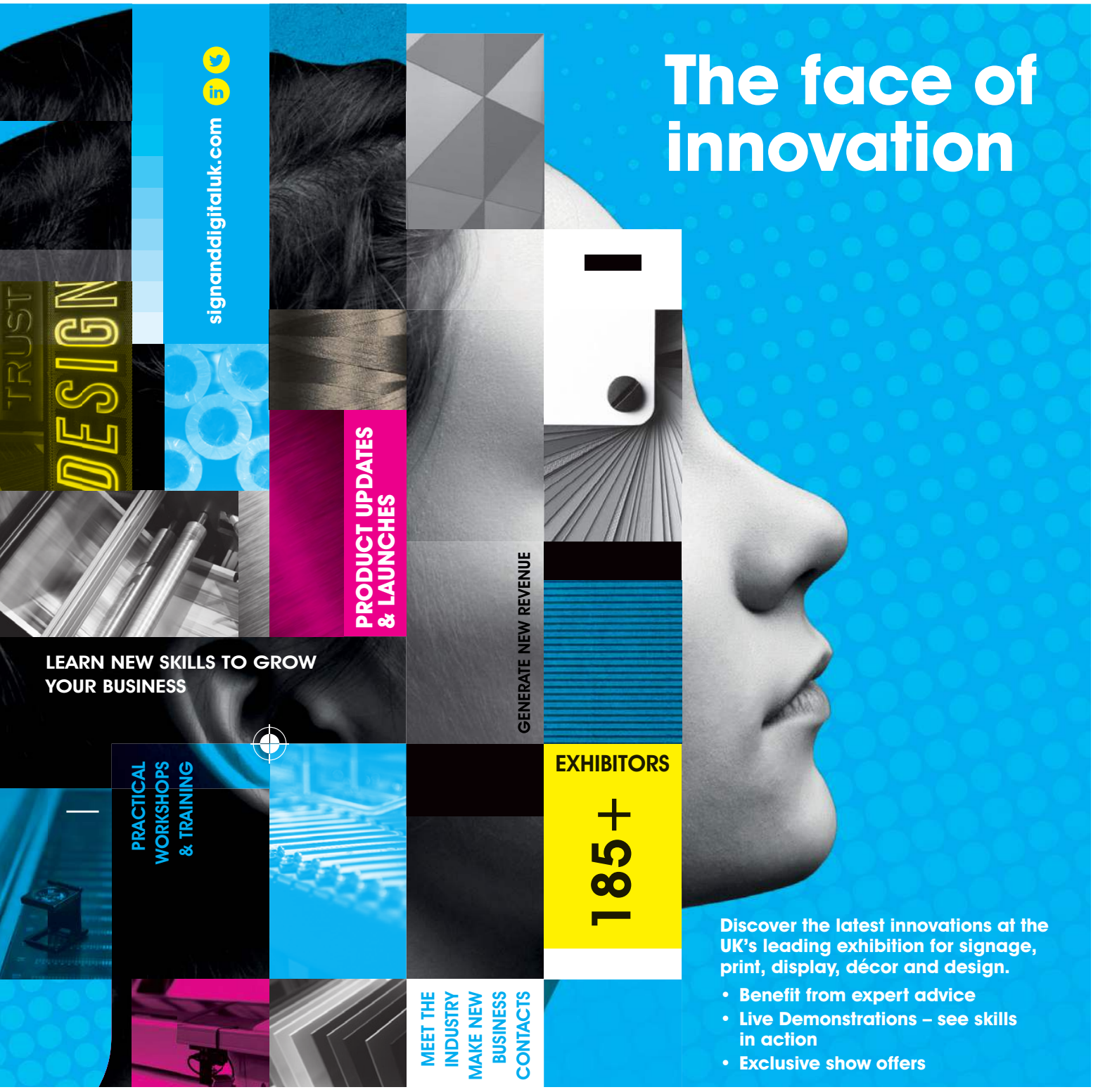
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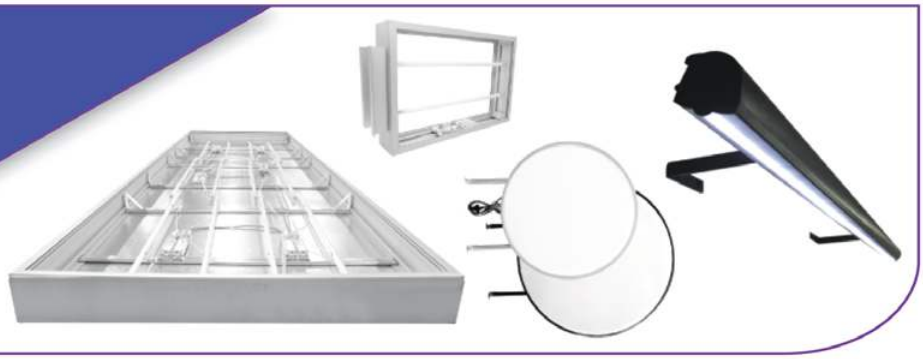


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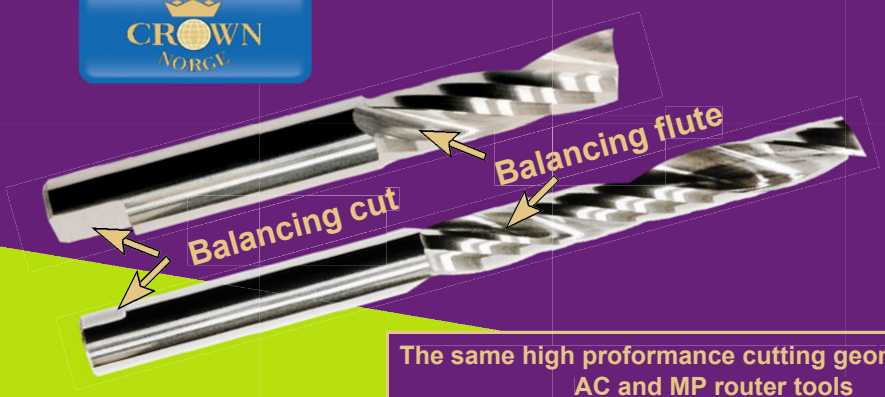
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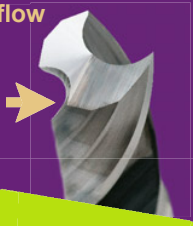
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WELCOME Page

Plugging into potential

The amount of electricity generated in the UK last year fell to its lowest level in 25 years, according to a recent Carbon Brief analysis. Low energy lightbulbs can cut electricity use by up to 90%, offering great potential for sign makers thinking of manufacturing systems such as Flex Face light boxes using LEDs. It is only relatively recently that technical developments in brightness and colour availability have made LED illumination the technology of choice for use with signage.

Our special feature in this issue explores the range of possibilities within this growing market and the versatile systems available to produce both these and non-illuminated frames.

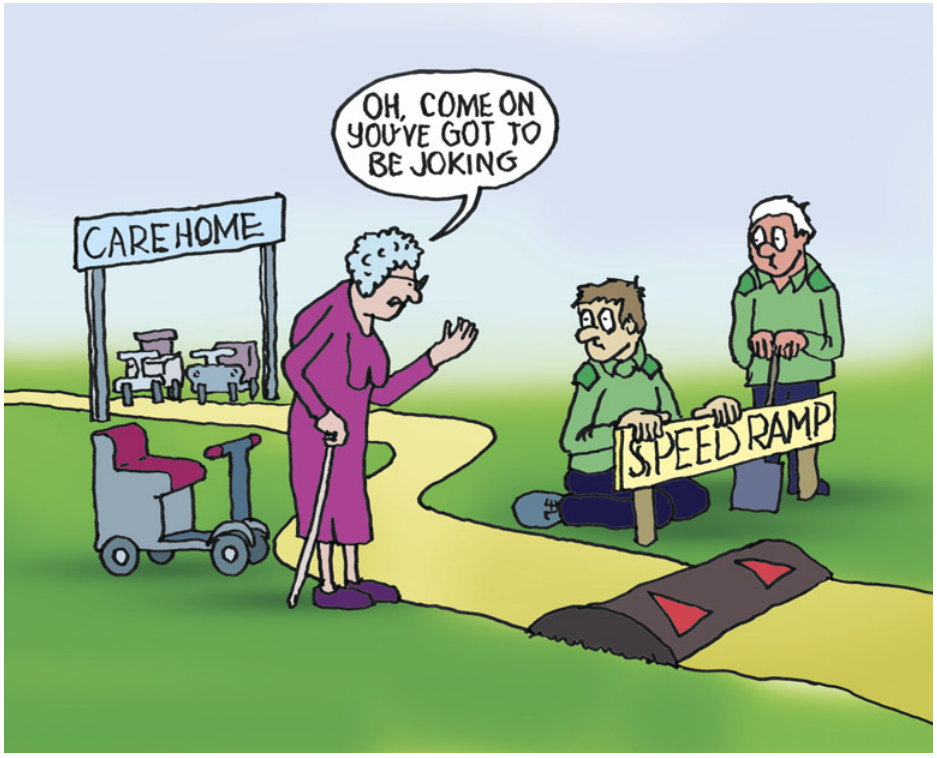
A feature on entry level printers discusses how to enter the large format printer market for a relatively fast return on investment. In addition, leading companies in the business offer suggestions on how to select the right fixtures and fittings for your sign projects to ensure a quality finish and high levels of safety.

Furthermore, we bring you the latest product and sign industry news along with projects and equipment applications.

In the next issue (March-April): a comprehensive preview of Sign & Digital UK which promises exciting new features along with leading brands and innovative technologies, while a special feature on sheet materials will highlight the latest products, applications and procedures for sign makers.

Editor

Sue Deane



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Sustainable composite fibre-board solution for visual communications

Antalis has added to its visual communications portfolio to provide customers in the UK with exclusive access to an innovative ultra-lightweight and sustainable composite fibre-board solution. Xanita board is environmentally-friendly, lightweight, strong and suitable for a wide range of decorative and structural applications including POS, shop-fit and exhibition design.

The addition of the Xanita range strengthens Antalis' sustainable offering as the crackdown on single-use plastic continues amid growing demands from consumers for brands to provide more robust sustainable options.

Xanita board is made from 100% post-consumer kraft and sugar cane waste in the core and is fully recyclable and repulpable alongside normal paper waste. Plastic-free, it uses VOC-free adhesives, FSC sourced liners and is ECF certified; all materials in the board are non-toxic.

In addition, Xanita board is practical and functional for visual communication applications, particularly the retail sector. Where MDF or honeycomb boards may typically be used in retail fit-outs, Xanita offers a credible alternative being a quarter of the weight of MDF while remaining significantly stronger than honeycomb boards. This allows for faster installation



Xanita fibre-board is suitable for a wide range of decorative and structural applications including POS, shop-fit and exhibition design.

and reduced health and safety risks and is much easier to transport to site. Due to its closed-cell core the Xanita board offers superior crush resistance, making it a viable alternative to honeycomb boards, which have a much more open cell and therefore less stable and prone to damage and warping. Excellent moisture resistance makes it ideal for use in indoor hanging signage where flatness can be an issue when using other boards.

Paul Neale, visual communications product manager for rigid & synthetic sheets comments: "The launch of Xanita within our visual communication portfolio is an exceptional offering for our customers and we are thrilled to pick up the sustainability mantle and be the first in the UK to bring this innovative product to the market. At this turning point, with the spotlight firmly on the importance of sustainable options and the move away from plastic, the benefits delivered through Xanita board's sustainability and strength makes it an ideal solution for a wide range of signage and display applications.

"We are expecting an incredibly positive response from our customers who are under pressure to go plastic-free and opt for sustainable visual applications that don't compromise on quality."

Xanita board is available in a range of specifications and flexible size options, along with a wide selection of cut file designs to choose from on demand.

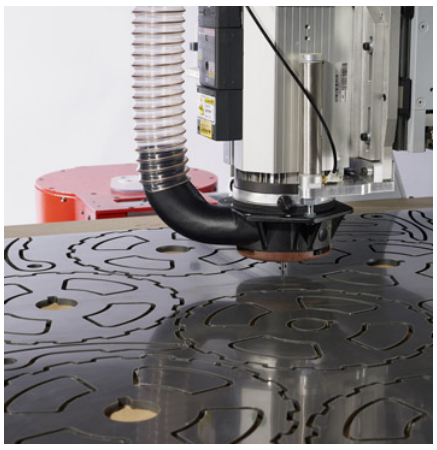
www.antalis.co.uk

AXYZ routers now supplied with VECTRIC software as an option

Routing and cutting systems supplied by AXYZ International to the sign and graphics industry are now supplied as standard with the VCarve Pro and optional Aspire design and production software programs developed by VECTRIC. Both programs are said to provide all of the necessary tools for 2D and more advanced 3D applications.

VCarve Pro is said to be the complete solution for 2D work, incorporating advanced design and production tools. The program enables users to import and toolpath a single 3D model as well as providing support to import multiple VECTRIC Clipart 3D models to create more advanced 3D constructions. Key features include the ability to process parts in excess of 600 x 600mm (24 x 24 inches) in size, a toolpath preview function that allows operatives to see how the parts will look when the routing/cutting process has been completed and true shape nesting for material optimisation.

Aspire is described as the easiest route by which users can progress from a 2D drawing to a high definition 3D design and the subsequent creation of machine toolpaths. In addition to all of the design and production tools provided by VCarve Pro, Aspire incorporates 3D construction tools that enable engagement with a wide range of applications beyond sign-making, enabling machine owners to maximise new market opportunities.



Aspire is said to be the easiest route by which users can progress from a 2D drawing to a high definition 3D design and subsequent creation of machine toolpaths.

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Plastics polishing machines give signmakers the edge

As the exclusive UK and Ireland distributor for plastics finishing machines specialist manufacturer AF Acryl in Germany, Hampshire-based AWLTECH has introduced two versions of the AF 110-45 diamond edge-polishing solution. The ECO and XL models have common as well as individual design and performance characteristics, with the latter being more suited to heavier-duty finishing/polishing requirements.

These machines have been developed to enable manufacturers, primarily those in the signage, plastics fabrication, general engineering and architectural design and build sectors, to incorporate either a high gloss or matt finish to a wide range of acrylic and thermoplastic materials.

Typically, these include PMMA, PETG, PVC and PC formulations that are used extensively in these end user industries using either a natural or synthetic (PCD) diamond-based cutter.



The AF 110-45 edge-polisher has a relatively small footprint with a working height of 950mm and a width of 1,300mm.

The AF 110-45 edge-polisher has a relatively small footprint with a working height of just 950mm and a width of 1,300mm to better accommodate the production requirements of companies where available work space may be at a premium. The machine has a feed rate of up to 4.2 metres/minute and will handle materials in a thickness of up to 45mm, removing around 0.5mm of material in the polishing/finishing process.

Key design features include a feed adjustment potentiometer, machine clamping system, electronic operation desk, infeed/outfeed rails up to 600mm in length and an optional upper roller support facility to enable the processing of larger sheets of material.

CE-rated and supplied with a 12-month performance warranty, the AF 110 can be demonstrated by a member of AWLTECH's technical team at the company's premises in Alton, Hampshire.

www.awltech.co.uk

UV-LED inkjet printheads extend productivity

Azon Matrix R industrial series offers flat-bed UV-LED inkjet printing solutions with optional bed sizes of 800 mm x 1600 mm/1600 mm x 2500/3200 mm.

This platform is able to print on to substrates up to 25cm in height and capable of handling heavy materials up to 100 kg for indoor, outdoor and industrial applications. Azon Matrix R series extends productivity and creativity by printing directly onto any type of material including ABS, polycarbonate, TPU, PVC, wood, stone, glass, canvas, ceramic and aluminum. This latest version comes with four channels and four colours due to its four-row construction choice with 1,200 nozzles per color and full greyscale which enables printing speeds up to 25,8 m^2/hr. Designed for 100 billion actuations per nozzle, the Gen5 is designed to last.



Azon Matrix R series supports sign makers and enters new business areas with a diversified approach for future market demands.

Along with new Gen5 print heads, full-featured Azon RIP software and flex, Phthalate free ink with EN 71-3 certificate ensures quality print and safe use on various applications and overall the lowest running ink cost per 1m^2. The versatility of white ink as a base for high density CMYK layer delivers unusual and creative textures on all materials.

Azon Matrix R series supports sign makers and enters new business areas with a diversified approach for future market demands in home décor, interior design and the graphics industry.

www.azonprinter.com

RIP solution with APPE 5.1 takes print production to next level

Onyx Graphics has released the latest version of its wide- and grand-format RIP software. ONYX 18.5 is said to take print production to the next level as “the first wide format RIP solution with Adobe PDF Print Engine 5.1 (APPE 5.1)”. With APPE 5.1 users benefit from the latest technological advancements for complete design-to-print workflows including high impact colour rendering, smoother edges for graphics, enhanced Unicode support; plus support for PDF 2.0 features including black-point compensation, half-tone origin, special data for spot colour and page-level output intent.

“ONYX 18.5 continues to lead the wide format print industry with technological advancements that future-proof print service providers needing to differentiate themselves from their competition,” says director of product marketing Bryan Manwaring. “Helping our customers stay ahead of the curve and enabling them to take advantage of unrivalled RIP and production speeds are achievements that



Users benefit from the latest technological advancements for complete design-to-print workflows including high impact colour rendering

can greatly benefit their operations for years to come.”

ONYX 18.5 introduces new Quick Set application library management for improved automation, enhanced iccMAX compatibility with support for third party files and new spot colour tools for greater colour accuracy and vibrancy. Coupled with new ColorCheck reports, ONYX 18.5 delivers output that can be validated to print buyers. Highlights include faster RIP and production speeds and added spot colour vibrancy with Relative Gamut Mapping chroma preservation

ONYX 18.5 software covering the entire product portfolio including ONYX Thrive print workflow and ONYX ProductionHouse, ONYX PosterShop and ONYX RIPCenter RIP software, is available to all ONYX Advantage customers by requesting a key update and to all other customers through a licence purchase. The ONYX Advantage subscription programme gives software users a quick and easy way to keep their software current and secure their investment. Customers who are not subscribers should contact their local Authorised ONYX Reseller.

www.onyxgfx.com

Weatherproof, self-adhesive films for retroreflective signage

Antalis has introduced a full range of economy grade retroreflective films to its visual communication range. Oralite 5200 weather-proof, self-adhesive is specially developed for the manufacture of information signs.

The Oralite 5200 Economy Grade is a high quality retroreflective film with an excellent corrosion and solvent resistance, developed for outdoor applications. Available in white, yellow, orange, red, green and blue, the films are said to provide an extremely smooth and scratch-resistant finish. Suitable for road and traffic signs, the film is particularly effective for vehicle wrapping on emergency service vehicles, which may need to be more visible at night.

The retroreflective system of the Oralite 5200 Economy Grade consists of catadioptric glass beads which are embedded in a transparent layer of plastic material, allowing for light to be reflected and refracted while reducing aberration. The smooth surface shows a high scratch resistance and impact strength and a very good printability. Oralite 5200 can be screen printed with Oralite 5018 screen printing ink or inkjet printed with most solvent based inks, UV or latex inks. Oralite 5200 Economy Grade has an adhesive with an outstanding adhesion on metallic surfaces including aluminium and zinc coated steel plate.

Mike Collins, product manager for visual communications at Antalis UK, comments: “We are delighted to introduce the new economy grade Oralite retroreflective solution from Orafol to share yet another newly-developed product innovation with our customers, allowing them to tap into new revenue streams and markets.

Oralite is an advanced solution and the films provide great options for many advertising companies and local authorities who are looking for



Suitable for road and traffic signs, the film is particularly effective for vehicle wrapping on emergency service vehicles, which may need to be more visible at night.

retroreflective signage and displays, with the added benefit of suitability for outdoor environments.

www.antalis.co.uk

Versatile tubular display stands with powerful magnetism

A reconfigurable, multi-purpose range of tubular frames designed to increase the flexibility of display stands is the latest innovation to be launched by Ultima Displays. Combining the best features of Formulate and Modular Vector, Modulate consists of a set of frames made from 30mm diameter aluminium tubes covered with a printed textile tension graphic, which are connected using powerful magnets inside each frame.

"Modulate is one of the most versatile and effective solutions on the market and we are delighted to expand our offering with this family of products," says product manager Andy Jakes.

"We are constantly looking for innovative and original ways to offer our customers the very best display solutions in the industry. Formulate and Modular Vector are two of our most distinguished and popular ranges and our new collection enables our customers to take advantage of the best components of both."



Modulate frames can be reconfigured to create a solution for any requirement or setting.

Modulate is characterised by the lightweight, durable features of Formulate while maintaining Modular Vector's strong visual impact and versatile, creative designs. Different Modulate frames can be reconfigured to create a solution for any requirement or setting from boardrooms to company receptions, sales outlets to shopping centres and exhibition venues to trade shows.

Aluminium tubular frames in 11 shapes and sizes can be used alone or combined to create hundreds of possible configurations. The magnetic connectors enable each structure to extend the elevation by an extra 40cm so customers can use the same frame at two heights.

"The powerful 360-degree magnets in the patent-pending MagLink system sets Modulate apart from other solutions, making the frames both easy to assemble and easy to reconfigure," says Andy. "Each frame can be connected magnetically at any angle, allowing the customer to swap a simple wall of images to an exhibition stand within a few minutes."

Each Modulate frame comes with a 5-year hardware warranty and a carry bag with dedicated slots for feet and graphics.

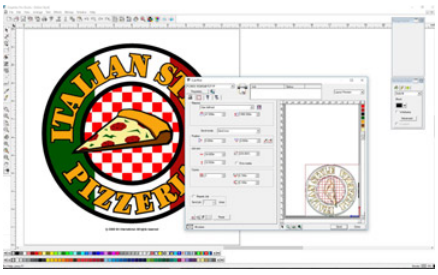
www.ultimadisplays.co.uk

Graphtec GB upgrades CAD/CAM software options

Graphtec GB is now supplying as standard its own brand Graphtec Pro Studio and Graphtec Pro Studio PLUS software programs. These are based on the widely specified FlexiSIGN family of software developed by global specialist SAi for which Graphtec GB is a preferred business partner and exclusive UK and Ireland distributor. The software is included as part of the package on Graphtec cutting plotters and offers compatibility with over 30 different popular file formats including AI, CMX, EPS and DXF.

In addition to basic tool functions the software provides more advanced options such as shape editing and auto trace and weld combined. Key features include automatic registration mark creation, tiling, an ability to create multiple copies of the same object for cutting, the addition of weed and border cut lines, tool assignment and condition settings (including cutting force and speed). Graphtec Pro Studio supports the latest Version 6 of Graphtec's proprietary ARMS (Automatic Registration Mark Sensing) system for optimum material alignment and cutting accuracy.

The complementary Graphtec Pro Studio PLUS program provides additional and more advanced tool functions for increased productivity. These include the ability to transform graphics and characters, enable automatic sequence numbering, bar code, QR and serialised number creation, power nesting and template production for rhinestone applications. Graphtec GB now supplies Cutting Master 4 as a plug-in software option for Adobe Illustrator and CorelDraw graphics suites and EnRoute V6 that provides 2D and 3D routing functions..



Graphtec GB is now supplying as standard its own brand Graphtec Pro Studio and Graphtec Pro Studio PLUS software programs

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Economically priced roll-to-roll LED-UV flatbed printers

InkTec has added three new JETRIX printers to its extensive range of roll-to-roll LED-UV flatbed printers.

Based on the tried and tested technology of the KX6 and KX7, the eight-channel LXi6 and LXi7 LED-UV flatbed printers have been designed and developed to deliver high efficiency and come equipped with even more advanced systems than their previous counterparts including a smarter GUI.



Capable of top speeds of 78m²/hr with a maximum resolution of 1,080 dpi, the LXi6 is pitched as a mid-range LED-UV flatbed printer.

A stronger vacuum combined with functional and vibrant ink make them extremely easy and convenient to use, says Jetrix.

The smaller LXi6 takes media up to 2.5 x 1.28m and the LXi7 extends the media size up to 2.5 x 3.06m with both offering an optional enhanced roll-to-roll option.

Capable of top speeds of 78m²/hr with a maximum resolution of 1,080 dpi and with prices at circa £100k and £130k respectively, both are being pitched as "the perfect mid-range LED-UV flatbed printer for print providers looking to enter the wide format or upgrade current equipment". Building on the success of the larger LXiR320, the 1.9m wide LXiR190 is a narrower version to enable the printer to easily use two 914mm rolls at once, which will double the production speed of jobs. This machine prints at a maximum resolution of 720 x 1,440 dpi and up to speeds of 45m²/hr, making it suitable for many roll based applications including banners, graphics, wall coverings and textiles. The JETRIX LXiR190 is economically priced at around £45k to again encourage demand from solvent printers wanting to move to UV.

Head of sales Ben Woodruff says: "These newest machines encompass everything that is great about the introduction of LED technology. They are more environmentally friendly, more efficient to run, eliminate the need for frequent lamp replacement and more importantly, create cost savings.

These machines will be officially launched at Sign & Digital UK, however while these printers see InkTec venturing into new areas, initial conversations have been extremely positive.

We are therefore predicting that with the introduction of these three new printers, 2019 will see a lot more JETRIX printers in the UK."

www.inktec-europe.com

Specialist digital print media for interiors

Innotech Digital has relaunched two of its specialist digital print media for interiors. Available exclusively through Innotech, the 1200gsm Vistaflex Printable Floor Lino is available in 2.2m and 3.2m wide rolls. Slip rated to R10 certification, it has a heavy duty PVC surface with foam PVC underlay, preventing movement and impact.

"It was originally designed for short term exhibition, events and promotional purposes," says marketing manager Kieran Dallow, "but as it is exceptionally hard wearing and the colour output is vibrant and consistent through a wide range of UV printers, it has opened up new markets for trade printers and can be used for a variety of interior applications including corporate and domestic."

In addition, Innotech has released a 'How-to' video, demonstrating how to create perfect canvas frames every time. Vertex Elements Canvas is a bright white, matt coated 100% polyester designed for stretch canvas applications at a budget price and the texture eliminates any reflection. A grey back version is designed to reduce opacity and light show through as well as a poly-cotton canvas. The poly-cotton Vertex Elements canvas retains an authentic feel for high end, fine art projects and is a cotton rich seedless canvas with a coating that speeds up the drying process and maximises colour saturation.

Suitable for use with Eco Solvent, Solvent, UV and Latex inks, Vertex Elements canvases come in 914mm to 3.1m widths and are available for next day delivery.

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Slip rated to R10 certification, it has a heavy duty PVC surface with foam PVC underlay, preventing movement and impact.

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Entry Level Wide Format Printers for Sign-Makers

Taking the Plunge *- by Jack Gocher*

No one likes to turn away work if they can possibly avoid it. Particularly when the request comes from existing customers. Posters, banners, cut vinyl, wall-coverings, vehicle wraps, window graphics; these are all the sorts of applications that can be added to a sign-maker's portfolio with a relatively manageable investment, now more so than ever.

If you are a sign-maker that has so far resisted the move into large format digital print, it may well be time to take a deep breath and jump in. The main manufacturers of these printers really know what they are doing now and many have compressed all that leading-edge technology into solid, reliable, high quality and easy to use machines that don't take up huge amounts of space. More to the point, the cost relative to what these printers can do has come down to the extent that return on investment can be fairly fast, particularly as the order book fills up.

This feature takes a look at some of the market-leading printers and integrated printing and cutting machines that you could consider taking on. There are of course further requirements, such as a laminator, other finishing equipment, software and so on, but these machines are designed to provide all you need to get going straight away.

Bear in mind, whichever machine you select, you will need to work with companies that can provide support and maintenance, media and ink. This could of course be the same company that you bought the printer from and that could well be worth considering. This will be a company that you will be sharing the journey with and you should feel they are a company you can trust to help and support you properly. Check out some reviews, ask to speak to other customers similar to you that have made the investment and see how they have got on.











A new wide format printer can open up many new application possibilities

Success in business is largely to do with maximising the amount of work you can do for your best customers. Increasing your capabilities through additional equipment will allow you to build better and more lasting relationships. Before making the investment, perhaps talk to your top customers about your intentions and discuss with them what sort of work they could put your way. If it's banners and posters, consider a more powerful, wider machine. If it is lots of cut vinyl lettering and decals, then maybe it is worth adding a cutter or even an integrated print and cut machine. It is always worth giving yourself a headstart if you can.

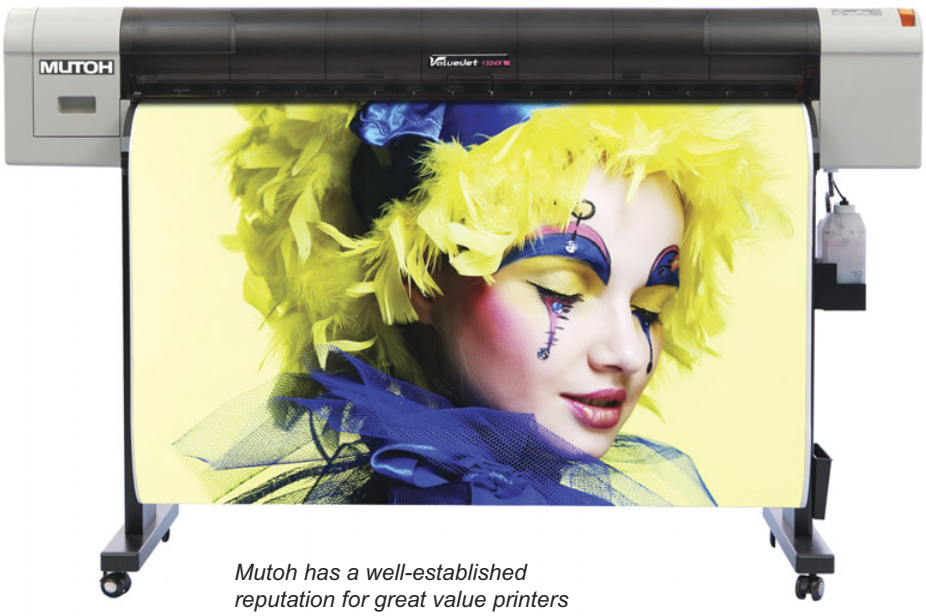
If you are thinking of taking the plunge, we hope this insight into some of the more popular machines is helpful. There is a whole range of technology options, but as a new user you want something as versatile and easy to use as possible that will deliver the quality that customers will love. Good luck!

Mutoh makes life easy

Mutoh ValueJet 1324X (54”)

Mutoh has designed its ValueJet 1324X specifically for sign-makers taking their first steps into wide format printing. It features piezo inkjet head technology, is solidly built and includes latest generation electronics.

Melanie Enser, Product Marketing Manager for Colourgen explains, “Mutoh’s core philosophy is to deliver products that provide the speed, reliability, efficiency and value for money that a sign-maker making its first investment in wide format expects. The ValueJet 1324X is an ideal choice for a sign maker looking to invest for the first time in wide format because it delivers great print quality, can handle a broad range of applications and is very easy to use and look after.”



Mutoh has a well-established reputation for great value printers

Simplicity is the hallmark of this printer. Mutoh says it is easy to install, operate and maintain and will allow both experienced as well as new sign-makers to simply get on and print. Being able to say yes to as many potential projects as possible is key to making money when entering into a new area and the Mutoh can deliver short print runs as well as volume production runs at decent speeds up to 16.4 m²/h. It is a solid and reliable workhorse for all high-quality indoor and outdoor graphics.

Enser adds, “Mutoh has been in this market for a long time and it knows what many companies are looking for from its printers. For sign-makers the ValueJet 1324X has the speed and quality to address the sign-makers’ key requirement of volume production of outdoor prints. It is ideal for producing long-term outdoor posters, signs and banners, backlit signage, POS displays, vehicle graphics as well as high quality durable prints for indoor use.”

Mutoh also says the 1324X offers a rapid return on investment, which is another key requirement for sign-makers entering this market. The printer offers a strong combination of value and ease of use with consistent high quality output with hardly any periodic maintenance required. It allows the user to switch quickly between different types of print jobs, which means it can be running and earning for more time. A low ink consumption (average 8 ml/m² on uncoated PVC) will also reduce the average cost per print, allowing the sign-maker to be more competitive and increase potential margins.



The Mutoh ValueJet 1604X offers greater width and performance

Mutoh VJ 1604X (64”)

Sign-makers looking for a slightly larger printer that can offer more in terms of productivity and speed also have the option of the Mutoh ValueJet 1604X. This machine offers the extra versatility sign-makers need to ensure their investment will be a profitable and successful one. It is ideally suited for the production of long term outdoor and indoor print on a wide range of uncoated and coated substrates: posters, backlit signage, wall coverings, POS displays, fine art reproduction, vehicle graphics, stickers and more.

.....Continued on page 16

Roland can deliver it all

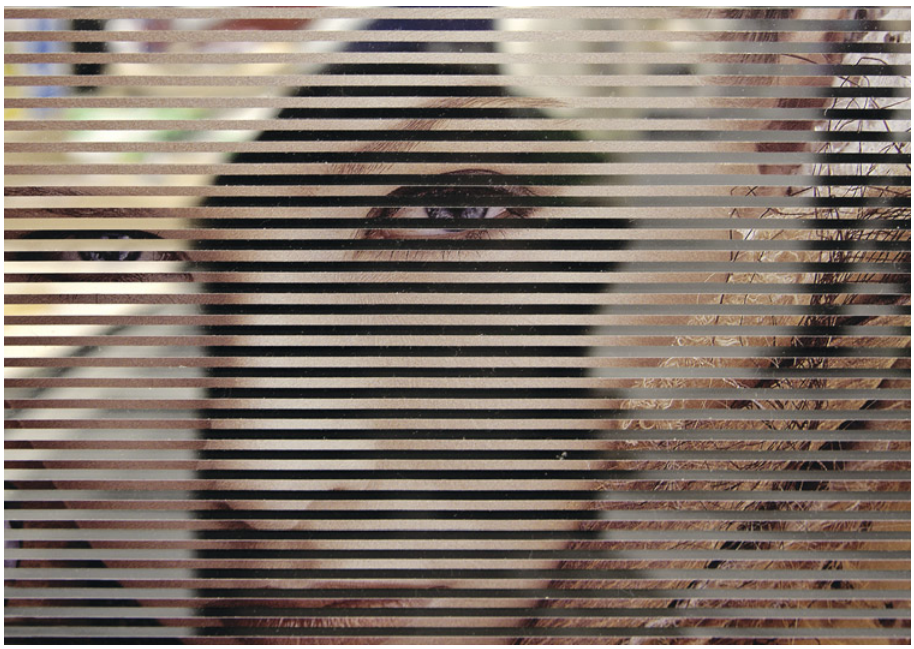
According to Roland DG, it's a really exciting time for sign-makers moving into the wide-format print market. Technology is constantly evolving, and at present businesses can take advantage of printing systems that are technologically advanced yet easy to use, highly productive yet extremely versatile, and very affordable – making digital wide-format printing potentially more profitable than it's ever been before.



The Roland TrueVIS SG range of integrated printer/cutters

Rob Goleniowski, Head of Sales – UK & Ireland – Roland DG (UK) Ltd, says, "The Roland TrueVIS SG inkjet range is great technology for print businesses at all levels, including sign-makers looking to increase their productivity, turnaround speed and quality, or to diversify into new markets and applications. The entry-level TrueVIS SG series is available in two models at affordable price points – the 54" (1371mm) wide TrueVIS SG-540 and the more compact 30" (762mm) TrueVIS SG-300 – both offering super-sharp image output in vibrant colours, quickly and easily. The technology communicates with users' existing phones and tablets to make operating simple – even remotely, a real bonus for small business-owners who can't be in two places at once!"

Goleniowski adds that TrueVIS also has a secret weapon in the form of an integrated cutting system. "The Roland TrueVIS SG-540 and TrueVIS SG-300 are both combination printer/cutters, meaning users can print, crease and contour-cut on one system, at a similar price point to a standalone wide-format printer. This represents a fantastic double investment for any company moving into wide-format print. For sign-makers, it accelerates the production of signs, posters, banners and displays, and puts other applications such as vehicle wraps, decals, labels and apparel transfers within immediate reach too. The Roland TrueVIS SG duo has been designed to give users everything they need to grow their business, quickly and affordably."



Roland says integrated printer/cutter machines offer greatest versatility

However, it's really important for print service providers to consider their future plans as well as their present needs. Investing in a larger, more advanced printer from the beginning could make financial sense long term, by offering more capabilities and enabling a business to grow faster. Rob says, "The next level from TrueVIS SG is the Roland TrueVIS VG series – printer/cutter systems with all the fantastic features of SG, and more. There is a choice of ink configurations on the TrueVIS VG-640 and VG-540: dual CMYK for maximum productivity, or CMYK plus Light Cyan, Light Magenta and Light Black for fine details and smooth gradations, or users can add White ink too, for outstanding printing on dark or clear substrates. This opens up a world of new materials for sign-makers to work with. We say that with the TrueVIS VG-640 and VG-540, the future of print and cut has arrived – and PSPs should always be looking to the future."

In conclusion, Rob Goleniowski says, "With any technology investment, but especially for businesses new to the market, it's essential to look at the entire package to avoid any unpleasant surprises later on. In terms of a wide-format printer, this ranges from the ink to the RIP software, from the aftercare service to the training provided. At Roland we deliver all of these exceptionally – and we have an incredible community of Roland users that support each other, both new arrivals to the industry and old hands."

.....Continued on page 18

TrueVIS SG series printer / cutter

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Mimaki focus on high end core technology

Mimaki is another manufacturer with a long and impressive pedigree in the large format market that offers entry level products that incorporate all the very best of their technology. Brett Newman is the Chief Operations Manager for Hybrid Services, the Exclusive UK and Ireland distributor for Mimaki and he says, “Research and development is something Mimaki invests a huge amount in and entry-level wide format is an area that benefits from the cascade of technology Mimaki manufactures. Mimaki has built in a raft of Core Technologies that focus on helping customers to deliver premium image quality with the minimum of fuss. Years of experience developing cutting edge print solutions has enabled the technology to trickle down so that even its ‘entry level’ products benefit from features such as Mimaki Advanced Pass System (MAPS) and Waveform Control Technology (WCT) that help deliver these spectacular results.”



MAPS and WCT are just two of the Core Technologies that, together with the likes of Variable Dot Printing, determine how ink is placed on the substrate and maximise the control over dot placement, shape and size to create smooth, vibrant and high-density print. Mimaki’s use of high precision piezo-electric print heads assures users of consistent and reliable output and the addition of the Core Technologies exploits it to its maximum. With a seamless workflow from design creation, through RIP, printing and cutting, the Core Technologies work away in the background to assist the user in producing the highest quality output.

Brett Newman adds, “With all printers offering a range of operator-led settings for print quality, output speed and imaging, Mimaki’s Core Technologies provide the opportunity for print operators to assess a job and choose specific options to suit its precise requirements. Mimaki’s unique appreciation of print companies’ day-to-day requirements has resulted in innovative and practical inbuilt technology that make the difference.”

The Mimaki JV150 Series

The JV150 Series printer from Mimaki provides high performance, creativity and versatility with vibrant ink types, including new Orange and Light Black, in a cost effective package that is ideal for sign-makers making a first step into large format digital printing.

The use of orange ink enables a much wider colour gamut, giving punchy and vivid colours for posters and PoS materials, especially in the food retail market where rich, warm red and orange tones are often used. Orange ink also ensures faithful colour representation and, when used as a process colour, can match 94.8% of the PANTONE colour chart with approximate colours, making it ideal for creating impact with corporate branding, along with improved spot colour reproduction.

Light black, light cyan and light magenta inherently produce smoother gradients and are great for pastel colours, but orange is all about delivering vibrant colours to make your work stand out.

More recently, Mimaki has announced that the JV150 now also offers a silver ink option in order to add further value to your printed output. Although a fairly niche area, the demand for metallic decals and vehicle graphics is very much there and the eye catching effects of shiny silver display graphics is growing in popularity.

Silver ink is all about adding a bit of dazzle and bling to your offering.

Customers often perceive a metallic finish to be a premium product and providing decals or bespoke packaging that use a spot silver can really help you differentiate your product and add to your profit margins as you go. You could potentially charge up to 30% more for metallic applications, which is worth considering.



Stunning quality large outdoor displays are possible with the Mimaki range of wide format printers



The unique Mimaki UCJV150 provides UV ink in an integrated printer/cutter

Mimaki CJV150 Series

The integrated print and cut solution that is the CJV150 range adds a further range of applications that adds value to your first investment in wide format printing. For a relatively affordable premium, and particularly if space is at a premium, you can enjoy all the benefits of the JV150 with a built in cutting solution that opens up a world of possibility.

The most likely applications will be in stickers, decals and labels, which offer a huge potential for your business when it comes to shaped, printed, self-adhesive vinyl.

Stickers are a huge market, be it personalised ones or licensed designs, funky wallart or transfers for bikes, skateboards and schoolbags. The market for attaching small decorative or informational decoration to other objects is vast – just take a look around you. There's safety signage, legislative labels and designer decals everywhere and with a wide format printer/cutter, you can be supplying it. There are plenty of potential customers out there who have a real need for maybe just 50 or 100 decals for a particular project.

Maybe you have got the capability to litho print labels already, but are you turning away good business because you can't take orders for shorter run lengths? You can personalise one label as easily as you can 10, 100 or even 1,000 so there's nothing stopping you responding to the short to medium orders of custom print jobs and making good money too. The range of printable, adhesive materials is ever expanding and stickers can now be repositionable, reusable or designed to last for years – the choice is yours. Mimaki's unique die cut capability means you can offer your customer a pack of stickers with a shaped backing that's of huge value – and so much easier and more professional than trying to hand cut or guillotine them.

Stickers and labels are great revenue creators, they're simple to produce and offer an excellent opportunity to talk to a very wide audience with what's fundamentally the same product. Your printer/cutter is the ideal tool for the job, there are lots of great substrates to choose from and the software makes it a relatively automated process.

Mimaki UCJV 150

One other product from Mimaki is definitely worth a look at if you are thinking of taking the plunge. The new Mimaki UCJV Series is a new and innovative range of LED UV printer/cutters with unique creative features, low running costs, the ability to print to a wide range of materials and a highly efficient workflow. While this printer represents a larger investment, the potential returns make it well worth greater consideration.



Technology for top end machines 'trickles down' to Mimaki's entry level printers

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Precision cutting machine boosts safety sign production

BCS Group has installed a Zünd G3 precision cutting machine to boost productivity at its facility in Walsall. Part of the Barhale Group, BCS currently produces 200,000 signs per year for the construction and associated industries.

The Zünd G3 was supplied through Canon UK in conjunction with a Canon Océ Arizona 1260 XT printer. BCS Group's signs and supplies team are relying on this seamless solution to produce enhanced commercial and health and safety signs including building site safety, hazard warning, fire exit, mandatory and prohibition signs.



BCS is now relying on this seamless solution to produce safety signs

> When used in conjunction with our current setup, the machines will help us to maintain high standards and expand our digital print offerings"

Head of signs & supplies division Kirstie Fish comments: "Since installation we have been using the Zünd G3 primarily to cut a variety of plastic substrates and for the routing of Dibond panels. The Zünd cutter is incredibly efficient and uses less energy than our previous routing solution."

Designed for maximum automation, the G3 is said to be ideal for boosting production by clearing bottlenecks caused by faster printing technology. Its modular construction allows users to choose the exact configuration to meet their initial needs and adapt the machine as those requirements change. Modules can all be fitted, removed or upgraded at any time, further future-proofing the systems' robust build.

"We chose the Zünd machine following a recommendation from one of our supply chain partners who rely on the technology," explains Kirstie. "They were extremely happy with the G3's performance and reliability and assured us it would fully meet our needs. We would absolutely recommend Zünd machines to other businesses."

BCS general manager James Mulchinock concludes: "When used in conjunction with our current setup, the Arizona and Zünd machines will certainly help us to maintain our high standards and enable us to expand our digital print offerings."

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Scalable workflow solution ensures consistent accuracy

The team at Imaginators, a UK specialist in large, wide and superwide format digital print solutions, know that accuracy, speed and colour consistency are essential for creating the stunning results their clients have come to expect.

The company which serves market sectors including music, events, experiential, sport, retail, exhibition and outdoor advertising, attributes their highly efficient workflow and the consistency and quality of output to using ONYX Thrive.



Projects include some of the major music festivals held in the UK

> "It has become the end-to-end workflow solution we have come to rely upon to ensure maximum productivity and accuracy while avoiding costly downtime"

Managing director Matt Tydeman says: "ONYX Thrive is a scalable solution which has grown with our business. It has become the end-to-end workflow solution we have come to rely upon to ensure maximum productivity and accuracy while avoiding costly downtime.

"With ONYX supporting our workflow we can ensure image and colour accuracy with superfast image processing and production speeds and consistent colour across multiple industrial output devices.

"We particularly enjoy the functionality of a true end-to-end Adobe PDF workflow from file submission through to colour management, printing and automated cutting, which brings peace of mind to reducing proofing cycles, reprints and providing a 'right first time' output."

Imaginators works closely with brands and their agencies to provide end-to-end solutions, often using giant graphics. During 2018 its projects have included high profile music festivals and sporting events in the UK.

"We often work to extremely tight deadlines," explains Matt. "Onyx's QuickSets with unlimited Hot Folders helps to speed up production and minimise errors with the ability to RIP and print multiple files across multiple devices on the fly and simultaneously. This is a huge advantage which helps ensure we meet deadlines and maintain our quality and service standards.

"Our production team have grown with ONYX, which is now a familiar and dependable platform. We're excited to explore the functions of ONYX Hub as we plan to integrate this into our workflow.".

www.imaginators.co.uk
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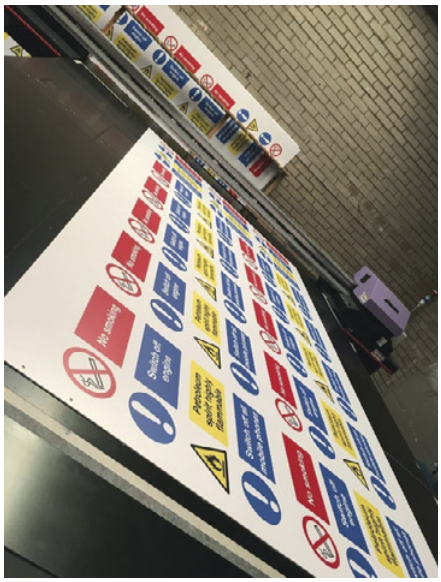


The new cutter uses less energy than previous routing solutions.

Combined functionality for UV LED printing backed by on-site training

Established in 1982, Symbol has a new production facility that includes a Mimaki JFX200-2531, Mimaki UCJV300 and Esko Kongsberg X24 Starter, all purchased from CMYUK. The purchase of larger premises was a huge undertaking, essential for company growth.

Managing director Paul Walker explains: "The overall project was quite stressful as we not only moved but needed new printers and cutters to kit the new production facility out. Thanks to the constant, organised help from CMYUK we managed it and can now work so much more efficiently and scale up our company. We received fantastic on-site training that was vital in order to prevent time-wasting."



Symbol specialises in safety signage

> "Thanks to the constant, organised help and on-site training we can now work so much more efficiently and scale up our company"

The Mimaki JFX200-2531 has twice the printing area of the 2513. The choice of inks including white and clear offer unlimited creative opportunities with the capability to print to a wide range of substrates. The UCJV300-160 has combined functionality for UV LED printing and cutting, covering a wide range of applications, from quick projects with short delivery times to avant garde signboards. The Kongsberg X24 Starter comes as standard with multiple tools for sample making, signage and display production, offering a broad selection of tools and providing high quality results



The equipment purchased from CMYUK has allowed Symbol to expand its creativity, crucial in a market that thrives on innovation

"It was a pleasure working with Symbol to assist them in taking their business in a new direction," says Jason McNulty, senior digital sales consultant at CMYUK, "The customer had the vision of what they wanted and CMYUK had the products, knowledge and support to make this happen."

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Digital cutter streamlines PoP display production

With its niche area of expertise in manufacturing complex and sophisticated semi and permanent PoP displays, Splash Display has seen considerable growth in the past couple of years underpinned by the company moving to a new 7000sq/ft facility and having a DYSS X7-1630C digital cutter from AG/CAD and Jetrix KX6 flatbed printer delivered in February 2018. The initial spur to invest in digital cutting and printing and a factory expansion to house them was based on the company winning a substantial order to manufacture complex PoP stands from 16mm thick honeycomb board for a key client.

> "From a prototype perspective, we can deliver instant solutions without reliance on external sources"

Managing director Stewart Wilkins says: "In the past we have largely been reactive to customer needs and this has often resulted in outsourcing business to subcontractors. We knew we had a need for a digital cutter and having a large order in the pipeline was the catalyst to make a decision.

"We needed capability to cut everything from aluminium composite, foam board, Perspex and just about any other hard substrate through to intricately cut paper, vinyl and other sheet materials. We had a demo and opted for the DYSS X7-1630C with an X7 Combo Head that has knife cutting plus a high specification routing tool, which eliminates the need for two separate machines. The DYSS allows us to move from heavy-duty routing on challenging materials to intricate jobs on fine substrates seamlessly."

"The DYSS and Jetrix were installed to fulfil a large contract, which we completed in the first month of having both machines. Without the investment we would have outsourced the work at considerable additional cost. We envisage that the combination of the two machines will reduce our subcontract costs by upwards of £250,000 per year. The 3m x 1.6m bed DYSS covers a lot of bases and gives our business the opportunity to explore new markets. We have already won new business in the signage, indoor and outdoor large format sectors as a result."

The installation is helping Splash Display to consolidate its business interests, delivering a multitude of benefits for the company.

"By giving us the facility to do more work internally, the DYSS has gone far beyond just reducing our subcontract costs," says Stewart. "Our speed of response has improved by more than 50%; some PoP projects have a lead time that has fallen from 5-6 weeks to less than three. This streamlines our business, eliminates reliance on external suppliers and gives us full control over costs, quality and delivery schedules.



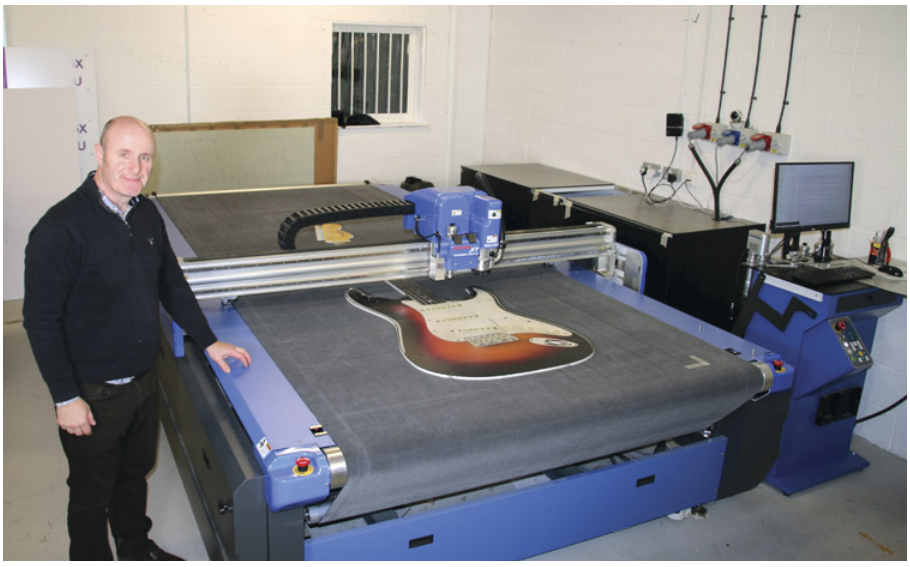
The DYSS X7-1630C with X7 Combo Head has knife cutting plus a high specification routing tool, which eliminates the need for two separate machines

"From a prototype perspective, we can deliver instant solutions without reliance on external sources. The DYSS compresses our development times, meaning we can react to customer design changes with exacting precision and speed. From project 'brief to delivery' we had an average turnaround time of eight weeks; this is now less than five.

"Contributing to this time saving is the ability to continually refine designs and prototypes in-house for clients. Before getting the DYSS, continually refining prototypes could get expensive. The process is critical as it allows our customers to better qualify the design of the project by seeing exactly what they will ultimately receive, which makes the customer journey and commitment process more robust.

"The KASEMAKE CAD software is a massive plus point for the DYSS machine. As the developers, AG/CAD provide direct support for the CAD system which is really easy to use. The software is configured with thousands of templates for standardised boxes and packaging solutions as well as PoP displays and non-standard designs.

"Taking this a step further, we can wrap artwork around designs and provide the clients with virtual 3D PDF mock-ups, something that further reduces our design times and the overall lead-times of projects. Tying this in with the facility to print and cut everything in-house enables us to reduce our internal costs and hours and pass these benefits to our customer base. Not only are we passing these benefits on but the cut quality and precision afforded by the K-CUT vision system on the machine are enhancing the quality of every project we undertake".



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UK first for Icon Graphics with Durst Rho 512R LED investment

Icon Graphics has invested in Durst technology for the second time in 12 months, adding a Rho 512R LED printer to its headquarters in Milton Keynes, Buckinghamshire after completing installation of the UK's first Rho P10 250HS PLUS 6C + W inkjet printer in December 2017.

Providing five-metre wide and dedicated roll-to-roll printing capabilities, this investment opens up important opportunities in markets including events/exhibitions, point of sale and retail sectors including lightbox work. Icon Graphics is a large format digital print, sign and direct-to-media specialist that works with the UK's largest design agencies and many high profile blue chip companies.

Previously, five-metre wide work had to be either sub-contracted out, which could easily mean a two-day delay, or turned away. Now the work can be produced in-house in as little as two hours.

Director Neville Tosar says: "From my first year experience I had no hesitation in getting a Durst again, although I did my homework. This is new technology and I think LED will be the future. This second machine prints at an amazing quality and is incredibly quick and flexible. I come from an engineering background and soon realised how well these machines are built and, pound for pound, it represents really good value. Investing in technology is a way of making the best use of staff and making them more productive.

"I have nothing but praise for the way we have been treated. Durst is also a family-owned company and provides really good support and service, not that we need it because both machines are extremely reliable."

Managing director of Durst UK and Ireland Peter Bray comments: "This is another quantum leap forward for Icon Graphics, which is the first company in the UK and Ireland to install a Durst Rho 512R LED system, which is especially suitable for thermo-sensitive substrates and benefits from a new ink system. It is another example of how increasing numbers of companies are turning to Durst to partner them as part of the transformation and digitisation of industrial production processes."

www.durst-group.com

> "I think LED will be the future; this second machine prints at an amazing quality and is incredibly quick and flexible"



Neville Tosar is very happy with his new Durst machine.

The all new Ecolux Mini

The best things are always simple, and our latest LED sign light is jam-packed full of new ideas and innovative design.

PORTLAND LIGHTING

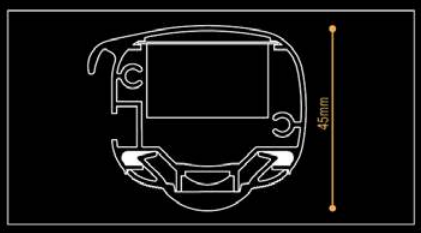
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The new IP68 connector is concealed within a new cast aluminium chamber and sits comfortably in a step grommet allowing cables to freely pass through for easy installation of longer runs.



The clip fix uses a clever and unique spring clip fixing captive in the channel at the rear of the sign light. The clip slides and springs over a retaining nipple on the bracket fixing.



The new sleek and stylish 45mm casing is the slimmest available in the UK with integral drivers.





Smart new cast end caps with rear entry cable glands, tidy and conceal unsightly cables from view.



Behind Ecolux Mini's 90° magnifying lens, the superb 1650 lumen 14.4W per metre LEDs deliver a punch to sign fascias and an unrivalled performance of even illumination.



The new Multi Bracket is double slotted allowing the fitter to orientate the back plate fixing position from horizontal to vertical in an instant.

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Making an entrance with LED lighting

Flex face signage really came to prominence with the arrival of out of town retail parks offering big name stores with a very large entrance sign displaying the company name. Many have sizeable information signs with 90% of them being flex face. Paul Vickery of Nova Aluminium outlines the system's main features

It seemed early on that retailers wanted their signage as large as the building would allow. I recall an electrical superstore in the Birmingham area in the early 1990s with an entrance sign measuring 9m x 7m. That particular flex box was constructed using the rod and puller method and housed an astonishing amount of fluorescent tubes to back light the sign. All sign box systems which house flex face material use aluminium extrusions and there are a number of tensioning methods available including the full perimeter rod and puller system, a clipping system and coiled springs.

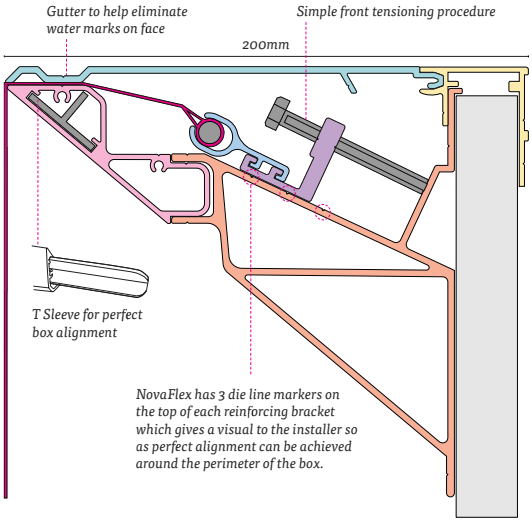


Flex face signage is popular for large entrance signs displaying the company name.

They all have to achieve the same goal in that a material substrate needs to be tensioned within the sign case to form a taut surface area commonly known as 'the skin' which displays the graphics.

Nova Aluminium manufactures NovaFlex, which uses the rod and puller tensioning procedure and NovaComp, which has a clip/click method. NovaFlex at 200mm in depth is a robust sign box which can produce boxes up to 7 metres in height and any length; the system includes a number of vertical support profiles including a heavy duty section used on large boxes to eliminate any distortion to the aluminium box itself when under maximum tension.

A material substrate needs to be tensioned within the sign case to form a taut surface area commonly known as 'the skin' which displays the graphics.





Skins for NovaFlex require preparation in the form of a folded loop on all four sides which can be either welded or industrially stitched. An 8mm solid aluminium rod is threaded through the loops followed by a toothed tensioning profile which locates with bracketry around the edge of the box at approximate 750mm centres, allowing the skin to be set into position on all four sides of the sign case.

The brackets have bolts which are tightened using a power tool which then tensions the skin all round, giving wrinkle-free visuals every time.

Perfect positioning

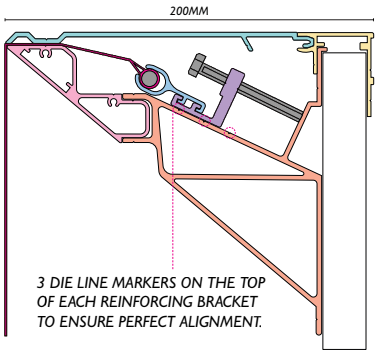
NovaComp uses the popular SignComp black clip for tensioning. The skin needs no preparation other than positioning the clips at 150mm centres around the perimeter, it is then hung in the top of the box and clipped into the bottom before tensioning both sides eliminating all creases. NovaComp has been designed with a completely flat perimeter and incorporates three screw ports for ease of fabrication with the front screw port doubling as a housing for a steel alignment pin which is used when joining box sections on site, ensuring perfect positioning, thus eliminating any skin disfigurement where box sections meet.

.....Continued on page 32

FLEX FACE SIGN BOX SOLUTIONS

From the Nation's Leading Aluminium Sign Systems Supplier

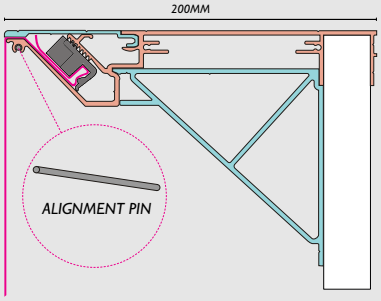




NOVAFLEX

A robust single sided, full perimeter tensioning system which comfortably produces large flex face light boxes. The system uses a rod and puller method and can be rapidly tensioned from the front using power tools creating wrinkle free images every time.



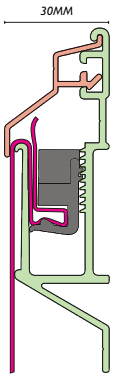


NOVACOMP

Incorporating the popular black clip tensioning system NovaComp is available at both **135mm and 200mm** depths. Light boxes are competitively produced in all shapes and sizes and can be delivered to site or your premises.

SignComp



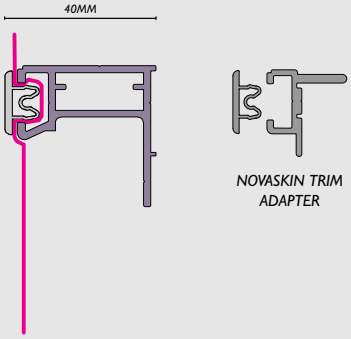


SIGNCOMP FRAME

Non-illuminated framing system for flex face signage which utilises the industry familiar black clip tensioning procedure. Perfect for low cost flex face signage and for use with the **NovaTube** overhead lighting system.

SignComp





NOVASKIN

An innovative framing system which brings flex face competitively to the High Street. The system also incorporates a bead adaptor for use with standard light boxes.

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BSGA
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"All systems have to achieve the same goal in that a material substrate needs to be tensioned within the sign case to form a taut surface area known as 'the skin' which displays the graphics"

NovaComp is available in depths of 200mm and 135mm. Both systems when tensioned correctly are proven against blow outs and can be shaped.

With modern printing techniques most images can be brought to life within a rectangular or square area creating striking visuals but with companies keen to stick to logo shapes as much as possible the need for shaped boxes is ever present. Nova is able to produce shaped boxes in both NovaFlex and NovaComp.

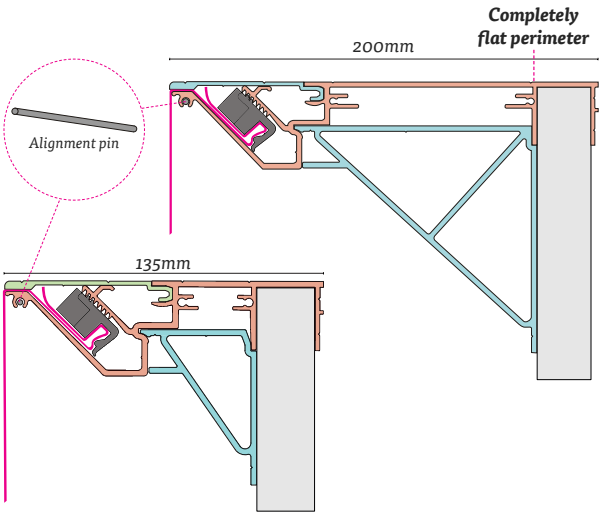
Kerf cutting

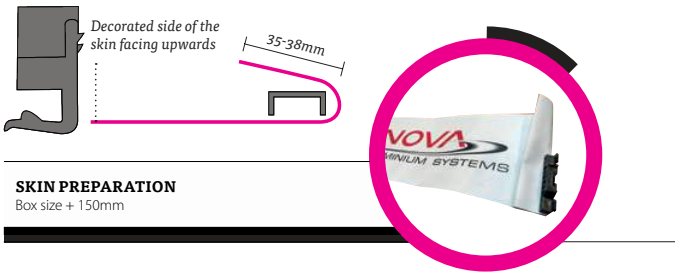
Straight edged shapes including triangles and parallelograms can pose their own problems due to some pretty acute angles but can usually be produced to requirements. Other shapes such as circles and ovals can be manufactured by using a method known as kerf cutting which entails a series of half cuts through the extrusion making the profile pliable and allowing it to be formed to the desired shape prior to welding.

LED lighting is now the preferred choice to back light most signs and large flex face signage is no exception.

Nova has carried out a lot of exploratory testing to ensure that the LEDs used suit the system depth it is intended to illuminate, resulting in modules being able to produce the correct light distribution when placed at specific centres, thus removing the 'banding' problem often seen with fluorescents.

www.nova-aliminium.com





NovaComp has been designed with a completely flat perimeter and incorporates three screw ports for ease of fabrication.

What is flex face signage?

The term 'flex face' derives from the primary feature of the system: a tensioned flexible PVC banner substrate that stretches across the face of the sign to create something that resembles the skin of a drum. Flex faces are commonly referred to as 'skins' within the industry. Flex Face signage systems are predominantly for outdoor use but can be used inside. The main benefits of using flex over rigid media is scalability and safety.

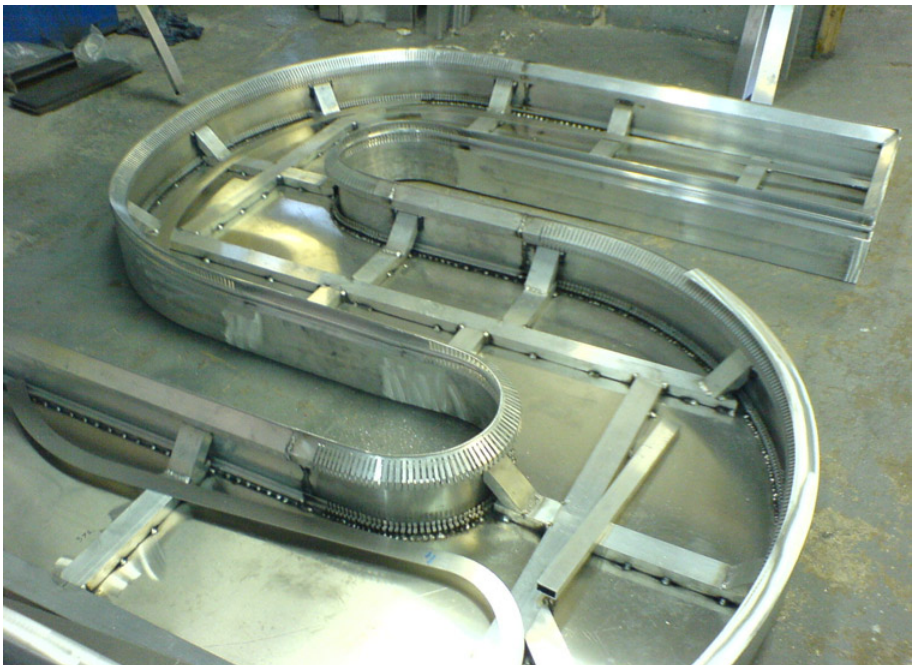
- You can print on a much larger scale with PVC as opposed to acrylic or composite panels.
- You can 'weld' PVC prints together to create an even larger print that is seamless once installed - something that cannot be achieved with rigid substrates.
- Transportation to site and stocking of printing media is far easier due to its 'flexible' nature.

Stretching ‘skin’ for wrinkle-free finish

SignComp Systems have been widely used flex face tensioning products for over 25 years, a testament to the design and durability of the original concept, says managing director John Purton.

There have been many patent infringement cases in many countries since its original concept and while very annoying it is also complimentary and confirmation that those first designs were spot-on. There are SignComp Systems that are often used for irregular shapes including lettering or circular/ovular signs and have been for many years.

Our Econoflex, which is available in four depths, and Retro Frame Systems can be saw cut to specific guide lines which enables the profiles to be bent to almost any shape required. This method is generally referred to as kerf cutting and the frequency of those cuts determines the radius achievable.



Retro Frame Systems can be saw cut to specific guide lines which enables the profiles to be bent to almost any shape required.

No pinch points

One of the main reasons for our ongoing success is that it is almost impossible to create wrinkles. All tensioning systems are formed from aluminium profiles and SignComp is no exception but that is where the similarity ends.

Our world famous Black Clips are attached to the edge of the PVC decorated faces or ‘skins’ and then inserted into a channel around the edge of the particular system chosen. The teeth on the edge of the clip pick up with the teeth present in all SignComp frames and boxes and there you have the method of tensioning.

Because the clip is plastic and the frame is aluminium there are no ‘pinch’ points as with other systems; the clip slides freely within the frame and so pushing in a clip on the vertical, moves all the clips on the horizontal, eliminating any chance of ‘scalloping’ or ‘wrinkling’.

The design of the tensioning method is such that any pressure on the substrate face tilts the clip, forcing the teeth further into the teeth on the profiles therefore making blow-out impossible. I am proud to say that in 33 years there has never been a single failure of a SignComp tensioned skin and there never will be.



SignComp Systems are very often used for irregular shapes including lettering or circular/ovular signs

Back-illuminated lightbox

Shadowing and banding presents no problem whatsoever for our Econoflex Systems which are specifically designed for internal illumination.

The internal support structure of these boxes is all located on the back and edges so there is nothing in between your method of lighting and the images you wish to project to the world. As as long as you have the correct back illuminated PVC substrate and your LED supplier has advised you correctly on product and layout, then you can always be sure of a sign that will impress.

Eliminating bowing

No matter how strong or well designed your flex systems, they will always have to contend with challenges from the elements. If you have a very large flex

.....Continued on page 34

tensioned into a box then you have created a huge sail that will be affected by those elements, primarily the wind. Most systems will cope perfectly well with sizes of 5m x 2 or 3m but above that, care needs to be taken.

Calculating wind loading

There are methods to calculate wind loadings but variables need to be taken into account, especially location. For example, if a box is fixed to a wall in a built-up area it is far less likely to be affected than a billboard by the side of a motorway. At the end of the day, a practical view has to be taken; if calculations show that the skin will bow sufficiently inward to be touching the back illumination then actions need to be taken to avoid damage.

The normal method is by installing a 'barrier' vertically inside the box a few inches behind the face This can vary from curtain wire on lightly affected boxes to steel cable on much bigger, more exposed skins, this method commonly used in the USA and Middle East where huge signs are more common.

If you stand in the car park of pretty much any UK retail park then approximately 70% of the signs you are looking at are in a SignComp System.

www.signcompeurope.com

"If calculations show that the skin will bow sufficiently inward to be touching the back illumination, a 'barrier' needs to be installed vertically inside the box a few inches behind the face"

Avoiding tension headaches

Brownings has long been a producer of flex face signage in literally all shapes and sizes. Browning sales director Richard Vincent explains why the business uses SignComp tensioning systems for flex faced boxes.

Our mantra is "the non-standard is our standard" which underlines the diversity of signage we manufacture on a daily basis. While it's fair to say that during our 28 years of business we have seen it all, in the past couple of years we have noted an intriguing marked increase in requests for more diverse shapes, other than circle and ovals as well as built-up flex face letters.

Brownings is known for manufacturing flex face signs using the SignComp tensioning systems, the leading system in the world. We can turn our hands to anything from a simple 700mm^2 logo box to a massive 12m^2 Econoflex sign; the latter being recently manufactured in our premises in the center of Hull, East Yorkshire.

To ensure we are up to date with the new LED technologies we constantly sample and test new LED modules to ensure we are getting the best performance versus price and install times. As the SignComp range offers four different depths of profile we have to ensure that the LEDs used are balanced with the box depth and the type of decoration to be provided on the skin.

From time to time we are asked to provide different depths of box that will be installed on the same elevation; care has to be taken to ensure the face illumination of each is the same, otherwise the image the end client is looking for wouldn't be right as box A would appear brighter than box B. We are constantly asked if a particular image can be produced as a flexface sign.

More often than not we will confirm that it will be OK. However, we may ask if changes can be made to the outer shape of the box to avoid things like sharp points. In some cases, we could build the sign but the fixing crew would struggle to actually install the skin. Nothing can replace experience when it comes to installing the skins on a flexface box made to a particularly complex shape. We could build two identical boxes; the fixer could skin the first without any issue at all, the second may take twice as long to get wrinkle-free. To help with this we now offer a skinning up service. We can fix the skin onto the box, taking our time to ensure a good fit. We will then remove the skin and, as the PVC skins have a memory to them, it should make it easier on site for the skin to go back on the box.



As flex boxes seem to be getting bigger, we not only have to pay attention to how the box is to be installed, we need to ensure the box will be strong enough, particularly if the box is to be installed onto steelwork. Health and safety requirements and the amount of weight access equipment can now carry requires us to build boxes in smaller sections. Sometimes we have to build a box with horizontal as well as vertical joints. The box may be supplied in 10 to 20 sections but as the skin will be in one complete piece (albeit with a welded joint) from the ground the box will look as one.

Larger boxes may require the installation of cables behind the skin to reduce the effect of wind loading. One way that designers seem to have overcome this issue is to install built up letter though the skin and fixed to 'top hats' within the box. This has the effect of sandwiching the skin to ensure it remains taught on a windy day.

www.the-signmakers.com

.....Continued on page 36



Merrion House by Imageco
illuminated by SloanLED

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Illuminating large scale light boxes safely and energy efficiently

Bright and even illumination is the minimum customers are looking for when lighting up flex face lightboxes, as Luke Povey, Applelec business development manager and resident SloanLED expert, explains.

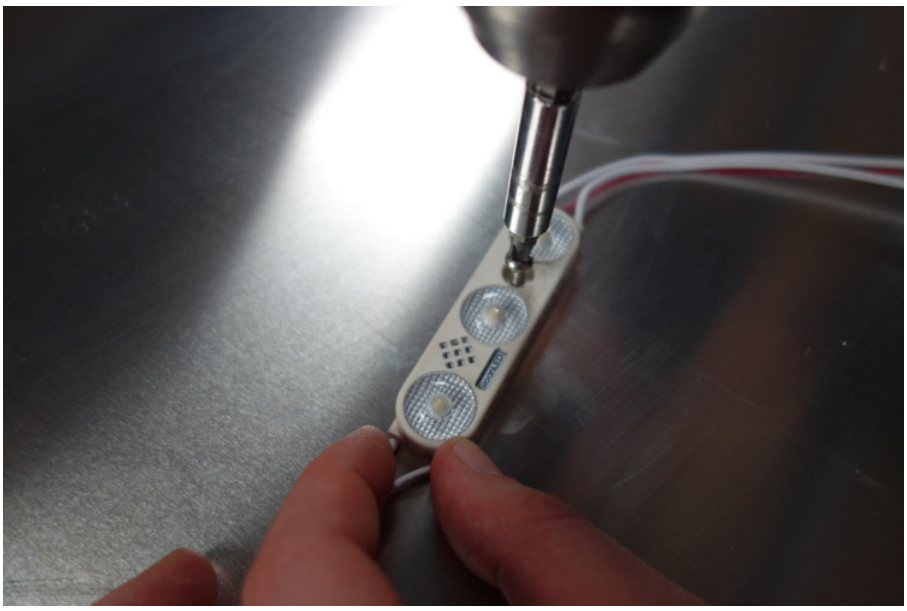
Safety, energy efficiency, longevity, reliability, colour consistency and more than ever, speed and ease of installation are the features being sought by customers purchasing LED illumination for large scale lightboxes. What's more, many such lightboxes need to be maintenance-free due to the difficulty and expense involved in repairing any damaged elements. In rare cases, particularly for much older lightboxes, an LED system may be considered alongside the replacement of fluorescent tubes, though this means of illumination has almost disappeared from the landscape.



Maintenance problems and inefficiency of tubes have seen them steadily replaced by LED systems which have delivered up to 70% reduction in power consumption in return for equally bright illumination. In most cases now, customers are only considering LED systems, particularly for new lightboxes and the comparisons are more nuanced, the solutions more specialised.

In 2018 Applelec provided LED systems for hundreds of flex face light boxes. With a mix of new and retrofitted lightboxes, the vast majority of these projects were confidential roll-outs for clients working predominantly with retail brands. In all these projects, the selected module was SloanLED's Prism High Output, exclusively supplied by Applelec in the UK.

Bright, uniform illumination are the first standards met by the module. Indeed, the Prism HO module has been engineered specifically for sign systems of this nature, with optimal performance in lightboxes at 150mm deep and above.



Prism HO employs micro-prism technology to create an optically clear lens that allows more light to leave the product

> "Safety, energy efficiency, longevity, reliability, colour consistency, speed and ease of installation are features sought by customers purchasing LED illumination for large scale lightboxes"

Light uniformity

Providing 180 lumens per module, brightness is assured but the module is also highly efficient at 107 lumens per watt. Along with the brightness, light uniformity is achieved thanks to the radical technology featured in the lens design.

Prism HO employs micro-prism technology to create an optically clear lens that allows more light to leave the product.

This lens design eliminates the light ring effect that has been a problem for typical 'batwing' lens modules. In such modules, light output from the LED chip is reduced due to the lens frosting required to combat the rings of light created by the lens.

Side-stepping these issues entirely means Prism HO delivers greater efficiency and a wider distribution of light, even in shallow light boxes. With brands looking to reduce costs in every area, energy consumption is high on the agenda when lighting systems are specified. The energy efficiency of Prism HO is in part due to fewer modules being required to illuminate large areas such as those of a flex face lightbox.



"When fewer modules are required per square meter, less time is needed to populate a light box and this factorr alone can significantly reduce labour time"

Energy consumption

Spaced on a grid at 350mm x 350mm, each module draws 1.68W, yet requires just eight modules to light an area of 1meter square. The energy consumption of the system is routinely calculated as part of the specification process and is factor that can make or break a deal.

Within the retail environment especially, brands are increasingly aware that brightness is not the only light quality to be considered when selecting illumination for advertising systems. Poorly designed LEDs and those using cheaper components, can badly discolour over the short to medium term, leading to colour distortions of the illuminated graphic.

In addition, many modules within a range may actually differ slightly in colour due to processes inherent in the manufacture of LED chips. SloanLED's Prism HO modules use only MacAdam 3 binning for consistent colour temperature. This term refers to the sorting of LED chips after production into specified ranges, with light output and colour temperature the most significant for LED performance.
LED chips with a MacAdam 3 binning are generally accepted as having imperceptible differences in normal applications.

Ease of installation

While brands may be focused on brightness, colour consistency and energy efficiency, the companies installing the modules are also interested in the system's ease of installation.

When fewer modules are required per square meter, as with the Prism HO module, less time is needed to populate a light box and this factor alone can significantly reduce labour time. A fact that's helpful in a factory but invaluable when retrofitting on site, often with teams working at height and in difficult conditions.

Furthermore, the built in constant current technology allows modules to be wired in one continual chain of up to 32 modules, while not having to wire in series or back to the power supply as with lower end modules. SloanLED modules including Prism High Output are distributed in the UK exclusively by Applelec with a 10-year parts and labour warranty supplied by SloanLED.

www.applelec.co.uk



SloanLED modules are easy to install and maintain



SloanLED's Prism HO modules use only MacAdam 3 binning for consistent colour temperature.

Built-up and flat cut lettering create bold signage for Leeds City Council

Imageco collaborated with Applelec to create impactful branding as part of the redevelopment project for Leeds City Council's main office.

Situated in the heart of Leeds city centre, the 170,000ft2 Merrion House building underwent a massive renovation, transforming the 1970s office block into a contemporary space. Imageco worked with Applelec to create eye-catching signage that reflects the modern design of the revamped office complex.

> "To guarantee the logos would be securely fixed our design engineer was instrumental in calculating factors such as wind loadings and structural requirements to ensure the total weight was spread accordingly"

Applelec manufactured two sets of Merrion House lettering and three individual Leeds City Council logos of varying sizes, which were installed on the front, rear and side elevations of the office building.

At 1000mm in height at their tallest, the Merrion House lettering was powder coated white at Applelec's paint facility and embedded with cool white, 6500K SloanLED LED modules to create a bright and striking contrast against the building's brickwork. Featuring a variety of built-up and flat cut metal letters, the logos measure 9300mm x 1507mm at their largest and were installed at a 30m height on the Merrion House building.

Applelec's head of signage Andy Armitage says: "One of the main challenges for this project was the staggering height at which the logos were to be mounted at. To guarantee these would be securely fixed, our design engineer was instrumental in calculating installation factors such as wind loadings and structural requirements to ensure the total weight was spread accordingly."

Following the same white finish as the Merrion House letters, the logos were integrated with cool white SloanLED LED modules and feature a combination of face and halo illumination styles, achieving bold signage that is clearly visible both during day and night time hours.

Imageco director Nathan Swinson-Bullough says: "The Leeds City Council logo features a detailed coat-of-arms design, which was recreated through precision cutting utilising Applelec's CNC router. These sections were then wrapped in digitally printed, high quality vinyl created by Imageco to further depict the intricate patterns of the crest. The exact manufacture of the emblem was essential to ensure the vinyl layer and flat cut shapes would marry perfectly."

The project had a tight turnaround of two weeks and the installation was completed by Imageco.

www.applelec.co.uk



The logos were integrated with cool white SloanLED LED modules and feature a combination of face and halo illumination styles

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* Minimum length 300mm. Sizes greater than 6100mm supplied in two or more sections and will be joined with a middle connector.

Pictorial set

* Sign and wall bracket not included.



Floodlights

Our new range of SMD LED Floodlights come in 30W and 50W configurations. Using the latest technology – Bridgelux SMD LEDs and Mean Well power supplies – allows these Floodlights to be small and very powerful. Respectively, the units output 3600 and 6000 Lumens. Both are available in Pure White (6000K) and Warm White (3000K).

All of our products are very competitively priced.

SIGNTRIM

SIGNTRIM is a contemporary aluminium extrusion designed for fabricating sign frames; it provides a finish that is completely unblemished by screws or fixings. SIGNTRIM is quick and easy to install and is suitable for non-illuminated sign panels 5–6mm in thickness.



www.visiondepot.co.uk

Fixing it

Two well known companies talk to Kathryn Johnson about what needs to be considered when choosing the right fixture or fitting for a project, so it not only looks good but is safe too.

Sign fixings are at the core of iSpi Trade

Providing low-cost, high-quality solutions has always been the key to iSpi Trade. This is no less important now than it was over 20 years ago when the company was established.

Expert advice
iSpi Trade was founded by Stephen and Sean Ferrie's late father Chris in 1997, originally as a signage manufacturer and installer. But they were frustrated at the then lack of suppliers of sign trade products; and worse still the advice and support available about products.

Stephen Ferrie said: "It was decided this gap in the market needed addressing and the focus for iSpi Trade transformed to become a trade partner to the sign industry, not just a supplier. Traditional family-business values are the backbone of the business, and from the start, our unique knowledge of the sign fitting industry has been invaluable for customers."

Sign Update asked Stephen to tell us what makes iSpi Trade different; discuss some of their top products; and tips to help our readers when looking for the right sign fixings.

Quality at the right price
At iSpi Trade we continually review our product range to help ensure we supply the right products at the right price. We know what our customers want and the suitability of each product for use in different environments. Our loyal customers have come to expect more from us than just a supplier, we are an extension of their business.

Top Tip

Sign standoffs are the perfect solution for uneven or textured surfaces as the projection will lift the substrate away from the wall, ensuring a professional finish.



Above and below: iSpi Trade have a wide range of standoffs to suit many projects

Core products for sign installers
Our main product has always been brass flat head sign standoffs, available in a wide range of sizes and projections to suit many projects, both indoor and outdoor. They work with a wide range of substrates from acrylic to wood and give a high-quality finish to any sign installation.

Available in barrel sizes from 13mm - 75mm and in three different finishes, chrome, satin chrome and gold, these will really add that finishing touch.

Add some colour with aluminium standoffs
The popularity of this range of products has grown over the years and continues to be a key product. Our current range has seven finishes and colours, including satin, gloss and black. The colours can be used to great effect to enhance the overall visual display.

Thinking 'outside the box' - We recently saw blue aluminium standoffs used to support a tempered glass table top which matched the acrylic wall signage.

Specialist sign fixings
Our range of sign fixings also includes many additional products which are used where standard fixings are not suitable; these include lockable fixings which are ideal for schools and pubs. Our double panel fixings allow two substrates to be used, which can offer a nice contrast and depth to the signage. Stainless steel standoffs are the perfect solution for use outdoors in all weather conditions.





LED window displays form part of iSpi's new product offering

Top Tip

You can mix and match sizes and orientations to create a unique window display layout. Contact us and we will guide you through the options.

Top Tip

Use stainless steel fixings for coastal sign installations. Made from 316 Marine Grade Stainless Steel these will offer a hardwearing solution in locations where weather can be extreme.

New product update

We constantly revise the products we offer based on customer demand. We recently added LED window displays to our online shop. The sizes range from A4, A3 and now A2 and are available in landscape or portrait options. As with all our products the LED range is very competitively priced.

Always cost-effective and available to help

Visit our online shop for low prices and special offers, and if you need some help or assistance, we are on-hand to offer our advice. Our web chat facility will allow you to ask any questions and check sizes and even get some installation advice.

www.ispitrade.com

.....Continued on page 42



Sign standoffs give a professional finish



Fixing Specialists

Fixings are an important part of every sign manufacturers everyday process, says Signgeer. Whether it be double sided tapes, mechanical fixings (threaded), rivets, Velcro, suction pads, self-drilling screws which cut their own threads (usually only suitable for metal applications), expansion (raw) plugs that accept screws, chemical adhesives and glues or special brackets for certain purposes which will require welding and soldering.

It's a lot to think about but all types of fixings should be understood by signmakers as they have their own special attributes.

Knowing what's available will make your life much easier. A good choice of fixing will give a failsafe job which lasts for years; is quicker to install and manufacture; and gives an overall more pleasing visual effect that should be corrosion and maintenance free. Most signs at some point will be changed so it is also important that they can be removed relatively easily.

Signgeer offer a full range of all the fixings mentioned and their friendly staff will also give you advise on any of your special needs.

A few new products recently added to their range which may be useful are the trusted Timco brand of fixings (pictured below left). For everyday use the Timco Multi-Purpose Stainless Steel screws offer a reliable rust-free economic solution for general fixing. They are available by size or in a handy starter pack in a case containing eight popular sizes, plus two raw plug sizes at a discounted rate to get you started.



Signgeers new MegaTape for banners

Also the new Timco Multifix Stella is an expanding anchor which give a really effective fixing into plasterboard and solid materials. Available in red, which are M5 X 55mm long and black, which is M5 X 65mm long.

When banners are a challenge to fit Signgeers suggests their new MegaTape. This is a double-sided clear banner hem reinforcing tape that is made of super strong film and can withstand winds of up to 108mph. Recommended for when ultimate banner strength is required. Available in a standard 38mm x 27m roll

For each type of install you'll need to answer some simple questions:

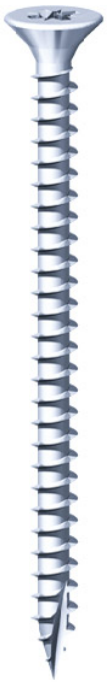
- How heavy is the sign?
- Is it an interior or exterior installation?
- What height will the sign be fitted at?
- Environmental factors to consider, eg: is it in a coastal salt air environment?
- Do I need to consider any extreme high or low temperatures to take into account varying expansion rates between different materials and suitability for the environment?
- Do the fixings need to hidden or made a feature of, such as stand-off locators, colour headed screws etc?
- What material am I fixing the sign to, for example: brick, block, stud walls, wood, plasterboard, industrial cladding, fibreglass, posts?
- What materials am I going to be using for the sign: light weight plastics, aluminium, aluminium composite, acrylic, wood, etc?
- Also, how often will the sign need to be moved: is it a permanent, temporary or changeable sign, eg: Open/Closed sign.

All of these factors come into play before a decision is to be made. If you are unsure in a critical environment, we would suggest using two types of fixing methods, for example taping and screwing. This will provide a failsafe solution.

www.signgeer.com









How to use Timco's Multi-Fix Stella fixing

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www.signanddigitaluk.com

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3M Authorised Rail Partners Programme ensures full traceability for vinyl graphics

3M has launched the 3M Authorised Rail Partners programme, giving train operators the highest assurance of quality and long term performance for rolling-stock interior and exterior graphics.

The programme formalises criteria for quality control and customer service and reinforces the value of an all-encompassing, end-to-end warranty that covers both materials and applications offered by 3M in conjunction with an Authorised Rail Partner.

To qualify as a 3M Authorised Rail Partner a company must first meet the criteria to be a 3M Select Platinum Partner then fulfil additional requirements specifically required for the rail market.

These include using only 3M MCS (Matched Component System) products that comply with fire-test regulations and ensuring the vinyl graphics applicators meet the requirements set out by the 3M Endorsed Rail Applicator framework.

3M Authorised Rail Partners must ensure full traceability and panel tracking for all applications and provide outstanding customer support, all underwritten by the end-to-end warranty.



The 3M Authorised Rail Partner end-to-end warranty ensures that customers know their branding will maintain its appearance over the warranted lifetime of the product and wrap.

"The Authorised Rail Partners programme strengthens our support for this demanding marketplace where branding is an increasingly important part of the rail customer experience," says Pen Webley, 3M marketing team Leader.

"Our end-to-end warranty, which is without equal in the industry, is a key element of the 3M and 3M Authorised Rail Partner value proposition and now further reinforced by formalising the criteria relating to material selection and application."

> "Rail operators can now have ultimate confidence in the quality of the workmanship and customer support we provide"

The first to be appointed as 3M Authorised Rail Partners are Aura Graphics and Stewart Signs. Both have many years' experience serving customers in the UK rail sector and helped establish a robust programme criteria relating to processes, use of materials, workmanship and customer support facilities.

Aura Graphics managing director David Sawbridge comments: "Rail operators can now have ultimate confidence in the quality of the workmanship and customer support we provide as an Authorised Rail Partner."

Stewart Signs managing director Tony Townson adds: "3M's move provides tangible benchmarks that clarify the value of our expertise and the business processes we have evolved to meet the very specific needs of this market."

3M's high quality materials for rail applications include rugged, environmentally-sustainable Envision Print Wrap films, damage-resistant laminates and anti-graffiti clear coat, fire-tested in accordance with British Standards and/or European EN 45545 standards.

The 3M and 3M Authorised Rail Partner end-to-end warranty is clear and transparent, ensuring that customers know their branding will maintain its appearance over the warranted lifetime of the product and wrap.

3M.co.uk/graphicsolutions

Dye-sublimation inks certified for outdoor durability

Roland DG EMEA's Texart SBL3 dye-sublimation inks have earned certification from ChromaLuxe for outdoor durability. This assures users that they can expect optimum quality and durability when transfer graphics are printed with Texart SBL3 inks and sublimated to ChromaLuxe EXT (extended life) UV-resistant photo panels. In addition, ChromaLuxe is backing up the UV resistance and expected outdoor life of graphics printed with Texart inks and transferred to ChromaLuxe EXT with a two-year warranty on photography-based output and a three-year warranty on signage-based output.

This certification applies to all standard Texart SBL3 inks, which are available in 4- or 8-colour configurations with CMYK,

> "Users get the best of both worlds - colourful, vibrant graphics and the very best outdoor durability possible"



Graphics sublimated to ChromaLuxe EXT panels will stand up to powerful UV rays and the elements.

Light Cyan, Light Magenta, Orange and Violet. Designed to bring out the best in Roland's advanced Texart RT-640, RT-640M and XT-640 dye-sublimation printers, SBL3 inks are said to be ideal for creating vibrant sublimated signage, apparel, accessories and hard goods.

In addition to producing rich, durable graphics, these water-based, fast-drying inks contain a high concentration of dyes, which allows for reduced ink usage while retaining maximum vibrancy.

"The ChromaLuxe certification and warranties provide assurance to Texart series users that their graphics sublimated to ChromaLuxe EXT panels will stand up to powerful UV rays and the elements," says Paul Willems, head of business development and product management, EMEA. "They get the best of both worlds: colourful, vibrant graphics and the very best outdoor durability possible."

www.rolanddg.co.uk

Wrap Cube appointed 3M Select Gold Partner

3M has appointed long-term vehicle graphics specialist Wrap Cube as a Select Gold Partner. This designation recognises Wrap Cube's support for its vehicle wrapping and fleet graphics activities. One of the first vehicle wrapping specialists to become an approved installer of superior quality 3M print wrap film products and a 3M partner since 2010, the company remains one of a handful of approved installers in the UK and the sole accredited supplier to London and surrounding areas.

Wrap Cube has an uncompromising approach to standards and quality, embodied in its ISO 9001: 2015 quality management systems along with a 3M-trained in-house team of designers and technicians.

Wrap Cube managing director Nic Bessent comments: "The superior quality of 3M materials and processes mirrors our quality commitment to customers. Achieving 3M Select Gold Partner status strengthens our customers' confidence in working with the most capable, most technically advanced graphics, not only in our market but in the world. We will continue to work with 3M to push the boundaries and deliver innovative solutions to all our customers. 3M gives us the assurance to stay at the top of the quality game."



Wrap Cube remains one of a handful of approved 3M installers in the UK.

3M marketing team leader Pen Webley says: "The 3M Select programme is widely regarded as one of the most comprehensive in the industry, based on globally harmonised standards covering all elements of a graphic including film, ink, adhesive and protective coating.

"As our newest Gold Partner, Wrap Cube joins a select group of world-class experts that are proven to deliver unparalleled quality and value to brand owners."

www.3M.co.uk

ISA UK members qualify for funding toward cost of training courses

Make it Happen has announced that from 1 January until 31 December 2019 all ISA UK full and affiliate members will receive up to £600 financial support toward the cost of attending its workshops and training, depending on membership type. This will apply to the Education Programme and the Dress Down Hands On practical training day.

Both courses are CPD accredited and considered beneficial for employees' career progression and advancement.

In one day attendees can learn about more techniques and materials than any sign company will deal with in over a month's work, says the organisers.

The benefits are a more educated and enthused workforce able to spot more and more lucrative opportunities. Aimed at those who are new to the industry and those who have had more experience, the courses provide guidance to reduce the number of missed opportunities.

Attendees range from first time sales staff to experienced project managers, designers and production staff; with experience from two days to 43 years in the industry all together at the same time.

Regardless of level of experience, it is the company's mission to refresh your signage knowledge and renew your inspiration for the industry with the help of ISA UK.

Nicky Metcalfe of Fast Signs Manchester comments: "The Make It Happen Dress Down Hands On training was a great experience and gave me insight into the world of fabrication. It gave me a better understanding of the processes involved in manufacturing fabricated signage so I can better communicate pricing and lead times to my customers.

"It gave me a better understanding of the porocesses involved in manufacturing fabricated signage so I can better communicate pricing and lead times to my customers"



In one day attendees can learn about more techniques and materials than any sign company will deal with in over a month's work.

"The hands on approach gives you a real appreciation of the craftsmanship that goes into the art of sign making. The signs I came away with were really great examples I can use as sales tools, even if my soldering was a bit dodgy."

Book your delegates on the appropriate course direct with Make it Happen, quoting your ISA UK membership number. ISA UK membership numbers change every time you renew your membership and are displayed on your Membership Certificate which can be downloaded from www.signsuk.org/certificates/certificates

Funding is only available for courses attended during your membership year. To apply for the discount for courses attended in the following year, you can book this at the full rate and then apply for the discount once your membership has been confirmed renewed.

Currently, the courses are held at the premises of sign fabricator companies, however, if the numbers stack up and make it possible, they can be arranged at the premises of sign companies.

www.makeih.co.uk

DIS official supplier and installer of Pongs wall/ceiling covering

Midlands print and digital imaging specialist DIS has secured a UK first by signing a deal to become an official supplier and installer of Pongs technology.

DIS has built on a "record-breaking 2018" by agreeing a partnership with the German firm to print colour, imagery and special designs on to its acoustic fabric wall and ceiling graphic systems.

The company is targeting an additional £500,000 of business from architects, interior designers and entertainment venues looking to deaden the sound and echoes in large open spaces.

Designed to offer 'A' or 'B' acoustic absorption ratings, the technology found in the DESCOR range can be used in hospitals or leisure facilities thanks to a special anti-bacterial coating.

"Trying to make large open spaces and rooms aesthetically pleasing while achieving the right acoustic performance has been a massive challenge for our customers; this new agreement offers them a perfect solution," explains managing director Mark Bradley.

"We are the first approved UK supplier and installer of Pongs acoustic fabrics and this will give us a massive advantage over our rivals. The technology lends itself so that any colour, image and design can be printed on to it, offering stunning sound and visual performance – providing the best of both worlds.

"We can print huge unlimited tiled sections and integrate LED lighting into the systems to create ever-changing moods and stunning visual displays"



Stretch ceiling system in Montpellier, France, printed onto Pongs Descor Premium.

"Talks have already begun with marketing agencies, interior designers, architects and local authorities about using the walls and ceiling systems.

"There are no limitations with size either, as using 3M inks we can print huge unlimited tiled sections. We can even integrate LED lighting into the systems to create ever-changing moods and stunning visual displays."

DIS has already secured its first win using the Pongs technology with a 35 metre-long wall system being installed at Virgin Active's prestigious Mayfair, London site in the coming weeks.

It forms part of the multi-million pound contract that has seen the company become the official supplier of graphics and signage for all of its 46 gyms and health clubs. This will involve teams of experts travelling the country to deliver a major facelift that will include printing and installing all external and internal imagery, lighting and digital displays.

It is the largest contract the company has been awarded to date and will play an important role in helping it move from its existing £2.5 million turnover to £5m annual sales by 2021.

Sales director David Purcell says: "We've enjoyed a great start to 2019 with some big wins and a full order book keeping us busy. A new technician has already been taken on to cope with demand and we expect further appointments once we turn interest in Pongs into concrete orders. It could be worth as much as £500,000 in the first year, with the potential for even more going forward."

DIS offer vehicle graphics, interior graphic solutions, portable display systems and event branding for customers involved in the business, automotive, leisure and retail sectors.

Its team of experts have access to a full in-house 3D studio and large format printing, which helps it provide giant media and signage including Europe's largest poster for Manchester City and advertising for Christian Dior.

The Black Country company's work is seen by millions of people every year at Adidas product launches, at St George's Park (the home of English football) and during its innovative work for Design and Art Direction (D&AD), the educational charity that promotes excellence in design and advertising.

www.dis-group.com

Sign & Digital UK 2019 promises innovation and inspiration

A visit to Sign & Digital UK is the place to discover new possibilities and skills while making connections for the year ahead.

Sign & Digital UK returns to Birmingham's NEC on 2-4 April. With a show theme of The Face of Innovation, the event will focus on inspiring, empowering and connecting visitors in person, attracting business owners who are looking to gain a competitive edge in an ever-changing industry.

With a long of history of showcasing design innovation, the show will present visitors with new interactive features, a high calibre seminar programme and practical live demonstrations covering the latest technologies, products and services.

Portfolio director Rudi Blackett comments: "Leading suppliers at the show cover everything from finished sign systems and wide format printing equipment through to the latest sign and print materials and will offer expert advice as well as exclusive show offers. If you are looking for ways to stand out from the competition, then make sure you take the time to visit Sign & Digital UK 2019."

The event brings together thousands of leading brands, new technologies and products, as well as industry experts across the signage, print, display, décor and design sectors. SDUK is the "only place where visitors can benefit from such a breadth of free face-to-face expert advice, discover the very latest the industry has to offer and benefit from some exclusive show offers".



Visitors can benefit from a breadth of free face-to-face expert advice and discover the very latest the industry has to offer

Exhibitors include AG/CAD DYSS, Antalis, Ashby Signs, Atlantic Tech Services, Automatic Letter Bender, Award Crafters, CADlink, Complete CNC Solutions, CMYUK, D&K Europe, Emo Neon, Epson, Grafityp, Hexis, Hybrid Services/Mimaki, InkTec Europe, Nova Chrome UK, printMAX, Resolute DTG, Roland DG (UK), Sabur Digital, Signgeer, Signmaster Systems, Signwaves, Spandex, Very Displays, Vivid Laminating, William Smith Group and Zund.



The popular Signmakers' Workshop will return in an updated format

New exhibitors

ABC Display Industry, Liquid Lens Systems, Premier Paper Group, PROTEK, Signzworld, Solar Illuminations, Target Transfers, Trade Sign Shop, UK Feather Flags and Viscom LEDs and Frames are among new exhibitors set to join Sign & Digital UK this year.

The popular Signmakers' Workshop will return in an updated format with trainer Paul Hughes using the industry's most in-demand skills and techniques to build an eye-catching shopfront over the course of the show. There will be a broader programme of speakers in the keynote talks, discussions and panel debates that will be held on the Main Stage. New for 2019 will be the Digital Signage Zone, featuring its own theatre and Digital Café.

www.signanddigitaluk.com

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Sovereign Signs celebrates award-winning year

In 2018 Sovereign Signs, part of the Strata Group, was invited to the BSGA Awards Ceremony after being nominated and shortlisted for prestigious awards. Managing director Iain McKenzie, head of Design Sue Cammish, sales manager Oliver Hookem and vinyl & print specialist Gareth Naylor, received the Leisure Sector Sign of the Year 2018 award for the work they carried out at the Leicester City Foxes Fanstore in June 2018.

Sovereign undertook the design, manufacture, production and installation of the interior and exterior signs at Leicester City FC grounds, completed alongside a full shop interior fitout contract undertaken by Newman Scott.

Sovereign completed a full store fit out signage inclusive of entrance 'architectural gantry'; structural signage works; illluminated built-up stainless-steel lettering; ceiling mounted logos; and digitally printed wallcoverings.

Within this project there was a large amount of signage manufactured and installed within a short timeframe, meeting client programme of works. In addition, the company was awarded a Highly Commended spot for Retail Sector Sign of the Year 2018 and a Finalist position for the award of Sign of the Year 2018. Sovereign also attended the Hull Training & Adult Education (HTAE) Awards ceremony in Hull where employee Didzis Gutmanis won Apprentice Signmaker of the Year Award 2018.



Sovereign was awarded Leisure Sector Sign of the Year 2018 award for the work they carried out at the Leicester City Foxes Fanstore.

www.sovsigns.co.uk

CMYUK invests in digital textile development

CMYUK has announced plans to build a digital textile development facility in Shrewsbury. An extension of the company's demonstration and training centre, it will showcase digital textile printing equipment and associated technologies. This new facility will enable CMYUK to expand on its growth in the textile digital print market on production equipment and the development of new textile materials for the emerging décor, design and fashion markets.

This dedicated business division has already established close product development programmes with key textile and equipment manufacturing partners and that drive for product innovation will increase significantly once the centre is on stream in 2019. Digital textile division manager Brett Platt will work closely with commercial director Michael Crook and Joel Willcock (textile material business development), establishing the research and development infrastructure to bring new fabrics to market. The centre will enable CMYUK to evaluate new products for a wide range of textile printing technologies.

"Our objective will be to develop a comprehensive range of natural and man-made fabrics from cottons, linens and polyesters," says Brett, "We will be a one-stop supplier for equipment and material for companies of all sizes."

CMYUK will develop and prove coatings to support its expanding range of natural fabrics, working closely with chemical companies to formulate solutions. R&D will play a large part in the growth of the division including advancement with pigment printing that will help customers achieve the best possible colour and fixation when printing directly onto natural fabrics.

"We will be partnering with designers and production companies to showcase solutions for textile market sectors including contemporary wall and ceiling systems, décor and fashion, hosting many innovation days for customers within the business and educational sectors," concludes group director Robin East.

www.cmyuk.com



In the new facility CMYUK will be developing and proving coatings to support their expanding range of natural fabrics

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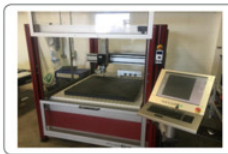
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Cable display systems are simple yet highly flexible. Available in high quality solid brass with a polished chrome finish or satin finish aluminium. Cable systems can be used for modern retail shelving, displaying signage and LED window displays which are highly effective for shop fronts. We supply all parts individually or as simple to use complete kits. Need help? Use our new online chat.

SHOPKIT GROUP LTD
Unit B, 100 Cecil Street, Watford, Hertfordshire WD24 5AD
Tel: 01923 818282
sales@shopkit.com
www.shopkit.com/brochures/
Shopkit manufacture versatile cable & rod display systems to support signage & graphics in our UK FACTORY, offering quality products at COMPETITIVE PRICES in different sizes & metal finishes, with an ONLINE SHOP with next day delivery & quick lead times on CUSTOM ITEMS. Products include sign hanging systems, banner systems, graphic & poster displays, poster & brochure holders & cable fixing kits.

CAST SIGNS

SIGNS OF THE TIMES LTD
Wingfield Road Tebworth, Beds, LU7 9QG
Tel: 01525 874 185
enquiries@sott.co.uk
www.sott.co.uk
Specialists in the manufacture of quality cast signs - mainly cast in polyurethane but also grp, bronze, brass and aluminium. All patterns are made by our in house pattern maker to your specification. A few millimetres up to several metres in size. Cast signs for town entrances, buildings, way finding fingerpost signs, blue plaques, street signs.

WARD SIGNS
Maze House, Maze Street, Barton Hill, Bristol BS5 9TE
Tel: 0117 955 3385
info@ward-signs.co.uk
www.ward-signs.co.uk
Plaques, Crests, Lettering. In aluminium and Bronze. From Pattern Making to Finishing in Stove Enamel. 60 Years of Experience.

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AES SIGNS LTD (EST. 1972)
The Old Laundry, 15 Barratt Street, Easton, Bristol BS5 6DE
Tel: 0117 951 0234
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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.

COUNTY ENGRAVERS & SIGNS LTD
Unit 5, Trent View Court, Moreland Street, Nottingham NG2 3FX
Tel: 0115 985 1171
sales@countyengravers-signs.co.uk
www.countyengravers-signs.co.uk
Fine detail etching of brass and stainless steel. Engraving of all types of plaques, plates, labels and control panels in a wide range of materials. Laser Engraving and Component Marking. Full colour printing from labels to wide format.

DARTFORD ENGRAVING & SCREENPRINTING LTD
Unit 4 Power Works Industrial Estate, Slade green Road, Erith, Kent DA8 2HY
Tel: 01322 340 194
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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 turnround.

HALLMARK ENGRAVING ETCHING & SIGNS LTD (EST. 1899)
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sales@hallmarksigns.co.uk
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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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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
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Tel: 01603 66 66 99
www.mercuryphillipssigns.co.uk
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.

MOCKRIDGE LABELS & NAMEPLATES LTD
Cavendish Street, Ashton-under-Lyne, Lancs OL6 7QL
Tel: 0161 308 2331
sales@mockridge.com
www.mockridge.com
Specialists in chemically etched nameplates. Brass, Stainless Steel and Anodised Aluminium. Any size up to 2400 x 1200mm (8ft x 4ft). One-offs up to 5000+. trade work is totally confidential.

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Tel: 01670 512090
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.

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SIGNTRADE LETTERS LTD
225 Long Lane, London N3 2RL
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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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ATA ENGINEERING PROCESSES
ATA House, Unit B, Boundry Way, Hemel Hempstead, Herts HP2 7SS
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.

COAT OF ARMS

BRYAN RAWLINGS DESIGN
45 Nunney Close, Keynsham, Bristol BS31 1XG
Tel: 0117 986 7894 / 7291
bryan@bryanrawlings.com
www.bryanrawlings.com
Designers and makers of coats of arms, emblems and all types of sculptural and decorative signage. GRP, cast resins, metals, detailed hand painting and much more. Large range of royal coats of arms available. Specialist suppliers to the sign trade.

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: +44 (0)1274 774477
sales@applelec.co.uk
www.applelec.co.uk
Trade suppliers of flat cut out letters, logos and intricate laser work. Lettering in a variety of materials such as acrylic, foamex, dibond, stainless steel, aluminium and MDF is available in different finishes and supplied with or without fixings. Please ask for an information pack or contact one of our friendly and experienced sales staff for assistance. (3D built up lettering is also available).

I.C.E.
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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51-59 Waterworks Road, Norwich NR2 4DA.
Tel: 01603 666699
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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
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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.

SYGNET SIGNS LTD
129 Humberstone Rd, Leicester, LE5 3AP
Tel: 0116 262 6288
sales@sygnetsigns.com
www.sygnetsigns.com
Sygnet Signs 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
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.

CUTTING MATS

CUTTINGMATS XXL
Tel: 020 3936 1106
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.

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www.mockridge.com
Full Colour Digitally printed self adhesive labels, full colour sub-surface printed overlays, full colour nameplates, including plaques and signs. Low Cost. Quick turnaround.

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

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Tel: 01493 419300
enquiries@signwaves.co.uk
www.signwaves.co.uk
Signwaves is a UK manufacturer of sign and display products for internal and external use. The range includes pavement signs and a-boards (including Swinger and Ecoflex signage), snapframes, poster mounting and exhibition displays. Signwaves also offer trade exclusive Stand-Off Sign Fixings and Premier A-Board Frames with low prices guaranteed.

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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.

DIGITAL PRINTER SUPPLIES

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marketing@artsytems.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.

MACTAC UK LTD
Room 232, Victory House, 400 Pavilion Drive, Northampton Business Park, Northampton NN4 7PA
Tel: 01604 644697
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.

DMX LED SYSTEMS

MEGALED LTD
236-242 Alma Road, Enfield EN3 7BB
Tel: +44 (0)208 432 0995
led@megaled.com
www.megaled.com
Specialist led lighting; lights, multi-channel DMX LED light controllers, system design and custom light programming is the norm at MegaLED! We offer a complete service and full range of custom DMX led driver cards, DMX splitters, DMX mains relays, led dimmers and more. If you have any led lighting projects requiring light control or dimming, please call: 0208 432 0995 for a brilliant solution.

DOMES & DISHES

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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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orders@signtradesupplies.co.uk
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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APPLELEC
Unit 1, Wharfedale Business Park, Shetcliffe Lane, Bradford BD4 9RW
Tel: 01274 774477
sales@applelec.co.uk
www.applelec.co.uk
Manufacturers of edge lit signs incorporating a variety of extruded profile options along with bespoke engraved acrylic panels. With award winning and cost effective LED modules and a choice of mounting or hanging shop fitting kits, Applelec supplies an unrivalled range of edge lit trade components. Please ask for an information pack or contact our friendly and experienced sales staff for assistance.

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The Signbuild Centre, Kelso House, Waterloo Street, St Philips, Bristol, BS2 0PH
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enquiry@kingsplastics.co.uk
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 3mtrs long. Panels cnc engraved and lasered 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: +44 (0)208 432 0995
led@megaled.com
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MegaLED are pioneers in edge lighting. Providing a professional LED illumination service and the most impressive range of 'designer'edge lit signs available anywhere. Specialist led lighting and display designs. Manufacturers of quality contemporary edge lit signs in both glass and acrylic. For award-winning led lighting, wayfinding, retail and architectural projects, call us on: 0208 432 0995

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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

ALAN ROBERTS ENGRAVERS
27 Thingwall Drive, Irby Village, Wirral, CH61 3XN
Tel: 07739 800 501
mail@alanrobertsengravers.co.uk
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.

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

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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 turnround.

FIRST SIGNS & LABELS LTD
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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.

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Unit 2, Ashgrove Farm, Piltdown, Uckfield, East Sussex TN22 3XN
Tel: 020 8686 6649
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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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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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Gofaso Software makes quoting fast and easy! Gofaso has been specialised for Sign companies, providing user-friendly calculation templates, workshop management, invoicing and customer relations upkeep. With module E-CRM you can make use of QR-codes on worksheets. Gofaso includes startling new tips and innovative techniques giving your company the strongest advantage.

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SIGNSCAPE AND SIGNCONEX LTD

Pear Tree Works, Bath Road, Upper Langford, Bristol BS40 5DJ
Tel: 01934 852 888
sales@signscape.co.uk
www.signscape.co.uk
Serving the Sign Trade for over 40 years, we are a leading manufacturer of Fingerpost sign systems. Our high quality Fingerpost systems combines aluminium or steel posts, with double skin finger-arms, making it highly durable, and ideal for public locations. We have two systems available; Our Traditional fingerpost system and our “New” Waypoint fingerpost system.

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.accentsignsltd.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

Unit 1, Wharfedale Business Park, Shetcliffe Lane, Bradford BD4 9RW
Tel: +44 (0)1274 774477
sales@applelec
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Trade suppliers of flat cut out letters, logos and intricate laser work. We offer lettering in a variety of materials such as acrylic, foamex, dibond, stainless steel, aluminium and MDF in different finishes and supplied with or without fixings. Please ask for an information pack or contact one of our friendly and experienced sales staff for assistance. (3D built up lettering is also available).

CENTRE SIGNS (UK) LTD

Alexander House, Lliffe Avenue, Oadby, Leicester LE2 5LH
Tel: 0116 271 4247
graphics@centresigns.co.uk
www.centresigns.co.uk
Trade only supplier for all Flat cut lettering and Logo’s. Available in Stainless steel, Aluminium, Alupanel, Dibond, Perspex, Foamex, Polycarbonate, Brass and all composite materials. Laser cutting and Router cutting services as standard. Painted finished are always available. We can supply with or without fixings and always with marked fitting templates. We also supply Builtup Metal lettering.

FABRICUT

Unit 2 Browells Lane, Feltham, Middlesex, TW13 7EQ
Tel: 020 8751 7250
mailus@fabricut.co.uk
www.fabricut.co.uk
Trade suppliers of flat cut letters and logos etc with a 24 hr next day service available. Lots of materials to choose from: Foamex, Perspex, Composites, MDF, Ply, Aluminium, Polished/Brushed Stainless. Aluminium Composite trays signs folded, glued ready for you to hang. Plastic, brass & nickel locators, various studs & sleeves, 3M VHB tape, drilling templates also available.

SIGN HERE

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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.

SIGNATURE SIGNS LTD

5a Kingsway Park, Whittle Place, Dundee. DD2 4US
Tel: 01382 610 016
info@signaturesigns.net
www.signaturesigns.net
Trade suppliers of flat cut letters and logos. We offer lettering in a variety of materials such as acrylic, foamex, dibond, stainless steel and aluminium which are supplied with or without fixings and templates. We also supply 3D built up lettering in stainless steel or acrylic.

SYGNET SIGNS LTD

129 Humberstone Rd, Leicester, LE5 3AP
Tel: 0116 262 6288
sales@sygnetsigns.com
www.sygnetsigns.com
Supplier to the trade since 1974, Sygnet Signs 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!

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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.

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

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

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

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

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JPH SIGN INSTALLATION LTD
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Mob: 07482 720335
info@jphsignfitter.co.uk
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JPH Signs are an up and coming UK Sign & Vinyl Company. From Shopfronts to Flex faces, From Window Manifestation to Digital Wall Prints, we handle it all and our Portfolio can be seen via our website. Midlands Based UK Coverage. Continuously over the past 18months to work with some of the UK's biggest sign companies.

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Mob: 07702 950 218
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www.mediaabseiling.com
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Professional installation and maintenance of all types of signage, graphics and banners. Including, Site surveys, Illuminated signs, Flex-face signage, LED etc. Nationwide service. Established 1984.

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

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Tel: 01803 701 887
steve@signsandgraphicsinstallations.co.uk
www.signsandgraphicsinstallations.co.uk
Signs & Graphics Installations offer a one-stop installation and maintenance service, providing a whole package: surveying, project managing, installation and maintenance. Once we receive your order our professional sign fitting crew will be able to install, maintain and finish your signage to the highest standard.

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sales@vivid-online.com
www.vivid-online.com
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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 experiance

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THINK LASER LTD
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info@thinklaser.com
www.thinklaser.com
Our Subcontract department offers a high quality laser engraving service for permanently marking flat, cylindrical and irregular surfaces of virtually any material. We also offer laser cutting up to 1400 x 900mm in size and 18mm in thickness on a wide variety of non-metallic materials such as acrylic, PLY and MDF. With a minimum order value of £30, laser processing has never been so affordable.

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The "Lightblade" range of flatbed CNC laser cutting and engraving machines are specifically designed for non-metallic marking and cutting applications. Our comprehensive system specification and 1st class training and support ensures you will be up and running in no time. With bed sizes ranging from 300 x 400mm up to 1600 x 1000mm there's a system to suit all applications and pockets. Call us now!

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Manufacturers and suppliers of leading laser cutting, marking and engraving technology, Trotec offers a range of lasers with desktop, flatbed, large format and galvo options. With 6 showrooms in the UK and Ireland, hands-on workshops, training and demos show the high quality engraving and productivity of Trotec's laser machines. Trotec also supplies its own range of rotary & laser materials.

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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.

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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.

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

ARTILLUS - WAYS 2 DISPLAY LTD
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sales@ways2display.com
www.artillus.com
DIAMOND 24V LED light boxes and GARNET light panels can be produced in any size up to 3000 x 1500mm. Diamond light boxes have a 20mm deep frame and 25mm snap frame front. Standard sizes in A4 up to A0 for next day delivery. Custom boxes & GARNET 8mm deep light panels can be made in single colour LED or RGB with controllers, can be dimmable or have built-in phasing. No minimum order quantity.

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Specialise in LED Lighting for Signs & Shop fitting, Kitchens, Restaurants, Commerical & Domestic Lighting. Quality & Professional Lighting to get your job done by giving you our best advises, 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.

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White, warm white & coloured LED modules in 4 sizes and LED ribbon – Flexi ribbon & RGB ribbon. New to 2018 LED Flexi Neon & 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!

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

BROWNINGS LTD
157 English Street, Hull, HU3 2BT
Tel: 01482 380900
sales@browningsltd.co.uk
www.browningsltd.co.uk
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www.mercuryphillipssigns.co.uk
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Tel: 01206 868696
project.plastics@btinternet.com
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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.

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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.

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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.

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sales@signscape.co.uk
www.signscape.co.uk
Serving the Sign Trade for over 40 years, we are a leading manufacturer of modular sign systems and notice boards. We have the widest range of exterior notice boards of all UK manufacturers, and specialise in tailoring our boards to suit each location. This is achieved through a wide range of options, including; wall, rail, post and stand mountings, mains/solar illumination and custom graphics.

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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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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.

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enquiries@signwaves.co.uk
www.signwaves.co.uk
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Tel: 0161 431 4400/4411
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UK Point of Sale leading manufacturers of display products Acrylic & PVC poster holders, Sign Supports, Aluminium Snap Frames, A Boards, Poster cases & Point of sale fittings.

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157 English Street, Hull, HU3 2BT
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sales@browningsltd.co.uk
www.browningsltd.co.uk
Brownings is one of the largest, TRADE ONLY suppliers of signage products. We manufacture poster frames, menu cases, slimlocks, signtrim, troughlights, acrylic-faced light boxes, flexfaced signage and now our new Texsign frames for internal use. The two versions of poster holders, the slimlock and menu case are both thin, lockable and hinged. They are available in any practical size and colour.

SIGNSCAPE AND SIGNCONEX LTD
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Tel: 01934 852 888
sales@signscape.co.uk
www.signscape.co.uk
Serving the Sign Trade for over 40 years, we are a leading manufacturer of notice boards, modular sign systems & information displays. Our Avenue poster case provides high quality yet affordable, external poster display in a variety of sizes.

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Tel: 01493 419300
enquiries@signwaves.co.uk
www.signwaves.co.uk
Signwaves supplies poster displays suitable for both indoor and outdoor use. As the UK's largest manufacturer of point of sale signs and displays, Signwaves can provide you with high quality poster frames, snapframes, menu cases and lockable noticeboards. Express made to order service is available for a selection of custom coloured Slimlok Menu Cases, Poster Cases and Noticeboards.

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Tel: 0161 431 4400/4411
www.ukpos.com
UK Point of Sale leading manufacturers of display products Acrylic & PVC poster holders, Sign Supports, Aluminium Snap Frames, A Boards, Poster cases & Point of sale fittings.

PRINT/POSTER FRAMES

BROWNINGS LTD
157 English Street, Hull, HU3 2BT
Tel: 01482 380900
sales@browningsltd.co.uk
www.browningsltd.co.uk
Brownings is one of the largest, TRADE ONLY suppliers of signage products in the UK. We manufacture poster frames, menu cases, slimlocks, signtrim, troughlights, acrylic-faced light boxes, flexfaced signage and now our new Texsign frames for internal use. The aluminium frame are available in two widths, 25mm and 38mm, can be supplied to your specification and can even be illuminated.

SIGNWAVES
Lefevre Way, Gapton Hall Industrial Estate, Great Yarmouth, Norfolk NR31 0NW
Tel: 01493 419300
enquiries@signwaves.co.uk
www.signwaves.co.uk
Signwaves supplies poster displays suitable for both indoor and outdoor use. As the UK's largest manufacturer of point of sale signs and displays, Signwaves can provide you with high quality poster frames, snapframes, menu cases and lockable noticeboards. Standard stocked snapframes have guaranteed low prices with the Signwaves snapframe price match policy.

UK POS
Horsfield Way, Bredbury Park Industrial Estate, Stockport SK6 2TD
Tel: 0161 431 4400/4411
www.ukpos.com
UK Point of Sale leading manufacturers of display products Acrylic & PVC poster holders, Sign Supports, Aluminium Snap Frames, A Boards, Poster cases & Point of sale fittings.

PROJECT MANAGEMENT SERVICES

PERFECTIONIST PROJECTS LTD
Dittons Road, Polegate, BN26 6HY
Tel: 01323 489361
www.perfectionistprojects.co.uk
We produce Schematic Drawings showing all significant components, parts, and their interconnections by means of standard symbols. Schematic diagrams for a project may be used for preparing preliminary cost estimates. We are very experienced in processing Advertising Consent Planning Applications for all sectors including Retail High Street, Petroleum and Corporate, all at very competitive rates.

PROJECTING SIGNS

IRON DESIGN
37A Douglas Rd., Poole, BH12 2AU
Tel: 01202 463573
enquiries@ironsigns.com
www.ironsigns.com
Leading trade suppliers of high quality traditional and contemporary projecting signs and brackets, offering a large range of brackets, panels and lights off the shelf, as well as a comprehensive bespoke service. Competitive prices and next day service. Please visit our website or phone for a brochure.

SIGNWAVES
Lefevre Way, Gapton Hall Industrial Estate, Great Yarmouth, Norfolk NR31 0NW
Tel: 01493 419300
enquiries@signwaves.co.uk
www.signwaves.co.uk
Signwaves is the UK's leading manufacturer and supplier of projecting signs, fabric flags and flying banners. A selection of wall mounted, glass mounted and freestanding options are available, with many units suitable for interior and exterior use. All of Signwaves' projecting signs and flags can be printed to order if required.

REFLECTIVE VINYL/TAPES

ATC LTD
Calf Hey South, off Well'ith Lane, Rochdale OL11 2JS
Tel: 01706 633043
sales@apptape.co.uk
www.apptape.co.uk
Suppliers of Micro prismatic reflective tapes (3m, Avery, Reflexite) and glass bead reflective vinyl for use on emergency vehicles (police cars & chapter 8 legislation etc) also HGV markings as per EC 104. We stock Conspicuity tape manufactured by Reflexite and Avery which are some of the most reflective materials available on the market. Chapter 8 chevron kits also available.

SIGN TRADE SUPPLIES LTD
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.

ROUTER CUTTERS/ PLOTTER BLADES

ATA ENGINEERING PROCESSES
ATA House, Unit B, Boundry Way, Hemel Hempstead, Herts HP2 7SS
Tel: 01442 264411
sales@ataeng.com
www.ataeng.com
Extensive range of high quality solid carbide, PCD, carbide tipped and HSS cutters manufactured by ONSRUD CUTTER offer routing solutions for most types of material.

EDWARD MATHIAS & CO
PO BOX 121, Frodsham, Cheshire, WA6 1AA
Tel: 01928 739 799
info@edwardmathias.com
www.edwardmathias.com
Specialist manufacturers/suppliers of tungsten carbide plotter blades and router cutters. We don't just sell blades, we are the UK's leading manufacturer. Note - we have no connection with any other company who sell or re-sharpen blades.

SCREEN PRINTING

DARTFORD ENGRAVING & SCREENPRINTING LTD
Unit 4 Power Works Industrial Estate, Slade green Road, Erith, Kent DA8 2HY
Tel: 01322 340 194
mail@desp.co.uk
www.desp.co.uk
DESP has been trading for over 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 turnround.

FIRST SIGNS & LABELS LTD
Unit 1, Raynham Close, Raynham Rd Ind Estate, Raynham Road, Bishops Stortford, Herts, CM23 5JP
Tel: 01279 467999
sales@firstsignsandlabels.co.uk
www.firstsignsandlabels.co.uk
We specialise in high quality screen printing. We are suited to meet print requirements onto many substrates. We have finishing capabilities with die cutting and CNC routing. We offer a fast and efficient service, should you require 1 off's or larger run's give our team a call.

HT SCREEN PRINT
15 Ridge Way, Hillend Industrial Estate, Dalgety 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!

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51/59 Waterworks Rd. Norwich NR2 4DA
Tel: 01603 666699
sales@mercuryphillips.co.uk
www.mercuryphillipssigns.co.uk
High quality screen printing to all types of rigid and flexible base materials ie. self-adhesive vinyl, paper, plastic and metal. From single to full colour and small or large runs.

SCULPTORS

BRYAN RAWLINGS DESIGN
45 Nunney Close, Keynsham, Bristol BS31 1XG
Tel: 0117 986 7894 / 7291
bryan@bryanrawlings.com
www.bryanrawlings.com
Designers and makers of coats of arms, emblems and all types of sculptural and decorative signage. GRP, cast resins, metals, detailed hand painting and much more. Large range of royal coats of arms available. Specialist suppliers to the sign trade.

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Righton House, Brookvale Road, Witton, Birmingham B6 7EY
Tel: 0121 356 1141
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 803580
sales@teleganpressedproducts.com
www.teleganpressedproducts.com
Leading manufacturer of plate pressed PVC sheet offering equivalents to Darvic, Pacton and Cobex under our trade name TELBEX. We also manufacture VYNALAST™ engraving laminate. A comprehensive range of photoluminescent boards and self adhesive vinyl is available in PSPA class B and Class C to order.

VISIONS IN PLASTICS
Unit 3, Delta Court (Robin Hood Airport), Auckley, Doncaster, DN9 3GN
Tel: 01302 775920
sales@visionsinplastics.co.uk
www.visionsinplastics.co.uk
Stocks of Mirrored Extruded Acrylic in clear, 19 colours, See-Thru, Two sided, Anti Scatch, Anti Fog. Mirrored Polycarbonate, Petg and Polystyene. Non mirrored sheet in Acrylic, ABS, Polycarbonate, Polystyrene and PVC Foam.

SIGN & DISPLAY SYSTEMS

PLEX DISPLAY LTD
The Furlong, Berry Hill Industrial Estate, Droitwich, Worcestershire, WR9 9BG
Tel: 01905 798 123
sales@plexdisplay.com
www.plexdisplay.com
Established in 1994, Plex Display are hardware designers and manufacturers of Display, Café Barrier and Signage systems. We offer the trade highly competitive pricing, unrivalled stock levels and same day despatch, all backed by first class customer service and technical support. So whether you are in the exhibition, display, signage or large format printing industries we have products to suit you

SIGNSCAPE AND SIGNCONEX LTD
Pear Tree Works, Bath Road, Upper Langford, Bristol BS40 5DJ
Tel: 01934 852 888
sales@signscape.co.uk
www.signscape.co.uk
Serving the Sign Trade for over 40 years, we are a leading manufacturer of modular sign and display systems, notice boards & other information displays. Our 6 major sign systems are used and combined, to create a wide range of sign display solutions, including full signage schemes. With all products made to order, we specialise in tailoring solutions to suit each client, location and application.

SIGNWAVES
Lefevre Way, Gapton Hall Industrial Estate, Great Yarmouth, Norfolk NR31 0NW
Tel: 01493 419300
enquiries@signwaves.co.uk
www.signwaves.co.uk
Signwaves offers sign and display systems suitable for both internal and external use. The Adfresco Café Barrier system has stylish framework components and banner materials available to mix and match. Alternatively, freestanding Modular Pole Systems with a choice of poster frames, brochure shelves and banner sets for 2 channel or 4 channel poles can create informative internal displays.

VERY DISPLAYS LTD
17 Boston Road, Gorse Hill Industrial Estate, Leicester LE4 1AW
Tel: 0116 232 3156
Sales@VeryDisplays.com
www.VeryDisplays.com
Our aim is to set the benchmark for trade display solutions by providing innovative, high-quality products at the most competitive prices. Trust Very Displays to enhance your brand and exceed expectations, from a personalised service through to same day dispatch. Get in touch today to find out more about our comprehensive range of products.

SIGN LOCATORS

F. K. MOORE LTD
5 Wilton Road, Haine Industrial Park, Ramsgate, Kent CT12 5HD.
Tel: 01843 593 440
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

SIGN TRADE SUPPLIES LTD
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 HOBDAY LTD
57 Aston Brook Street East, Aston, Birmingham, B6 4RR
Tel: 0121 608 4431
sales@e-signfittings.co.uk
www.e-signfittings.co.uk
E-Signfittings are one of the largest suppliers of Sign Standoffs, Cable & Rod Display Systems in the UK. We have large stocks available on next day delivery for orders received before 3pm and are equipped to supply orders from a few pounds up to thousands of pounds. Products in our range include Screw Head Covers, Poster Hanging Systems, Sign Hanging Systems, Leaflet Holders and Poster Displays.

I-SPI LTD
47 Mansionhouse Road, Mount Vernon, Glasgow G32 0RP
Tel: 0141 764 1600
sales@ispitrade.com
www.ispitrade.com
I-SPI Trade supplier of sign support systems. Our range includes wall mounts, cable & rod display systems, screw covers, LED lighting and much more all at THE REAL TRADE PRICE. Massive stocks and next day delivery. See our products on our web site or give Stephen or Sean a call for a brochure.

SHOPKIT GROUP LTD
Unit B, 100 Cecil Street, Watford, Hertfordshire WD24 5AD
Tel: 01923 818282
sales@shopkit.com
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 ON-LINE 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.

UK POS
Horsfield Way, Bredbury Park Industrial Estate, Stockport SK6 2TD
Tel: 0161 431 4400/4411
www.ukpos.com
UK Point of Sale leading manufacturers of display products Acrylic & PVC poster holders, Sign Supports, Aluminium Snap Frames, A Boards, Poster cases & Point of sale fittings.

SIGN SURVEYOR

PB WILLIAMS SIGN SURVEYOR
48 Durley Rd, Aintree L9 9AW
Tel: 07885 486 182
achromesigns@yahoo.co.uk
We specialise in sign surveying to the trade, with 30 years of experience as a sign fitter/manufacturer. I was contracted to large companies in the north west, and country wide. I am based in Merseyside and have PASMA, IPAF/PAL & CSCS qualifications and will travel UK and Europe. For further details please contact the above number or email.

PERFECTIONIST PROJECTS LTD
Dittons Road, Polegate, BN26 6HY
Tel: 01323 489361
www.perfectionistprojects.co.uk
Whatever the size of your Project, we can provide you with fast, cost-effective and accurate sign surveys anywhere in the UK. Before leaving Site we utilise the latest digital technology (SPIKE) to communicate data and photos directly to you as a PDF, High-Res JPG (with measurements or images only) or URL and we can provide helpful positional data (Latitude, Longitude, Altitude).

SIGN TRADE SUPPLIERS

BROWNINGS LTD
157 English Street, Hull, HU3 2BT
Tel: 01482 380900
sales@browningsltd.co.uk
www.browningsltd.co.uk
Brownings is one of the largest, TRADE ONLY suppliers of signage products in the UK. We manufacture poster frames, menu cases, slimlocks, signtrim, troughlights, acrylic-faced light boxes, flexfaced signage and now our new Texsign frames for internal use. Any size or quantity, from 1 offs to multiple rollouts. We are happy to supply as lengths of extrusion, in kit form or as made-up signs.

SIGN TRADE SUPPLIES LTD
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.

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

SIGNWAVES
Lefevre Way, Gapton Hall Industrial Estate, Great Yarmouth, Norfolk NR31 0NW
Tel: 01493 419300
www.signwaves.co.uk
Signwaves is a UK manufacturer of sign and display products for internal and external use. The range includes pavement signs and a-boards (including Swinger and Ecoflex signage), snapframes, poster mounting and exhibition displays. Signwaves also offer trade exclusive Stand-Off Sign Fixings and Premier A-Board Frames with low prices guaranteed.

SYGNET SIGNS LTD
129 Humberstone Rd, Leicester, LE5 3AP
Tel: 0116 262 6288
sales@sygnetsigns.com
www.sygnetsigns.com
At Sygnet Signs, we’ve been creating bespoke and off-the-shelf signage for the trade since 1974. Whether you require Fascias, Built-Up or Flat-Cut Letters & Logos, Custom LED Illuminated Signs, our specialists will cut them using a laser or CNC router. We use the latest 3D/CAD development in the design and manufacturing processes, and all this happens on-site at our HQ in Leicester city centre.

SNAP FRAMES

SNAP-FRAMES.COM
Earlsmead, Letchworth, Herts, SG6 3UE
Tel: 01462 682 210
www.snap-frames.com
Snap frames are the clever front opening poster frames for the professional display for your promotional posters, signs, notices etc. Order online from huge stocks, for all sizes and styles including mitred corner, rounded corner, locking, tamper resist, freestanding, water-resist, coloured, wood effect, illuminated etc. Individually boxed and including anti-glare cover sheet, screws, wall plugs.

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

SPECIALITY FILMS

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

MACTAC UK LTD
Room 232, Victory House, 400 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.

STREET SIGNS

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

TEXTILE SIGNAGE

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

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

TROUGH LIGHTING

BROWNINGS LTD
157 English Street, Hull, HU3 2BT
Tel: 01482 380900
sales@browningsltd.co.uk
www.browningsltd.co.uk
Brownings is one of the largest, TRADE ONLY suppliers of signage products in the UK. We manufacture poster frames, menu cases, slimlocks, signtrim, troughlights, acrylic-faced light boxes, flexfaced signage and now our new Texsign frames for internal use. The troughlight comes complete with a high impact, hinged polycarbonate face. We supply in any size, colour or quantity.

VECTORISING SERVICE

DRAWUK
Woodside Chapel, Tabbits Hill Lane, Corfe Castle, Wareham, Dorset BH20 5HY
Mob: 07833 087 686
james@drawuk.com
www.drawuk.com
At DrawUK, we specialise in artwork reproduction or vectorizing as it's commonly known. Taking your JPEG/BMP images & turning them into high quality vector images. We have been producing vector images and artwork since 2003 making us highly experienced in this field. So if you have any images that you need converting or you just require a better quality one, please don't hesitate to get in touch.

VINYL & GRAPHIC INSTALLATIONS

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
Specialist applicators of all types of vinyl and graphics. Vehicle application, Windows, Wall & Floor graphics etc. Fleet specialists. Nationwide service.

PERFECTIONIST PROJECTS LTD
Dittons Road, Polegate, BN26 6HY
Tel: 01323 489361
www.perfectionistprojects.co.uk
Our unbranded installation crews are very experienced, fully qualified and are all directly employed by us, we do not sub-contract out work - this ensures clear and accurate communication at all times. We are available at short notice to assist your company anywhere in the UK with a complete range of professional services.

VINYL SUPPLIES

3M COMMERCIAL SOLUTIONS
3M House, 4th Floor, Building 8, Exchange Quay, Salford Quays, Manchester M5 3EJ
Tel: 01344 857000
commgraphics.uk@mmm.com
www.3M.co.uk/graphicsolutions
3M are global manufacturers of a wide variety of 'Matched Component System' Warranted graphic materials: 3M Scotchcal™, 3M Controltac™ Plus, 3M Scotchlite™, 3M Diamond Grade™, 3M Light Management™ film technologies, 3M Panaflex™ flexible substrates, Comply™ Adhesive Technology, 3M DI-NOC™, Scotchprint® Graphics™ and 3M™ Envision products.

APA (UK) LTD
Unit 10 Capital Ind. Est., Crabtree Manorway South, Belvedere, Kent, DA17 6BJ
Tel: 020 8311 4400
apauk@apaspa.com
www.apaspa.com
One of Europe's main vinyl manufacturing companies supplying own brand self-adhesive plotter vinyl and Digital Print media. Plotter vinyls from short-term up to 10 years including Truck, Cast, Vehicle Wrapping, Frost-effect, Solar, Reflective and an extensive range of Print material for UV, Solvent and Dye/Pigment inks, all application aids are available.

ATC LTD
Calf Hey South, Off Well'ith Lane, Rochdale, Lancs OL11 2JS
Tel: 01706 633043
sales@apptape.co.uk
www.apptape.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.

AVERY DENNISON
Nelson Way, Cramlington, NE23 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.

GREENSTIK MATERIALS LTD
Unit 9 Lancaster Road, Carnaby Industrial Estate, Carnaby, Bridlington, East Yorkshire, YO15 3QY
Tel: 01262 602 222
sales@greenstikmaterials.co.uk
www.greenstikmaterials.co.uk
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

MACTAC UK LTD
Room 232, Victory House, 400 Pavilion Drive, Northampton Business Park, Northampton NN4 7PA
Tel: 01604 644697
www.mactacgraphics.eu
Mactac is a global manufacturer of self-adhesive films designed to bring out your talent. Our highly innovative printing and marking products transform interior decoration, commercial architecture, signage and visual communications – for applications that include buildings, windows, point of sale, vehicles and boats. Mactac solutions are used by some of the world's most prestigious brands.

MDP SUPPLIES
Unit 3 Lumina Park, Bromborough, Wirral CH62 3PT
Tel: 0151 272 1234
info@mdpsupplies.co.uk
www.mdpsupplies.co.uk
Distributor to sign makers and garment printers. Stocking Ritrama, KPMF, DeTape and many other leading brands. Order online at www.mdpsupplies.co.uk, by phone or at any of our 9 branches across the UK. No account needed. Last order time - 6pm for next day delivery.

PYRAMID DISPLAY MATERIALS LTD
Head Office, Unit 5 Westpoint Enterprise Park, Clarence Avenue, Trafford Park, Manchester M17 1QS
Tel: 0161 872 5666
sales@pyramid-display.co.uk
www.pyramid-display.co.uk
We supply a huge array of different sign vinyl products with options suitable for virtually any sign vinyl application you may need. Choose from monomeric vinyl, polymeric vinyl, premium cast vinyl, reflective vinyl translucent vinyl, fluorescent vinyl and etched vinyl, produced by leading manufacturers such as MACtac, Avery Dennison, LG and Aslan.

SIGN TRADE SUPPLIES LTD
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.

WAYFINDING SIGNS

APPLELEC
Unit 1, Wharfedale Business Park, Shetcliffe Lane, Bradford BD4 9RW
Tel: +44 (0)1274 774477
sales@applelec.co.uk
www.applelec.co.uk
Trade suppliers of curved or flat-faced wayfinding 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 are available. Please ask for an information pack or contact one of our friendly and experienced sales staff for assistance.

I.C.E.
Tannery Works, 12 Whingate, Leeds LS12 3BL
Tel: 0113 2242124
sales@icesigns.co.uk
www.icesigns.co.uk
Suppliers of internal and external wayfinding and directory systems to DDA (1995) guidelines if required.

SIGNSCAPE AND SIGNCONEX LTD
Pear Tree Works, Bath Road, Upper Langford, Bristol BS40 5DJ
Tel: 01934 852 888
sales@signscape.co.uk
www.signscape.co.uk
Serving the Sign Trade for over 40 years, we are a leading manufacturer of modular sign systems & information displays. We have 4 major systems for creating interior and exterior wayfinding sign solutions including; post and panel, flush panel and curved panel signs; desk, door and wall signs, wall directories, monolith and fingerpost signs. We have also offer a full graphics service if required.

WIDE FORMAT SOLUTIONS PROVIDER

COLOURGEN
Bray House, 4 Westacott Way, Maidenhead Office Park, Maidenhead, Berks SL6 3QH
Tel: 01628 588722
sales@colourgen.com
www.colourgen.com
Colourgen is the UK's leading specialist distributor of large format digital colour printing solutions, consumables, bespoke software, engineering and technical support services. The Company is the exclusive UK distributor for the Mutoh Sign & Display, Speciality/Industrial, Dye Sublimation and Direct to Textile printers.

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Unit 2, Ashgrove Farm, Piltdown, Uckfield, East Sussex TN22 3XN
Tel: 0208 686 6649
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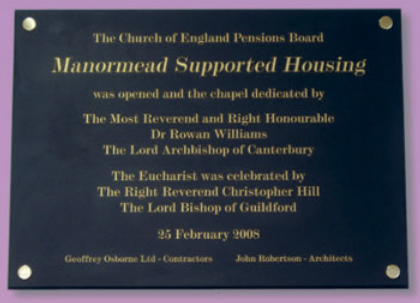
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