradesupplies.co.uk

www.signtradesupplies.co.uk

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LE5 3AP

Tel: 0116 262 6288

sales@sygnetgroup.co.uk

www.sygnetgroup.co.uk

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sales@apptape.co.uk

www.apptape.co.uk

Suppliers of various speciality films including Etch glass, Reflective, Fluorescent, Reflexite daybrite, Reflexite prismatic reflective, Hi intensity reflective, Photoluminescent, Cast metallics, 2yr Fluorescent, Gemstone metallics, Multi lens, Transparent colours, Checker plate, Mirror colours, Prismatic colours, Glitter colours, Brushed aluminium silver and gold.

MACTAC UK LTD

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Pavilion Drive, Northampton
Business Park, Northampton NN4 7PA

Tel: 01604 644697

www.mactacgraphics.eu

Mactac is a global manufacturer of many different PVC, PET, PP and PE self-adhesive films. Specialities include etched films, fluorescents, phosphorescents, mirror films, rear projection films, erasable films and textured laminates – all designed to complement and enhance your creative talent.

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enquiries@sott.co.uk

www.sott.co.uk

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TEXTILE SIGNAGE

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157 English Street, Hull, HU3 2BT

Tel: 01482 380900

sales@browningsltd.co.uk

www.browningsltd.co.uk

Brownings manufacture Textile signage for the TRADE ONLY. With in-house production and utilising our own UK Produced extrusions. We can cater to all your individual, specific requirements. Our TEXSIGN is intended for internal use only and is developed with ease of graphic change in mind. Profiles range from 18mm to 180mm and can be illuminated. Please visit our website or call for more details.

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Southern England

Tel: 01865 863 669

Mob: 07906 177 276

signs@baileysigns.co.uk

www.baileysigns.co.uk

Bailey's signs is a specialist in the more traditional techniques of sign making such as Traditional Sign-writing & pictorial signs / Honours boards, Gold & silver leaf gilding on signs or glass / Restoration & Conservation area signs / Heraldic shield signs / Coach lining sign-work / Decorative Artwork / Mural / Fresco / Fine art / Portraiture / Picture & Mirror frame gilt work / Pub signs.

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Manufacturers of Transfer Papers and Materials used in conjunction with Laser Printers and Copiers (toner based) for full colour image transfer onto T-Shirts, Caps, Polo's, Mugs, Mousemats etc. Plus Magicut® film for use with Plotter/Cutter for heat transfer.

TROUGH LIGHTING

BROWNINGS LTD

157 English Street, Hull, HU3 2BT

Tel: 01482 380900

sales@browningsltd.co.uk

www.browningsltd.co.uk

Brownings manufacture Troughlights for the TRADE ONLY. With in-house production and utilising our own UK Produced extrusion. We can cater to all your individual, specific requirements. Illumination comes in three different depths: up to 3 different depths: up to 1500mm, up to 4m and over 4m. Please visit our website for more details and to see our full product range.

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Mob: 0756 4057 343

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With 28 years experience in the industry, specialising in the installation of office manifestations, window films, office graphics, general signage, vehicle graphics, I can work as an additional member of your team on larger projects, or where there is a tight deadline, can also work on my own initiative. Available by the day or the by the job, flexible approach to work hours.

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Lancashire OL12 9EF

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sales@aptape.co.uk

www.aptape.co.uk

Distributors of Ritrama UK's full range of signmaking vinyls including their complete portfolio of Digital Films. We also have available a full range of signmaking vinyls manufactured in the UK by KPMF. We stock a range of application tapes from R Tape USA and various Digital Media manufactured by LG Hausys. Discounts available on credit card payments.

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1JR

Tel: 01670 59 2095

graphics.averydennison.eu

Avery Dennison is a leading manufacturer of high-performance self-adhesive materials, for vehicle and building graphics – including digital, cut and screen applications. We innovate constantly to make graphics exciting and easy to install. Decades of know-how and the latest technologies (e.g. Easy Apply Technology and Supreme Wrapping Film) help you to transform your ideas into impactful messages.

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Tel: 01827 300500

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Tel: 01262 602 222

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Suppliers of Ritrama vinyl & application tape, Poli-Tape HTV and digital media, R-Tape vinyl EFX digital printable media. Trade conversion available on state of the art machinery – we can convert your vinyl & digital materials to any size required. No account needed

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Room 232, Victory House, 400

Pavilion Drive, Northampton

Business Park, Northampton NN4

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Tel: 01604 644697

www.mactacgraphics.eu

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Tel: 0151 272 1234

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Enterprise Park, Clarence Avenue,

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Tel: 0161 872 5666

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SIGN TRADE SUPPLIES LTD

Britannia House, Granville Road,

Maidstone, Kent ME14 2BJ

Tel: 01622 689 410

orders@signtradesupplies.co.uk

www.signtradesupplies.co.uk

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SPANDEX UK

1600 Park Avenue, Aztec West,

Almondsbury, Bristol, BS32 4UA

Tel: 0800 77 26 33

info@spandex.com

www.spandex.co.uk

Spandex distributes products from leading material and equipment brands for sign making, graphic production, digital printing, vehicle wrapping, interior décor and textile printing. We offer products from 3M, Avery Dennison, Arlon, ORAFOL, ImagePerfect, STEK, HP, Epson, Roland and many others.

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APPLELEC

Unit 1, Wharfedale Business Park,

Shetcliffe Lane, Bradford BD4 9RW

Tel: 01274 774477

sales@applelec.co.uk

www.applelec.co.uk

Trade suppliers of curved or flat-faced way-finding and aluminium display systems with directories incorporating wall mounted, projecting and totem signs. Poster display frames with a snap side profile to allow for easy interchange of inserts and an exterior light box series is available. Please contact our friendly team for more information and to request our free and unbranded product brochures.

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www.icesigns.co.uk

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www.colourgen.com

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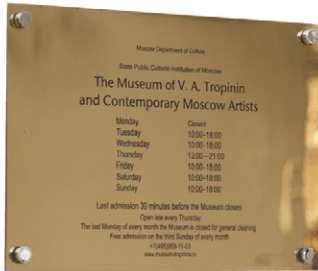
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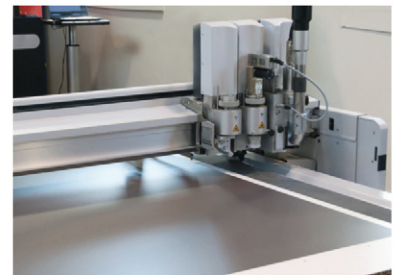
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