

# INDUSTRIAL SOLUTIONS UK

## OFFERING A COMPREHENSIVE RANGE TO A WIDE VARIETY OF CONSTRUCTION SECTORS

Specialising in unique glass and metal structures, Demon Designs can supply and install totally bespoke solutions or standard off-the-shelf products.

### Anachem

Making laboratories greener on page 9

### Leman Instruments

Air Monitoring Company of Choice Award on page 12

### Unisig

See their upgraded deep drilling hole systems on page 16

“SEE SPECTRO ANALYTICAL INSTRUMENTS ANNOUNCE THEIR NEW SPECTROMETERS on page 11”

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Upgrading it's deep hole drills

## Including BUILDING UPDATE

Featuring a wide variety of companies from across the UK and Europe, from Builders to Landscaping.

## Editors comments

Hello & welcome to the third issue of Industrial Solutions UK!

The team at Industrial Solutions UK has been working extremely hard to bring you an issue that is full of innovative and exhilarating companies and we are very excited to share their success and achievements with you.

We have searched the length and breadth of the UK to bring you some of the most ground-breaking innovations and this month we are overjoyed to be highlighting the activities of Anachem and Unisig.

Firstly, we would like to focus on the accomplishments Demon Designs who this month features on our front cover!

Secondly, we are featuring Lemans Instruments with the 'Air Monitoring Company of Choice Award' profile following their impressive performance over the years. For more information, turn to page 12.

I hope you enjoy reading this issue of Industrial Solutions as much as we have enjoyed bringing it to you. Happy reading and we hope to see you for the next edition!

**Ian Hayward**  
Editor  
INDUSTRIAL SOLUTIONS UK

For all advertising & sales enquiries,  
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## Industrial News

### Delivering facilities services brilliantly



With over 50 years' experience, TC Facilities Management provides a wide variety of businesses with a quality range of single and multi-service FM contracts. From its multiple headquarters throughout the country (including its UK base in Tadworth) the company provides these unique and exceptional services to customers across 6,000 sites around the country.

The family owned business was set up in 1962 by founder Trevor Cripps and has since grown substantially, securing their status as one of the nation's leading privately owned facilities management companies.

"Our operational support teams help bring to life the innovation and brilliant service our customers require and expect," commented Marketing Manager Fiona Ellingham.

"We pride ourselves on providing businesses with services that make them great companies to do business with or work at. When asked why they use our services, our clients tell us and others that we 'solve their problems,' 'get things done' and 'delivered a flawless transition.'

"We are very passionate about our people as it is through them that we are successful. Alongside this belief we operate around 4 key values as follows: treat people as we want to be treated, work with our customers to add value, deliver what we agree and operate with a unified team approach."

TCFM's services cover everything from cleaning and catering to planned periodics and security solutions for the retail, commercial, warehouses & leisure sectors. Specific activities include daily cleaning, sanitisation & hygiene, housekeeping, efficiency management, washroom services, manned



guarding, control room & support, mobile patrols & key holding, electronic solutions, window cleaning & abseiling, cladding cleaning, jet & pressure washing, builder & sparkle cleans, diamond polishing and gum & graffiti removal.

"In securing an increased number of contracts within the Retail, Commercial and Distribution Centre space we have extended our HR and Operational Teams capability to ensure that our service delivery and account management delivers what has been promised," Fiona explained.

"Our heritage in the retail sector has recently been recognised by securing new business at two of the UK's Top 10 retail brands. These contracts have seen the use of state-of-the-art and innovative biometric software which will help to deliver robust monitoring and management reporting."

"Our plans for the future," she concluded, "Centre predominantly around growing both organically and through acquisitions. Our security and specialist services brands came through this route. As businesses continue to outsource FM services this, along with continuing to maintain relationships with market leading partners, will enable us to continue to deliver the bespoke services clients are looking for."

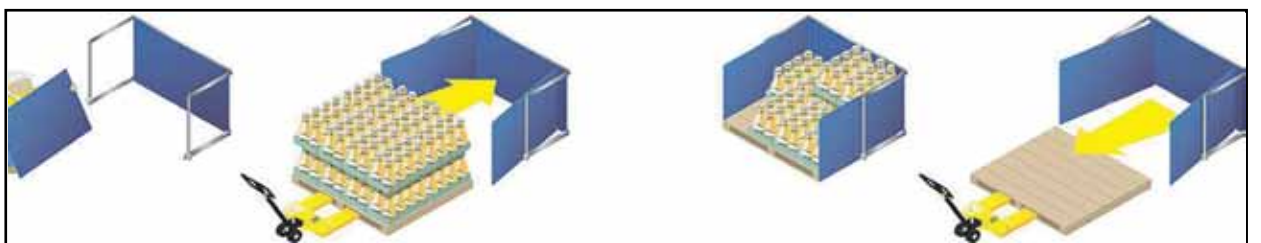
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**LinkedIn: <https://www.linkedin.com/company/tc-facilities-management>**

**Twitter: @TCfacilitiesmgt**



## Pallet Collars from Practical Warehouse Solutions

Innovative pallet collar design, easy to use practical solution and cost effective way to protect your stock!

Re-usable, sturdy and flexible – the cost effective way to protect your investment. StockSafe Pallet Collars are unique in that they stay within the warehouse racking and the pallet bearing stock is delivered to it – rather than having to lift the stock into a unit.



From food and drink to pharmaceuticals and cosmetics, StockSafe Pallet Collars can keep your stock safe!

To find out more, call 01604 770703, email us or download our information leaflet.



# Leading supplier of metal finishing equipment and consumables, Engineering Utilities



Established in 1976, Engineering Utilities is a leading supplier of metal finishing equipment and consumables.

Originally founded by Brian Soulsby in Bradford, West Yorkshire, the company offers a host of solutions and equipment for metal preparation, finishing and cleaning to a diverse range of industry sectors in the UK and Europe.

Brian set up Engineering Utilities after identifying a market-wide requirement for high-quality, innovative metal finishing solutions. One of the breakthrough products he pioneered was the Lodfield Blast Pistol, which offered a unique method for

removing rust from vehicles, in the days when coating technology was in its infancy.

His vision was to not only service the engineering sector with revolutionary technology, but also to provide a livelihood for his family and future generations, which came to fruition in 1990 when the first of his sons, Nigel, joined the family firm.

Engineering Utilities has continued to evolve over the last four decades. Now based in Leeds, it's run by the second generation of the Soulsby family –

brothers Nigel, Julian, Gavin and Murray. The business has grown and developed thanks to the team continuously observing market trends and striving to bring the best metal finishing solutions to the market.

The company's solutions driven approach is like no other in the industry – the team regularly source bespoke machines and equipment based on a customer's specific requirements, bringing first-class innovation and world-leading technology to the sector. This approach has led to the team becoming renowned for offering outstanding service, expert advice and quality products at competitive prices.

The four Soulsby brothers travel extensively to keep in touch with their customers and suppliers, allowing them to immerse themselves in the heart of the industry to ensure they remain at the forefront of market developments.

This determination to provide the most advanced metal finishing solutions available has led to Engineering Utilities securing the exclusive rights to distribute a number of pioneering products, including Eisenblatter, Loewer, Boeck, NS Maquinas and the revolutionary TIG Brush®, in the UK and Ireland.

The TIG Brush® has been designed to safely and effectively remove the discoloured oxides that occur when weld cleaning.

The machine comprises of a brush, which converts electric currents to high



temperatures, that is dipped into an NSF approved fluid before being applied to the areas to be cleaned, in order to remove the iron oxide marks resulting from the welding. The fluid is not inherently dangerous to the operator's health under normal conditions, making it a lot safer to use than alternative weld cleaning methods.

The Loewer machines distributed by Engineering Utilities have been designed to deliver three different processes in one compact system – deburring, edge rounding and surface finishing. The equipment within the Loewer range is more energy efficient than competitor models, while also saving on valuable factory floor space.

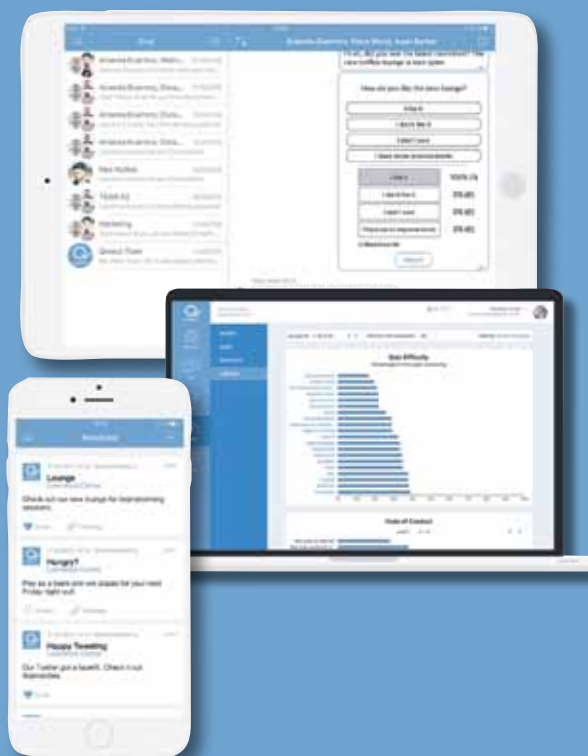
Engineering Utilities' one-of-a-kind service means the company assists sector-leading clients across the globe in a number of industries including nuclear, filtration, oil and petrol, food and catering, transportation, pharmaceutical and construction.

More information on Engineering Utilities can be found at: [www.engineeringutilities.com](http://www.engineeringutilities.com) or by calling: 0113 255 8887

## Employee Engagement News

### The app to keep everybody focused whether they're in or out of the office

Qnnect is the Enterprise App for employee training and development reinforcement, communication, engagement and participation. A focused learning and secure communications channel for the people that make your business. Qnnect is an All-in-one Desktop and Mobile App that helps Capture, Keep and Share all the information you need to put safely into the hands of co-workers and staff. Content can be in any format and includes gamification, surveys, training delivery, peer to peer coaching and personal development tools.



Please visit [www.qnnect.com](http://www.qnnect.com)



### For the empowerment of employees

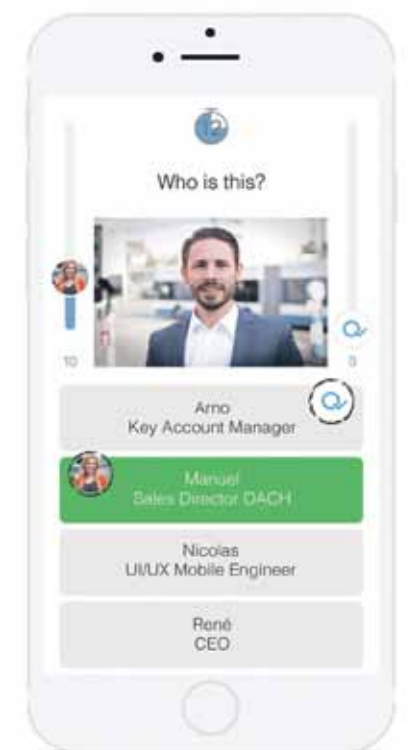
Contemporary company Qnnect Solutions is a specialist software provider focused on encouraging effective modes of employee engagement. This is provided through communication and a form of supportive learning technology; an intelligent app used for training, interaction and participation purposes (as well as information access, skill strengthening and team development).

The reputable industry expert is best known for its Qnnect software, which is tailor-made to suit the needs of individual company agendas. The comprehensive solution is ideal for organisations logging and sharing business content, namely in the form of surveys, gamification, training delivery, peer-to-peer coaching and tools for personal progression.

The dynamic app combines communication, learning and information sharing as an essential desktop and mobile business resource designed to empower employees and optimise working environments. The innovation was devised to identify knowledge gaps, boost understanding and prompt performance improvement by proven methods of reporting, tracking and analytics. It enables co-workers to access the data they need without having the hassle of having to look elsewhere and aids group liaison with the utilisation of secure chat facilities.

Earlier this year the newest version of Qnnect was released to market. This enhanced addition is faster and easier to use and makes surveying and feedback delivery smoother processes whilst encouraging employees to become more involved with the decision-making within the company. Significant outputs include greater employee contribution, complete customer satisfaction and a happy and healthy work environment (with a strong emphasis on rewards and recognition being granted to staff members).

Although the company was only set up in 2013, Qnnect has already proven popular with customers across the UK, Germany and Switzerland. Customisable to suit any business within any industry, the dedicated learning channel can be configured as appropriate to drive enterprises forward with efficiency and effect. In addition, the app can be accessed by anyone at any time, so user convenience is heightened, and management can better monitor the development of their teams to ensure any areas



for advancement can be identified.

If you would like any further information on Qnnect Solutions, or if you are interested in finding out more about how this software can enrich your company and personnel, then please don't hesitate to contact the group today. A well informed representative will be more than happy to assist you should you have any additional questions or enquiries.

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<http://trial.qnnect.com>

## The benefits of using labels for craft beer cans



For years' craft brewers chose glass bottles to package their beer. The glass container was seen as the only viable option for small operations. Brewers were able to buy glass bottles in bulk and then label them on-site with minimal investment in packaging equipment.

But a lot has changed in packaging technology.

In the last few years, the aluminium industry has found ways to make the cans more light-weight and they're squashing the flavour myth. Additionally, cans are recycled more and, because of their opaque material, they preserve the flavour longer than glass. Due to its recyclability and preservation, some consumers are reaching for cans more than bottles these days. But the one drawback that still makes it difficult for craft brewers to switch to cans is the high minimums of pre-printed cans and the cost of canning machinery.

A solution to this can vs. bottle debate is to use blank cans with pressure-sensitive labels. Brewers can buy the blank cans in bulk without storing thousands of pre-printed cans, which may become obsolete. To manage your inventory, you can order custom labels based on the quantity you want to apply without holding onto extra materials. If

you're still growing, you might not have the storage space to store all those pre-printed cans.

Some breweries are moving to shrink sleeve label material for their cans. This is a great solution but you'll still need to have the volume that allows for the investment of the application equipment.

If you're just starting out, or want to label both cans and bottles, pressure-sensitive labels will keep your look consistent and keep the packaging cost down. The same equipment used to label your 12 oz. or 22 oz. beer bottles will also work for your cans. Plus, if you decide to offer crawlers at your taproom, you can apply the pressure-sensitive labels straight to the can without large labelling equipment.

Your best bet for labels for craft beer cans is a film or BOPP label material. The adhesive will be strong enough to adhere to the can and the face stock will be durable enough to maintain your design even if it's stored in a wet environment like a refrigerator or cooler full of ice.

Plus, if you use a clear film label material, you'll be able to incorporate the shiny metallic look of the aluminium can into your design. Or you can also choose a metallized material which will add even more pop to the design.

If you have any questions about craft beer labels or labelling cans, contact our Beer Labelling Expert and get samples and a quote.

**T +44 18756 11111**  
**sales@weber.co.uk**  
**www.weber.co.uk**



## Food & beverage traceability



Weber Packaging Solutions looks at how automation in food and beverage production can help to deliver increased quality assurance and traceability.

### What is traceability?

According to Irish & EU Food Law, "Traceability" is the ability to trace and follow a food, feed, food-producing animal or substance intended to be, or expected to be, incorporated into a food or feed, through all stages of production, processing and distribution.

### Standardisation

Providing a sell by or use by date on your product is no longer sufficient. Consumers, manufacturers and distributors require more information on where and when the product was produced and/or processed, where it originated, what it contains and how to use it.

To help meet the requirements of all stakeholders within the supply chain there has been a move towards standardisation in the way information on food and drink packaging is presented.

### EU regulations

The European Food Information to Consumers Regulation No 1169/2011 (FIC) brings together EU rules on general food labelling and nutrition labelling into a single piece of legislation. New rules on country of origin

information for majority of meats from April 2015.

### GS1

GS1 standards provide a wider framework for supply chain visibility and are steadily being adopted by the food and beverage industry to offer recognised framework for supply chain visibility and product traceability. Implementing a traceability system within a supply chain requires all parties involved to share standardised information relating to products. The identification and communication standards that constitute the GS1 System, and the principles on which they are designed, make them ideally suited for the purpose of traceability.

### Production process

Integrating process controllers, barcode reading, product labellers and vision equipment directly into the real-time network can help to automate inspection tasks which, currently, are carried out by human operators.

### Total cost of ownership

Food and beverage producers are under constant pressure to reduce costs however this reduction in cost cannot be at the expense of product quality. Automation of production, labelling, data capture and traceability systems are proven to reduce errors, reduce product recalls, reduce wastage and increase productivity. This when compared to the existing, perhaps manual processes and procedures should be factored in when evaluating the Total Cost of Ownership (TCO) of any system under consideration. Automation systems are key to a TCO approach, as a successfully implemented system will add to reliability and product traceability.

### Weber Packaging Solutions

Weber Packaging Solutions provide holistic solutions to all industries including labels, media, label applicators, print & apply systems, inkjet coders, data capture and vision systems, with all equipment fully supported and serviced by Weber.

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**sales@weber.co.uk**  
**www.weber.co.uk**

## Packaging solution specialists

Over 10 years of refined experience in the build, installation and maintenance of contemporary filling and packaging machines is what has led JJA Pack to become reputable name in a number of industry sectors.

The Barnsley based business was initially set up to facilitate the growing demands of leading dairies by providing efficient support services and dependable machinery. Significant progression then enabled JJA Pack to turn its hand to other specialities, supplying a vast range of equipment for a whole host of applications.

"From such humble beginnings, we have managed to continually develop and achieve worldwide respect," commented Jamie Ashpole, Founder and Director of JJA Pack. "We can produce equipment which can deposit pretty much any flow-able product, and we can also manufacture machinery per customers' requests which incorporate bespoke designs for individual applications."

JJA Pack's extended capabilities include the refurbishment of mechanical or electrical systems on a wide range of filling apparatus and the delivery of PLC upgrades, hardware upgrades and software modifications. One of its main areas of expertise relates to the food and beverage sectors – it even has the proficiency to supply and service a selection of chocolate equipment. It also has a wealth of knowledge in cup filling and bottle filling machinery manufactured by

companies such as Duckworth, Colunio, Trustpak, BWI Fords and Volumet (to name just a few).

An unparalleled status has resulted in the company operating extensively on an international basis. Its esteemed customer base comprises many huge OEMS, including confectionary giants Cadbury and Sollich, and its premium quality products and services are highly regarded by many leading producers and brand-owners who have installed these machines in multiple quantities worldwide.

"By focusing on providing the best (and most reliable) possible service to our customers," Jamie concluded, "we understand that the growth will come with that. The aim is to continue progressing and increasing our customer base whilst working on developing our own equipment range where we can."

"Our biggest selling point is that we take the time to listen to all of our customers, and we only take on jobs which we know we can manage capably and can complete to the set timescale. The company philosophy and the success of how we operate is based simply upon the promise to do what we say, when we say."

**For more information on JJA Packs exceptional products and services, contact the company on: +44 (0)1226 710033 or visit the website at: www.jjapack.co.uk**



## Specialists in packaging solutions

Here at JJA PACK, we build, install and maintain state of the art filling and packaging machines

JJA PACK is a company with a worldwide reputation for service and support of cup filling and bottle filling machines for the food and beverage industry. The company was founded by Jamie Ashpole who rapidly developed a strong reputation for innovative solutions, engineering excellence and customer service.

JJA PACK are renowned filling machinery specialists with over 10 years experience. The company was originally formed to satisfy the growing demands of several leading dairies, to provide quality machinery and support services from an independent British company as a true alternative to existing international corporations. From these humble beginnings, the company has achieved worldwide respect and continues to develop and supply a comprehensive range of new and quality refurbished cup filling machinery to suit a wide variety of applications.

JJA PACK are highly experienced in filling machinery manufactured by companies such as Duckworth, Colunio, Trustpak, BWI Fords and Volumet, to name just a few. The company product range is further enhanced with a choice of specialist packaging equipment, designed and manufactured by our partner companies and fully supported within the UK and Ireland.

JJA PACK has an active product development program designed to ensure that the company remains at the forefront of equipment and process developments and is proud of its reputation as a customer-focused business, with the highest levels of customer service.



For further information, please contact: **+44 (0)1226 710033** or visit: **www.jjapack.co.uk**

## Quality Expert Solutions



Phoenix Handling Solutions Limited are based in Burnley, Lancashire, we are the sole UK agents of end of line packaging machinery for several well known World Wide suppliers of packaging machinery.

The company was formed in 2010 as a result of encouragement from our 'Principle Suppliers' to establish a (UK) office specifically to represent their products, for new machinery sales, services and spare parts etc.

The business has more than 50 years combined experience in material handling system's and thus we provide a wealth of knowledge to be gained by our customers.

### Our area's of activity are as follows:

- Pick and place robotics for palletising or tray packing
- Robotic palletisers – fixed and moving on a track
- Gantry type palletisers
- Layer palletisers – high and low level infeed for cases or bags
- Pallet stretch hood and shrink systems
- Pallet stretch wrappers – semi and fully automatic
- Rotary turntable, rotary arm and rotating ring types
- Integrated product and pallet handling conveyor systems
- Case packing either standard American or wraparound type
- Collation shrink/tray packing machines
- Project Management
- Spares and service to UK customers
- Maintenance contracts.

Please contact us on: **0845 265 7570**

Email: [info@phs-uk.com](mailto:info@phs-uk.com) • Visit: [www.phs-uk.com](http://www.phs-uk.com)



## Versamove – Pallet Transfer Systems

mk Technology Group has developed the new Versamove pallet system.

"We are continuing to see a trend toward individualized production with the theoretical goal of batch sizes of 1," says Darren Whiteside of mk Profile Systems (The UK division of the mk Technology Group).

### Modular

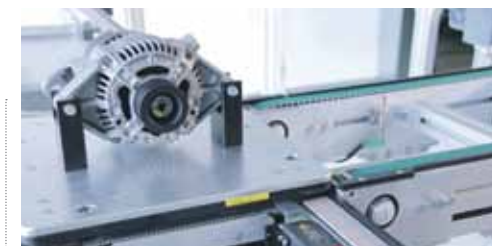
The modular design of Versamove ensures fast, transparent planning and project development. Versamove can be flexibly expanded and adapted to your specific requirements.

### Compatible

When developing the system, particular attention was paid to compatibility to systems already available on the market. And that means, for example, pallets of other manufacturers can also be used on the Versamove standard. This enables existing systems to be easily expanded with Versamove.

### Versatile

'Versa' stands for Versatility. Versamove can be used in virtually all areas of automation and material flow. Whether it's individual modules or turnkey solutions.



Versamove is available in three versions: The Versamove standard version is designed for up to 40 kg per pallet; with Versamove plus, sizes up to 1,040 x 800mm and 100kg can be realized. The Versamove ultra version is capable of transporting pallets with dimensions of up to 1,200 x 1,200mm and 300kg per pallet. With this line-up, the system can be used for a broad range of applications.

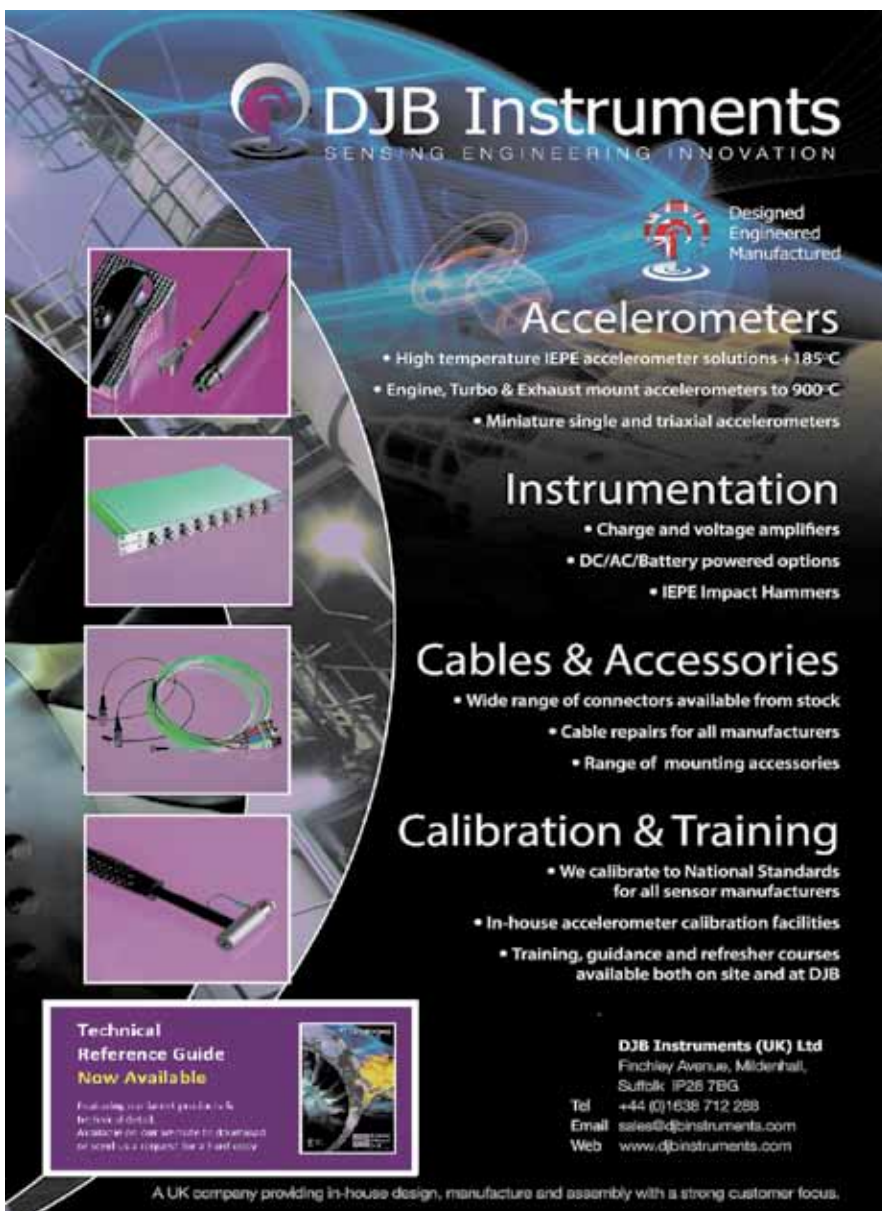
For excellent flexibility, mk offers three different double-lane conveyors as transfer lines. The timing belt conveyor is well suited for fast cycle operation, high accuracy and superbly smooth running. The accumulating roller conveyor is ideal for accumulating transport or high-load applications, including applications in dirty environments.

For excellent flexibility, mk offers three different double-lane conveyors as transfer lines. The timing belt conveyor is well suited for fast cycle operation, high accuracy and superbly smooth running. The accumulating roller conveyor is ideal for accumulating transport or high-load applications, including applications in dirty environments. A brand-new third option developed by mk is a double-lane conveyor with a side-flexing flat top chain. This conveyor is also ideally suited for accumulating operation. But what's special about the system is that it can be used for low-cost curved frames, allowing mk to respond to space requirements in industrial production with even greater flexibility.




To find out more about mk's Versamove pallet transfer system please visit: [www.mkprofiles.co.uk](http://www.mkprofiles.co.uk), call: +44 (0)1949 823751 or email: [info@mkprofiles.co.uk](mailto:info@mkprofiles.co.uk).

## Instrumentation News




### DJB Instruments

SENSING ENGINEERING INNOVATION




**Accelerometers**

- High temperature IEPE accelerometer solutions +185°C
- Engine, Turbo & Exhaust mount accelerometers to 900°C
- Miniature single and triaxial accelerometers




**Instrumentation**

- Charge and voltage amplifiers
- DC/AC/Battery powered options
- IEPE Impact Hammers



**Cables & Accessories**

- Wide range of connectors available from stock
- Cable repairs for all manufacturers
- Range of mounting accessories



**Calibration & Training**

- We calibrate to National Standards for all sensor manufacturers
- In-house accelerometer calibration facilities
- Training, guidance and refresher courses available both on site and at DJB

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Featuring our latest products & technical details. Available on our website to download or send us a request for a hard copy.

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A UK company providing in-house design, manufacture and assembly with a strong customer focus.

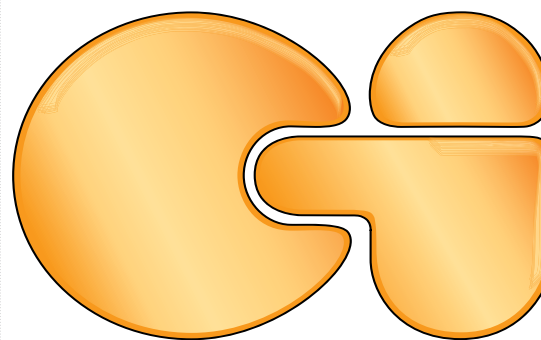
## Clarke Instruments Ltd

Clarke Instruments Ltd for security and the control of access: We have been in business since 1969. We are UK manufacturers of turnstiles, vehicle barriers, gate automation equipment, electric strikes, solenoid bolts and gate locks. We offer repair, maintenance and refurbishment services. We work with a number of UK installers of security products and access control systems and are therefore able to offer a comprehensive installation and maintenance service. Our aim is to provide our customers with innovative, practical solutions to the control of physical access without compromising on quality, reliability or durability. We offer custom design and build services, where a standard solution is not possible, adding value to access control and security.

All our products offer a measure of security and have a good track record: Standard equipment is held in stock ready for rapid deployment.

Our premium quality products are all based on the original design concepts of the company founder, Dr Walter Clarke, and are proven to last. They are built by craftsmen at our factory in Salisbury to the highest quality standards (ISO9001).

**Our business: Protecting your assets!**  
**T 01722 323451**  
[sales@clarke-inst.com](mailto:sales@clarke-inst.com)  
[www.clarke-inst.com](http://www.clarke-inst.com)



**Clarke Instruments Ltd**



## Electronic News

# Specialist enclosures for electronics manufacturing

**K**G A Enclosures provide off the shelf and customised extruded aluminium enclosures for the electronics industry. Available in various lengths and profiles, the cases and end plates can be customised with holes, slots and graphics. All enclosures are supplied with two End Plates and Assembly Screws. The standard accessory range also includes dovetail mounting flanges, TPE End Caps and Sealing Kits to IP65.

Made from Aluminium 6063 T6 (HE9), the cases standard lengths include 40mm, 80mm, 120mm, 160mm and 220mm and come in black, blue or silver.

With over 10 years of experience in the enclosures business, KGA was set up in December 2014 by Director Ken Stares to create quality products for electronic instrument manufacturers.

"What sets us apart from our competitors is our ability to customise quality products at extremely competitive prices," commented Ken. "All products are of superior quality and we can provide support and backup. We are currently looking to extend the product range

and continue to provide an outstanding service to each and every customer."

**For more information on KGA Enclosures and their exceptional products and services, contact the company on: +44 (0)1535 636856, email: sales@kgaenclosures.com or visit the website at: www.kgaenclosures.com**



# KGA Enclosures

- ENCLOSURES
- END PLATES
- ACCESSORIES



KGA Enclosures provides a range of off-the-shelf colour anodised extruded aluminium enclosures, in various lengths and profiles. Our cases are used in electronic applications both for prototyping and production. We can customise the cases and end plates with holes, slots and graphics.

KGA is UK based and we hold a large stock of enclosures, end plates and accessories including dovetail mounting flanges and TPE end caps.

**T 01535 636856 | sales@kgaenclosures.com**  
**www.kgaenclosures.com**

## Valves News

# Over 100 Years of Industry Experience



**T**here are multiple reasons as to why All Valves Online has been recognised as a reputable business standing out in its specific industry sector. First and foremost, the West Midlands based specialist is renowned for its status as one of the fastest growing valve and actuator distributors boasting the best quality offering of its kind at the most competitive price.

The full range includes actuated valve packages, manual valves, pipe fittings and pumps, stocking a number of leading brands such as Sun Yeh (electric actuators), Adler (ball valves), Genebre (industrial valves) and Hidrotan (PVC ball & butterfly valves) as a key UK agent.

The selection of specialist products includes GE ball valves, GE butterfly valves, AVOL components, Mars M77 ball valves, EBRO butterfly valves, Stafsjo knife gate valves, FIP plastic valves, SMC pneumatics, process pumps and pipe & flanges. With such an all-encompassing array of equipment, you will be sure to find the correct accessory for the job in hand at All Valves Online.

The company, which is based in Pershore, Worcestershire, operates with an extensive supplier base and distribution network which ensures the swift delivery of items for complete customer convenience and satisfaction. The next day countrywide delivery service even extends to the purchase of large quantity orders for those interested in buying in bulk.

All Valves Online has come a long way since its establishment; over a century of industry experience has enabled the group to refine its services and strengthen its product line whilst building a loyal customer base.

The dedicated experts have worked with a vast range of organisations across various verticals. Some significant examples include biogas & AD plants, waste to energy plants, refrigeration (including valves for Ammonia), water filtration/treatment & reverse osmosis systems, waste water works, general process control applications, laboratory/testing sites, marine & offshore, building & services and chemical & pharmaceutical.

As the firm continues to expand its team are responding to the increased customer demand by exploring the feasibility of acquiring further facilities.

If you would like any more information then please get in touch with All Valves Online today. Alternatively you can visit the website at [www.allvalves.co.uk](http://www.allvalves.co.uk) to browse the full inventory, view the gallery and get suitably updated with all of the latest events and trends via the news page and blog.

**Contact**  
**T 01386 553190**  
**sales@allvalves.co.uk**  
**www.allvalves.co.uk**



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Offering a range of products including; ball, gate, globe, check, butterfly and including brass, plastics, cast iron, stainless steel, carbon steel and in a range of end connections including BSP, NPT, ANSI 150 and PN16. We also offer a range of stainless steel fittings, ATEX approved fire safe & anti-static valves, high pressure valves and actuated valves.



Our Partners:



## Bifold Announce the Launch of Its Newest Initiative - The Bifold Store™



[store.bifold.co.uk](http://store.bifold.co.uk)

Bifold Store is one of Bifold Group's newest initiatives, incorporating their preferred range products with the emerging online market and the global acceleration of e-commerce. The preferred range includes a variety of the valves which Bifold Group provides with 48hr despatch. The range includes:

- Ball and Needle Valves
- Check and Exhaust Valves
- Flow and Volume Valves
- Pilot and Mechanical Valves
- Solenoid Valves
- Medium Pressure Valves

The Bifold store includes product images and descriptions along with their operational schematics in order to make product identification much quicker.

Accessibility is extended further via the various devices that the Bifold Store website has been made available to. Customers can access the website through a multitude of devices, including tablets, phones and computers.

There are over 500 products available in the Bifold Store's growing catalogue, featuring a comprehensive selection of products from across the entire Bifold range.

All of the products on the Bifold Store are despatched within 48 hours from the point of order, incorporating Bifold's new '48 Hour Despatch' initiative.



**Bifold Fluidpower Ltd, Bifold Group,**  
Broadgate, Oldham Broadway Business Park, Chadderton,  
Greater Manchester, OL9 9XA, UK.  
Tel: +44 (0) 161 345 4777 Fax: +44 (0) 161 345 4780 Email: [marketing@bifold.co.uk](mailto:marketing@bifold.co.uk)

**[bifold.co.uk](http://bifold.co.uk)**

## Lee Sanitation: A lifetime in the 'Business'



**Y**ou could be forgiven for thinking that Lee Sanitation are the new kids on the block when it comes to providing sanitation for the portable industry. The truth is the Company has a long history in supplying solutions for mobile welfare.

The story started over 40 years ago when the then British Waterways Board, the custodians of the inland waterways of the UK, made it a requirement for all hire boats on their navigations to have a closed toilet system installed rather than the time honoured tradition of pumping the waste overboard and into the canals and rivers. The hire boat industry and the boat owners needed solutions and so from this point LeeSan was born.

Having spent the early years providing the toilets, tanks, pumps and all the system ancillaries for the boats it became obvious to the hire boat companies that there would be a requirement for some efficient, well-engineered solutions for the effective removal of the waste from the boats. Hire boats had been using various methods of discharging boats with very little success costing both time and money. LeeSan took up the challenge and can now offer solutions to marinas that provide a service for all types of vessels from small sailing boats to the biggest of Superyachts.

With pumping stations all across Europe, The Middle East, Scandinavia and Africa to name just a few, LeeSan is able to offer

marina owners and operators solutions to their problems on their sites. These issues on marinas are generally where a welfare facility is required and usually at the remotest location within the marina. LeeSan has come up with solutions that have allowed the transfer of waste around the site from floating abluion blocks, residential boats and also partnered boat builders in the provision of abluions blocks that from all angles look just like a boat.

It is a fact that welfare facilities are required almost everywhere due to legislation and past practices are frowned upon by all, unhygienic and on occasions dangerous when it comes to answering the call of nature. This is why you will today find a Lee Sanitation toilet system in some of the strangest places including the back of a vans, lighthouses, observation towers and even underneath one of the UK's most famous bridges.

The requirements for toilet/welfare facilities on most sites where people are employed on a temporary basis has led to a whole new world for LeeSan and a drive to make economical and environmentally acceptable systems. This has allowed the evolution of Lee Sanitation to continue with an emphasis on providing robust, aesthetically acceptable systems with low water and energy consumption and which are also easy to use. LeeSan will, with the help of our partners, continue to provide answers and still develop more and more systems that will improve the lives of all those involved.

LeeSan has the know-how to design, build and specify all manner of solutions and will with the huge stock holdings, provide a timely delivery of the equipment and spares demanded.

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**www.leesan.com**



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## Your partner in medical and cleanroom consumables



industry, Helapet designs and manufactures advanced products to the ideals of enhancing contamination control measures in sterile environment operations and cleanroom practice. They offer a complete consumable solution for upmost safety of cleanroom operators with its comprehensive mix of sterile cleaning products, high quality apparel, reconstitution and transfer systems and spill control products.

**H**elapet Limited, a market leading supplier of medical and cleanroom consumable products is launching a new sterile sporicidal spray for use in critically controlled environments. Christened SteriSpor™, the new sterile sporicidal spray is a fast acting, hypochlorous acid (HOCl) preparation developed to minimise the risk of contamination during aseptic transfer of cleanroom materials.

Due to be available to customers this August, SteriSpor™ exceeds the latest UK efficacy guidelines of >2 log kill of viable spores in less than 2 minutes, providing assured safe handling for technicians as well as very low corrosion risk to cleanroom equipment. With a contact time of less than 1 minute in accordance with EN13704, SteriSpor™ leaves minimal residue reducing removal time.

A closed bag-in-bottle system maintains in-use sterility by preventing the ingress of contaminated air. SteriSpor™ sprays are produced in an ergonomically designed bottle with long length trigger to reduce the risk of strain injury. Each spray is fully cleanroom processed and available with all necessary certification and technical data.

With over 30 years' experience in the cleanroom

Helapet supplies on behalf of several quality brands and suppliers to ensure optimal product quality supported with full validation and technical support. The company are also ISO 13485 accredited, utilising its 10,000 rated in-house cleanrooms in the production of standard products as well as contract packaging and liquid filling projects.

"Helapet has always prided itself on how we develop and maintain our customer relationships." commented Marketing Manager Chris Steng. "We are extremely customer focussed and take feedback very seriously. We constantly work with clients to establish the most effective solution to suit their requirements and our latest SteriSpor™ launch is a clear response to the needs in our industry.

"Our updated 2016 Product Catalogue will be available to customers in August and our user friendly website is fully up to date with latest products and company developments. If you operate a cleanroom of any kind, come and take a look at our website or give us a call to find out more."

**T 01582 501989**  
**sales@helapet.co.uk**  
**www.helapet.co.uk**



**Helapet**  
 Your partner in medical and cleanroom consumables

Helapet are dedicated to supplying sterile and non-sterile consumable products used in the aseptic production of medicines and pharmaceuticals.

Our quality service provision is supported by free sampling and our experienced account management team, committed to providing the best level of one-to-one customer care, advice and support.

Learn more about us by requesting your 2016 Product Catalogue, or download direct from our website:



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 T: +44 (0) 1582 501980

A ClinMed® Group Company



# BUILDING UPDATE

ISSUE: 603 August | [www.solutionspublishing.co.uk](http://www.solutionspublishing.co.uk)

## Providing Traffic Management Solutions across the UK

With vast experience working within the traffic industry, there is only one company you can turn to when it comes to the arrangement and implementation of road traffic management surveys and schemes.

NTS has both the knowledge and the resources to readily provide the most suitable solutions for customers across the width and breadth of the UK, meeting individual requirements with great ease and efficiency. Operating 24 hours a day, seven days a week throughout the course of the year ensures that the company's vast array of products and services can be accessed on demand and around-the-clock.

Founded by husband and wife team Richard and Grace Goodall, the traffic management provider focuses on the provision of concentrated consultancy services, CAD plans, high speed services and street works; formulating stringently developed plans that are tailored specifically to suit separate locations and applications.

The organisation's main activity revolves around design and business consultancy,



services which are wholly supported by the completion of fundamental site surveys (for clearer overviews) and deliberations with the necessary institutions and national bodies. Safer and more effective traffic management facilities and systems can be rolled out once in-house design teams have carefully considered all aspects with project synopses and the involvement of local authorities, emergency service providers and transport providers.

**Contact**  
**T +44 (0)1652 640996**  
**info@ntsltd.co.uk**  
**www.nationwidetrafficsolutions.co.uk**



NTS provide solutions to all of your traffic management issues with a round the clock availability and provide a wide range of products and services to benefit you when it's needed the most.

We offer a full traffic management consultancy process. This includes conducting site surveys, licensing and permitting, liaison with all authorizing bodies, including local councils, emergency services etc. The traffic management plans produced by us are suitable and effective, bringing total peace of mind when it comes to installing the advised™.

- Road closure & diversions
- Multi-phase traffic light systems
- Lane Closures
- Stop and Go systems
- Traffic marshals
- Contraflow Systems
- Temporary Pedestrian Systems
- High Speed traffic management
- Event Management
- Barrier Solutions
- Convoy Scheme
- Traffic Management Plans
- Variable Message Signs (VMS)
- Advance warnings inc special signage and letter drops
- Vehicle counts and census points

Call us on: **01652 640 996** | Email us on: **info@ntsltd.co.uk**  
**www.nationwidetrafficsolutions.co.uk**  
 Find us on Search **NTSLTDUK**

## Secret, secure, configurable panel fixings

Building Update is extremely proud to present Button-fix Ltd with its highly prestigious and richly deserved **Commitment to Excellence** profile.

Launched in 2012, Button-fix specialises in the design, manufacture and distribution of a unique panel fixing range that was specifically designed for shop fitters to increase their efficiency and accuracy. Acting as a perfect fastener for interior fit-outs, renovations and furniture projects, the highly versatile and efficient product is renowned for its invisibility and strength.

Acknowledged for their quality build and unmatched accuracy, the configurable fixings have been actively used by designers, builders, architects, furniture designers, plumbers, ship interiors specialists, lighting installers, washroom manufacturers, fitters and joiners and are suitable for applications such as exhibitions, display stands and internal signage.

The range consists of four different varieties: Type 1 Fix (for connecting parallel panels), Type 1 Bonded Fix (for applications where screw fixing is not an option), Type 1 Flush Fix (for panel-to-panel contact) and Type 2 Fix (for connecting 90° panels). Type 1 Fix and Type 1 Bonded Fix can be surface-mounted or rebated into the panel. All versions lock into place with a satisfying 'click.'

Complementary accessories are provided in the form of Button and Fix marker tools, self-adhesive fix-pads for the Bonded version, safety cords for Type 2 and the



recently released Router Multijig. These accessories have been carefully designed to improve the accuracy and speed of the fit-out with the overall goal of making the fitter smile.

The business was founded by Tony Wills and Brian Watson from Wills Watson Associates with their investor partner Iain MacDonald of Granfit Holdings. Over the years Button-fix has proven a major hit around the globe and in order to cope with the growing demand the company has appointed stockists throughout the UK, Australia, Canada, New Zealand, Germany, India, China, Japan, Croatia, Cyprus, Lithuania, Holland, Saudi Arabia and the US.

For more information contact Button-fix using one of the sources below:

**T +44 (0)20 8150 7190**  
**info@button-fix.com**  
**www.button-fix.com**  
**Twitter: @buttonfixJulie**



**Compact & Bale**  
 see them on.....II



**Therra Thermo**  
 see them on.....III



**APT Fabrics**  
 see them on.....VI



**Invista**  
 see them on.....VIII-IX



**Premier Guarantee**  
 see them on.....X

**button-fix™**  
 secret, secure, configurable panel fixings  
 the ideal fastener for interior fit-outs, renovations and furniture projects

**Bonded or screw-fixed:**  
 a comprehensive range of fixings to suit your specific application

**GOOD DESIGN Award**

**To find out more...**

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- Email: [info@button-fix.com](mailto:info@button-fix.com)
- call us on +44 (0)20 8150 7190
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**GlowBeanie**  
 Based in North Wales

**THE BEANIE THAT GLOWS IN THE DARK**

The Fashion Statement That Really Gets You Seen!

Based in North Wales at the gateway to the Snowdonia National Park, GlowBeanie was established in 2014. We produce a variety of handmade accessories in different styles including the Moss, the Cable, the Stripe, the Cable Trim, the PomPom, the Slouchy and the Shorty.

Recently added to our range are the headbands, the neck gaiters and scarves, in both luxurious wrap around or skinny, and wrist warmers in the same styles.

- The GlowBeanie One, Moss and Cable are made of one colour
- The Stripe can have stripes of up to 2 colours
- The Cable Trim has a main colour with a contrasting colour trim
- All of these can have a pom pom added to make a GlowBeanie PomPom
- The Shorty is a shorter version of these, being approximately 16cm instead of 19cm depth
- The Slouchy has added inches for extra trendiness.

Visit our website store and enter code **School 10** for 10% off your first order  
**www.glowbeanie.co.uk**

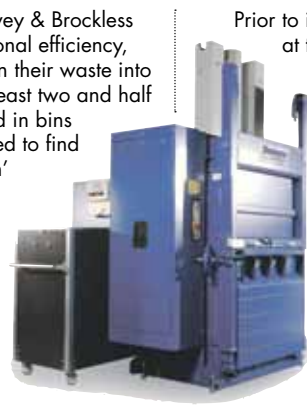
**CRAFTER of the YEAR 2016**

# 'The AutoLoadBaler works fantastically well in our business: it's a great concept!' Harvey & Brockless



Leading luxury food supplier Harvey & Brockless were looking to improve operational efficiency, reduce waste disposal costs and turn their waste into moey. 'Our staff were spending at least two and half hours a day taking waste cardboard in bins to the compactor outside. We needed to find a better solution to our waste system' says Warren Kruger, their Business Improvement Manager.

After meeting Compact & Bale at an exhibition Warren wanted to re-evaluate their waste management process so that the staff could spend more time on their core business and less time on waste handling.



Prior to installation of the AutoLoadBaler, staff at the food manufacturer were filling a 35 yard portable compactor full of cardboard and general waste, going to landfill every week. Their operatives were making 15 ten minute journeys a day taking bins outside to the compactor.

After a waste review, Compact and Bale concluded that if Strautmann's unique AutoLoadBaler was located within the factory, they could bale cardboard quickly and efficiently, reduce labour costs, generate income and divert resourceful material away from landfill.

The unique fully automated design allows operators to prioritise their work day in a more productive manner, allowing them to concentrate on their core business.

The machine has been such a success that Harvey & Brockless are looking to replace their other standard vertical baler with a second AutoLoadBaler. Warren says, "The staff now have time to do other cleaning jobs rather than spending all their time walking to and from a compactor to fill it. The AutoLoadBaler works fantastically well in our business: it's a great concept."

**T +44 (0)1732 852244**  
**www.compact-and-bale.com**

## Lean modular tube and bracket solutions

The Tube & Bracket Company was founded in 2002 as the UK arm of Trilogiq and has since evolved to become one of the most important brands in the storage industry. Its cost-effective range of lean tubular systems has proven to be extensively popular across different applications, namely within the commercial, industrial and domestic sectors (the automotive, aerospace, electronic, distribution, food, medical, events and postal markets included).

These versatile and widespread structures have been employed to optimise space, reduce waste, enhance ergonomics and implement Kaizen continuous process improvement for carts/trolleys, workstations, live storage, parts protection, sortation/picking, visual management, shelving units, notice boards (to name a few examples). What makes these products useful is the fact that they are completely reusable: they can be taken apart and then



rebuilt to operate in different areas with remarkable ease and adaptability, which in turn ensures they provide good capital investment. In addition, the tube and brackets are also customisable; as they are made to measure, clients can rest assured that they will receive the most suitable solution for their application. The end result, inevitably, is a better and more resourceful working environment, which is an outcome less likely to be achieved with standardised, off-the-shelf alternatives.

Trilogiq has recently introduced its latest product to market: the ground-breaking Graphit system. This composite innovation was created to seamlessly slot into medical and food handling settings and is therefore aimed at the lean manufacturing and materials handling markets. This particular addition is available in a variety of colours to provide customers with a greater choice, and for further flexibility the brackets can be adjusted as

appropriate to match individual brand identities. The Tube & Bracket Company has received a great deal of interest since its establishment, and this success is likely to continue long into the future, what with the increased demand for these lean modular solutions. Performing consistently well over the years has meant that relocating to a larger premises has become a requirement, and so the team are looking forward to moving to a shiny new property in Middleton Cheney. The purpose-built factory in Banbury will occupy over 12,000ft<sup>2</sup> of production space and 2,000ft<sup>2</sup> of office space once the project has been completed in late 2016/early 2017, and the move will enable both new and existing customers across the UK and Europe to be serviced with great efficiency.

**T +44 (0)1295 277791**  
**sales@tubeandbracket.com**  
**www.tubeandbracket.com**

## Architectural Glass & Roofing News

# All Aspects of Architectural Glass

Demon Designs was established by owner Dominic Meakins in 2011 and has become increasingly popular ever since. Situated in Ford, near Arundel in West Sussex, the architectural & structural specialist strives to provide the most appropriate glass design solutions individually tailored to suit singular customer applications.

The refined industry experts employed at the organisation are well practiced in supplying and fitting exquisitely designed and carefully constructed staircases, balustrades, splashbacks, shop fronts, walk-on glass floors/bridges, glass ceilings, glass roofs and aluminium curtain walling. Custom-made door solutions, automatic entrances, sliding glass doors and glass canopies are also available as part of the company's comprehensive product portfolio.

The company's most recent focus has been the expansion of its acoustic door range. The flush, individually fabricated double glazed acoustic doors achieve up to 44dB (Rw) acoustic performance, incorporating excellent sound reducing qualities whilst simultaneously providing the clean glass look, a finish that is

extensively required in contemporary office buildings. With its recent relocation to larger premises, Demon Designs is now able to house a large stock of standard door sizes whilst promising the fastest turnaround in the industry.

In essence, Demon Designs acts as a one-stop-shop providing a full range of glass and metal structures and specialised services. In order to ensure customers receive the necessary support and expected reassurances following an enquiry, the group offers an inclusive sales package covering all associated areas. This inevitably involves the arrangement of thorough consultations and the formulation of accurate drawings and detailed quotations following in-depth discussions specifying project requirements and important technical information.

This great flexibility – which is further emphasised with Demon Designs' bespoke design capabilities – comes courtesy of the in-house team's unrivalled knowledge in glass product development and creation. With over 20 years of

shared experience, the competent workforce has a reputation for design excellence and has the skillset needed to produce unique components facilitating side hung or pivoting versions, self-closing or free swing.

This ability to fulfil all glass product requirements has made Demon Designs attractive to a number of esteemed clients. Its bespoke assemblies and standard off-the-shelf structures have been supplied and installed across a multitude of sites, having been widely appreciated by customers

working within a variety of construction sectors.

Previous projects of particular significance include the installation of automatic doors at the visually characteristic Walkie Talkie building on Fenchurch Street in Central London and the general fitting of kitchen splashbacks and shower screens. As well as tending to the needs of small and medium sized building contractors, general builders, domestic customers and large construction companies, the team has even provided design consultancy

services to a few of its competitors!

Please don't hesitate to contact Demon Designs today if you want any further information or if you wish to enquire about a particular product or service. Any questions you pose will be met with an informed response by a well-qualified industry professional.

**T +44 (0)1903 733206**  
**info@demon-designs.co.uk**  
**www.demon-designs.co.uk**



## UK ROOFING AWARDS 2016

### WINNERS REVEALED

The **CompetentRoofers** Registered Contractor winners are:

- KGM Roofing
- Bauder Ltd (with Hodgson Sayers)
- Bauder Ltd (with Mitie Tilley Roofing Ltd)
- Wienerberger (with Timby Traditional Roofing)
- Timby Traditional Roofing
- Karl Terry Roofing Contractors Ltd
- John Brash & Co. Ltd (with Endeavour Roofing Contractors Ltd)

You can view this year's winner's and finalists projects at [www.roofingawards.co.uk](http://www.roofingawards.co.uk)





Please visit [www.competentroofer.co.uk](http://www.competentroofer.co.uk)

# Underfloor heating installation and renewables

**Terra Therma are a multi-award winning specialist in Renewable Heating Solutions and Underfloor Heating. They provide energy efficient heating solutions for domestic, commercial and industrial projects throughout the South East.**

The company, which is based in rural North Essex,

provides a bespoke solution for modern heating and ventilating systems to ensure the optimum levels of warmth, comfort and efficiency.

The dedicated and highly professional team handle each project from concept stage right through to completion and aftercare. They are constantly training to ensure they

are qualified and experienced in every field to provide the client with the very best equipment and cutting edge technology. By combining a wealth of practical knowledge along with tried and tested solutions and products, they are able to offer a solution for virtually any type of project or building. Every project receives a comprehensive design taking into consideration every facet to ensure the

optimum system choice for each project. The design engineers look at every factor of the project – from initial cost, practicality of the system through to running costs and any potential grants available to the client. The professional service does not stop there – Terra Therma also offer maintenance and aftercare service to ensure your systems stand the test of time.

"Homeowners, architects, construction companies and commercial and industrial enterprises have come to rely and trust Terra Therma to take care of their renewable heating needs," commented Sean Casey, Managing Director and Founder of Terra Therma. "No other company can provide you with such comprehensive turnkey service from design, installation and maintenance services – all founded on a genuine depth of knowledge that keeps pace with an ever changing industry.

"We take pride in the excellent standard of service we offer and our team have all the training and



knowledge to help you with any questions that you have.

"As part of our aftercare service our specialist service team will keep your world warm when you need it. With our engineers just a phone call away, we can keep your heating system in excellent order to ensure it serves you for years to come."

Terra Therma has won many awards for their exceptional services. These include Grand Designs House of the Year & runner up, Second place for small renewable project of 2016 for East Anglia, Highly commended for RHI Installer of the Year for East Anglia and their technical Director was awarded Bronze for Energy Efficiency Champion again for East Anglia.

To find out more arrange a visit to the Terra Therma Renewable demonstrator house in rural Essex and witness for yourself the fantastic range of money saving and energy-saving options available to you as well as experiencing the exceptional technical support in person.

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\*The free gift is at the discretion of Terra Therma and may vary from a free thermostat upgrade for small installations, through to free wifi controller or free first annual service on larger complete systems.

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## Insulation News

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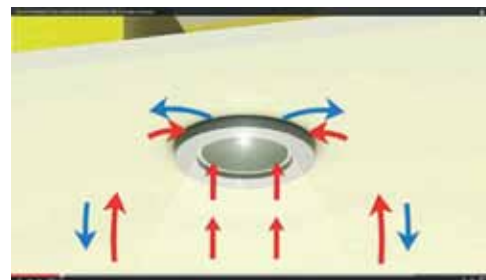
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## Energy & money savings



**T**hermahood Ltd is a modern, forward-thinking enterprise that was set up in 2013 by founder Vincent Boden, who currently holds the position as Company Director.

Despite being in the trade for just three years, the innovative business has become a remarkably popular industry specialist and has managed to acquire itself a richly diverse customer base.

A particularly notable product available from Thermahood is its Downlight Covers, which have been an instant success with their many operational advantages. Stringently designed to reduce heat loss and draughts whilst improving air quality and air tightness.

Developed to fit over downlights (located in attics and placed on ceilings) to eliminate the associated problems within these areas, this first-rate product effectively reduces noise, dust, insect infiltration and the risk of condensation as a comprehensive and convenient solution providing drastically noticeable results. In addition, this useful system helps to meet Building Regulation 2.3 (C2 – Condensation, L1 – Fuel Conservation and E1 – Sound Protection), so it offers guaranteed reassurance and quality.

The full inventory from Thermahood consists of



various products that can be integrated with an exceptional level of ease and efficiency – whether being handled by an industry professional or the everyday DIY amateur. They also require no maintenance once fitted and they have the capability to work in accordance with heat recovery systems (controlled air flow).

Vincent was decisively optimistic whilst discussing the company's core activities and plans for future success, "We proudly specialise in the production and supply of sustainable construction and DIY products," he explained. "Thermahood has been specifically designed and developed for current building regulations including the need for air-tightness testing and continuous loft insulation."

If you have any questions or require any further information about this exceptional variety of energy and money saving products then simply get in touch with the group today.

**Contact**  
**T +44 (0)28 4177 4047**  
**info@thermahood.com**  
**www.thermahood.com**

# Kitchen and Bathroom specialists

From kitchen supplies to bathroom makeovers and small fittings, Roman's Haus provide an exceptional service at affordable prices. Satisfying the needs of developers, builders, home owners and many more, the specialist supplier works to any budget or requirement to make your dream home a reality.

The family run company was set up by brothers Preet and Raman Chind after discovering the lack of quality yet affordable choice on the market for average buyers. Wasting no time, the pair transformed an old, abandoned factory into a 5,000 sq. ft. showroom which now houses some of the best products available.

"We wanted to set up a company which allowed people to create their dream kitchen and bathroom at an affordable price," commented Preet. "While searching for the best products for our target market, we have handpicked from most reputable names in the industry to offer customers a spectacular choice.

"We've taken special consideration over

the price and quality of every one of our products, which we'll never compromise upon so that you, the customer, will always get the very best."

The range includes the luxurious Bauformat and Burger collections. A true German design, the renowned suppliers focus on solid-built carcass and ready-assembled kitchens that come straight to you and ready for immediate installation Their trademark



fittings feature handleless linear kitchen designs that are suitable for every budget – from the luxury to the affordable.

Roman's Haus is also the exclusive London flagship store for the Italian collection Enne, along with stores in Paris, Milan and New York. What sets Enne above the rest is its luxury, beautiful and hand-crafted curved kitchens, each with a choice of handled or handleless doors which are made from real wood veneer.

For a complete bathroom makeover, choose from one of the specialist brands including Bauhaus, Bette Baths, Simpson's, Crosswater,

GSI Italian design and Hansgrohe. With each collection oozing style and elegance, you'll be sure to find the right design and products to suit your requirements. The company can also provide a plumbing and fitting service so there is no need to go elsewhere.

"Look to us for the beautiful and luxury appliances, worktops and tiles which can make your dream house a reality," Preet concluded. "Our fair prices cater to all budgets from £100 to £1,000 and our turnaround time of designs is faster than most on the market. We can also offer an in-house team of designers and experts to care for and advise you on anything you need.

"Our aim is to establish ourselves as a reputable kitchen and bathroom company and grow our presence in order to expand. We are currently in talks about opening a showroom in New York and are looking at potential areas in India.

"At Roman's Haus, we don't just sell fitted



rooms – we provide a service. With our competitive prices and friendly, qualified installers, there's no reason not to choose Roman's Haus for all your bathroom and kitchen needs. Visit our showroom today to see the latest range and chat to one of our experts, we guarantee you won't be disappointed."

**Contact**  
T +44 (0)1895 810444  
info@romanshaus.com  
www.romanshaus.com

## Premium indoor furniture for the trade



Home Inc. provides an exquisite range of high quality, luxurious furniture to enhance the look of your home. Choose from a wide range of Coffee tables, Dining tables, Dining chairs, TV units, Side tables and Sideboards in a variety of shapes, styles, sizes. The primary ranges have a high gloss finish that can be ordered in a variety of colours.

Home Inc. was set up as a subsidiary of an existing furniture wholesaler and retailer so, whilst still establishing the brand, they have a wealth of experience across the Group. Their unique selection of assembled indoor furniture is imported from the company's partner manufacturer in the Far East who has perfected the difficult high gloss process and matches this with finest quality fixings and mechanisms.

Stock is held at the warehouse in Dukinfield, Cheshire and is available for prompt delivery. Containers of mixed stock are also available for direct delivery at significant discount.

A fully stocked showroom is located close to Junction 23 of the M60 Manchester ring road and Home Inc. welcomes anyone who wants to come along and view the range. However, you are encouraged to arrange a time beforehand as the team are frequently on the road meeting clients.

**For more information on the quality range or to book an appointment, contact Home Inc. on: 0800 772 0807 or visit the website at: www.homeinc.co.uk**



## CONSTELLATION

Designed By Heckmondwike

HECKMONDWIKE FB, WELLINGTON MILLS, LIVERSEGE, WEST YORKSHIRE, WF15 7FH  
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SAMPLES DIRECT: 01924 413637

## Arco lightens the load with Sensear industrial headset

**The UK's leading safety expert, Arco, has expanded its range of innovative hearing protection equipment with the launch of the groundbreaking Sensear SM1R industrial headset.**

Matt Green, Technical Sales Specialist – Hearing Protection for Arco, said, "Arco is proud to be the UK's exclusive safety distributor of the new Sensear SM1R headset. By cleverly removing the battery and powering the headset from connection to specific two-way radios, the new headset is significantly lighter and more comfortable to wear. Additionally, the battery-free advancement also eliminates the need for extra



charging which could potentially save workers valuable time and energy costs."

The SM1R headset enhances users' communication capabilities by simultaneously isolating and enhancing speech, while suppressing potentially harmful

background noise. This improvement has been achieved by pairing Sensear's patented SENS® technology with a noise-cancelling boom mic.

Matt added, "The Sensear SM1R is a high-noise communication solution that enables users to protect their hearing, while still being able to communicate effectively. Whether that is via face-to-face interaction or through two-way radios, users can still maintain 360 degree audible awareness of their surroundings."

**Available exclusively through Arco, please contact: [matthew.green@arco.co.uk](mailto:matthew.green@arco.co.uk) for more information.**

## GlowBeanie – Bringing the fun back into workwear



**W**hen it comes to the building and construction industry, worker safety and comfort is of the utmost importance, but this isn't to mean uniforms should remain dark, drab and depressing.

This is why those operating within the sector should consider purchasing a GlowBeanie, an innovative

new fashion that incorporates a visually effective luminous material. The effortlessly stylish and undeniably comfortable glow in the dark beanies act as an excellent accessory to cover or go underneath hard hats (if the workplace permits), adding a splash of colour and style to protective headwear.

The company, which was set up by founder Jane Beachell in 2014, specialises in the supply of custom-made beanies, headbands, wrist warmers, neck gaiters and scarves in a vast array of shades and patterns. The different varieties of hats are hand-crafted in line with individual customer requests using super chunky wool with a reflective thread running through it to achieve its unique glow in the dark effect.

**T +44 (0)7818 684338  
[jane@glowbeanie.co.uk](mailto:jane@glowbeanie.co.uk)  
[www.glowbeanie.co.uk](http://www.glowbeanie.co.uk)**

## Heating, Ventilation & Air-Conditioning News

### Air the Way You Want



in-depth knowledge of textile-based ventilation, are well placed to provide clients with the necessary guidance, assisting individuals in choosing the best systems for their applications. Ably discussing all project specifications means that customers can rest assured that they will receive the correct installation advice and technical support.

Standing out at the nation's only exhibition dedicated to the refrigeration, air conditioning, ventilation, heating and heat pump sectors was a great achievement for the group, who managed to successfully promote the key advantages of utilising textile-based ventilation products. Creating a perfect indoor climate, these flexible and customisable solutions – which are available in various colours and materials – enable efficient air distribution whilst remaining sustainable, hygienic and easily maintainable.

Visitors at the ACR Show took the dedicated trade show as an opportunity to learn more about textile ducting and its energy and moving saving benefits. The buyers, engineers, contractors, consultants, installers, technicians and end users were particularly impressed by the quality of the fire rated materials and the transferability of the systems.

For more information please go online or call KE Fibertec UK today.

**T +44 (0)2380 740751  
[info@ke-fibertec.co.uk](mailto:info@ke-fibertec.co.uk)  
[www.ke-fibertec.com/uk](http://www.ke-fibertec.com/uk)**

**W**hen KE Fibertec UK Ltd took to a stand at the NEC in Birmingham to exhibit at the ACR Show 2016, the team was met with a resoundingly good response. The event, which was held from 16-18 February, proved to be a particularly successful showcase for the textile-based ventilation expert, who specialises in the supply of high calibre airsocks and fabric ducts.

The Southampton-based business is a wholly owned subsidiary of its parent company, the Danish KE Fibertec AS. The highly qualified engineers employed at the UK base are pleased to offer a full range of services; designing and fulfilling all KE Fibertec products whilst supplying supplementary components from Euroair AS. Core capabilities include project assessment, site visitation, accurate design completion (using a WinVent 3D program), the arrangement of maintenance schedules and carefully carried out washing & repair procedures.

The informed professionals, with their

#### KE FIBERTEC

KE Fibertec UK Ltd is a wholly owned subsidiary of the parent Danish company, KE Fibertec AS based in Vejen, DENMARK

Based from an office on the perimeter of Southampton, KE Fibertec UK Ltd offers a full range of design and fulfillment of all KE Fibertec products, as well as the complimentary range of products available from Euroair AS. The team of professionally qualified engineers based from the Southampton office are available to discuss all aspects of customers projects, and will offer best advice to fellow professionals so that the correct ventilation system can be selected from our range of products.

Please visit [www.ke-fibertec.com/uk](http://www.ke-fibertec.com/uk) | T 02380 740751



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- Ceramic Knuckle Heaters
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- Immersion Heaters
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- Nozzle Heaters
- Ceramic Core Heaters
- Square Section Heaters
- Strip Heaters
- Roller or Disc Heaters
- Fabrication & Sheet Metalwork.



Please telephone **029 2077 8727** · Fax: **029 2079 2297**  
Email: [sales@elmatic.co.uk](mailto:sales@elmatic.co.uk) · [www.elmatic.co.uk](http://www.elmatic.co.uk)



# APT Fabrics: Internationally in demand

**A**PT Fabrics has been **Acknowledged by Building Update as a standout company and has therefore been presented with our Outdoor Clothing Excellence Award 2016.**

The specialist solutions provider, which is located in Northern Ireland, was established in 2008 by fabrics expert Stanley Russell. With over 30 years of experience in the sector, Stanley was well-equipped to set up his own business and put his knowledge of coating, weaving and other related processes to even greater use.

APT Fabrics is a concentrated supplier of high performance products actively striving to meet the needs of the all-important PPE and technical clothing markets with its wide range of materials and services. Exclusively manufactured, the internationally recognised UK made fabrics are developed in accordance with the necessary industry requirements and come in a vast array of customisable options.

The impressive portfolio of trademarked apparel comprises a flexible waterproof selection consisting of three key lines: the Tornado range; heavy-duty laminated, breathable waterproof fabrics, the Tempest range; lightweight, breathable foul weather clothing and finally, the Typhoon range, which incorporates waterproof, flame retardant and anti-static properties.

Other important lines include the exceptional Eco Dry (laminated fabrics), and the uniquely recyclable Hi-Vis collection. The newest additions can be found in the Acclimatise range in the form of functional fleeces, gilets and jackets designed specifically for the outdoor clothing industry, available courtesy of a



brand that is renowned for producing the world's first thermoregulated waterproof, breathable and windproof fabric system.

APT Fabrics has the capability to provide a number of off-the-shelf products which can be tailored as appropriate (should the customer need any additional level of protection). As well as providing customised fabric sourcing and modification services, the reputable material specialist also offers seminars, consultancy and technical textile training schemes for those in need of further support and guidance.

This flexibility and personalised approach has enabled the competent supplier to build an impressive customer base comprising many important industry professionals and decision makers. APT Fabrics is extensively utilised by a large cross-section of individuals and organisations across the globe; predominantly ambulances, utility services, military bases, police forces and other such institutions requiring specialist fabrics. The group is particularly proud



of the fact that all of the UK's police departments are facilitated by the brand, having received excellent feedback for the meticulously designed waterproof materials that have been delivered to them.

If you would like any further information about this award-winning company or if you are interested in enquiring about any of the products and services mentioned then please don't hesitate to drop the APT Fabrics team a phone call or email at your earliest convenience. The approachable staff members will be more than happy to assist you in finding the most appropriate solution for your individual requirements, so what are you waiting for? Protect your personnel today with the comfortable, consistent and cost-effective garments available from this worldwide supplier of highly sought-after workwear solutions.

**Contact**  
**T +44 (0)7854 064324**  
**info@acclimatise.co.uk**  
**www.aptfabrics.co.uk**  
**www.acclimatise.co.uk**



# Pioneers of High Quality Anti-slip Stairnosings

**B**uilding Update is delighted to present its well respected and richly acclaimed Commitment to Excellence profile to Safetytread whilst commending the company for its continued innovation, forward-thinking approach to work and exceptional contribution to the construction market.

Leading the way in anti-slip stairnosings is no easy feat, what with the responsibilities surrounding such an important and prevalent product. This is, however, what Safetytread is ably achieving with its years of experience in the relatively niche but somewhat essential industry sector of anti-slip stairnosings and insert strip manufacture.

The reputable business was set up in



2009 as a result of its acquisition by Bell Plastics, a prominent company formally part of the longstanding Trimplex brand, which has traded for over five consecutive decades. This deep-rooted association with established enterprises has assisted in Safetytread's success, enabling ongoing development which has since prompted the endorsement of its title as a highly regarded industry leader.



The specially developed and stringently tested products available are sustainably made using recycled aluminium profiles and either a 'carborundum' or PVC-Composition filler. These robust materials entitle a sturdier finish, retaining strength across multiple environments, making these particular stairnosings solid economical investments that are, in effect, more operative than their cheaper, plastic equivalents.

The differences between the prototypes are remarkably apparent. PVC treads, which are generally glued into position, are unfortunately unable to retain their staying power for extended periods of time, requiring maintenance every 12 months, whilst Safetytread's unique fittings last up to approximately 20-25 years. The only preservation regime necessary is a routine cleaning of the environmentally-friendly surface (once laid), making the tailor-made treads the best option for clients looking to make substantial time and cost savings in the long term whilst guaranteeing safety (with its incorporated anti-slip qualities).

"When it comes to the wellbeing of visitors and staff members you can never be too careful," commented Lorraine Mason, Sales & Purchasing Executive at Bell Plastics and Safetytread. "Equipping your structures with the best stairnosings mechanisms on the market should therefore be a main priority, as this will reduce the number of preventable accidents in both working and commercial environments.

"This can be easily achieved with Safetytread's essential safety components for the everyday user. Our premium range of anti-slip stairnosings, which are suitable for every application, make a statement once installed, one that determines no corners on quality are cut whilst making buildings attractive and safe."

The company, which is based in Poole in Dorset, competently caters to the needs of customers in a variety of sectors, fulfilling the anti-slip stairnosings requirements of contractors, flooring companies, joiners, restaurants, railways and airports. Manufactured in the UK, the high quality products have remained popular for their customisability; the treads, which allow both internal and external staircases to remain slip-resistant, can be designed to fit the exact dimensions of stairwells and are available in an array of attractive colours for greater consistency and style.

If you would like to find out more about Safetytread, or if you wish to discuss individual specifications or installations, then please don't hesitate to get in touch with the group of renowned industry experts today.

**T +44 (0)1202 625596**  
**safetytread@bellplastics.co.uk**  
**www.safety-tread.co.uk**



## Safetytread – Pioneers of anti-slip stair-nosings

Safetytread products are a range of bespoke, premium, high quality anti-slip stair nosings manufactured in the UK. Safetytread is environmentally friendly and provides a more economical solution than cheaper plastic materials.

The treads will add excellent slip resistance to any staircase (internal or external); can be tailor-made to fit the exact dimensions of a stair tread and are available in a wide range of colours.

With many years experience in the manufacture of anti-slip, stair nosings and insert strips, you can rest assured that we offer the finest quality products. By installing Safetytread products, you are proving to not only visiting people and staff that you care and take their safety seriously, but you are also making a statement to everyone that you will not cut corners on quality and wish to make your building an attractive and safe environment.

The Safetytread product range uses 100% recycled aluminium and 'Carborundum': Safetytread's unique infill for stair treads and nosings. The non-slip properties of a carborundum filled tread exceed all HSE requirements for slip potential in wet, dry and even greasy areas.

Our exceptionally high quality product range is designed to outlast lower quality, cheaper products by many years: Carborundum's hard wearing infill will last far longer than the rubber and PVC products of our competitors as the product quite simply does not wear down.

**For more information, please visit**  
**[www.safety-tread.co.uk](http://www.safety-tread.co.uk) or call us**  
**on 01202 625596.**



# GET CORDURA® FABRICS WORKING FOR YOU

KNOWN FOR ITS RESISTANCE TO ABRASIONS, TEARS AND SCUFFS, CORDURA® FABRIC IS A PRIMARY INGREDIENT IN MANY OF THE WORLD'S LEADING HIGH-PERFORMANCE GEAR AND APPAREL PRODUCTS RANGING FROM LUGGAGE, UPHOLSTERY AND BACKPACKS TO FOOTWEAR, MILITARY EQUIPMENT, TACTICAL WEAR, WORKWEAR AND PERFORMANCE APPAREL.

CORDURA® BRAND FABRICS ARE USED IN GARMENTS MADE BY GLOBAL WORKWEAR BRANDS SUCH AS BLAKLADER, MASCOT, DICKIES, SNICKERS AND FRISTADS KANSAS AND LIFESTYLE BRANDS SUCH AS LEVI'S, TIMBERLAND AND REEBOK.

**Project 20/20**

**STUDENT DESIGN AWARDS**

**THE PROFESSIONAL CLOTHING AWARDS**

[WWW.PROFESSIONALCLOTHINGAWARDS.COM](http://WWW.PROFESSIONALCLOTHINGAWARDS.COM)

The CORDURA® brand team celebrated at the Professional Clothing Awards June 22nd by recognizing leading fashion and textile design students who took part in the **Project 20/20 Student Design Awards 2016 competition**. Four UK students – James Parker, Bethany Martin, Mollie Crabtree, and Lauren Jones – were named as Project 20/20 finalists as part of the special awards event at Excel, London for their creative, futuristic professional workwear designs.

The Student Design Awards sponsored by CORDURA® fabric, empower young designers to create their own visions of professional work clothing. This year's program, Project 20/20, challenged student designers to conceptualize corporatewear, workwear and/or personal protective equipment (PPE) for workers in the year 2020. The CORDURA® brand team encouraged students to go a step further with its CORDURA® Durable Design Award that focused on the integration of technical fabric functionality and commercial viability within design entries.



**CINDY MCNAULL**  
GLOBAL CORDURA® BRAND AND MARKETING DIRECTOR.

"The CORDURA® brand is focused on pushing the boundaries of durable fabric innovation," says Cindy McNaull, global CORDURA® brand and marketing director. "Today's young designers are essential in bringing forward-thinking designs to life, and helping us construct the durable fabrics of tomorrow. We're pleased to see all of the futuristic workwear garment innovations from this year's competition and to have the chance to celebrate the textile industry up and coming design leaders."

## OVERALL WINNER 2016

**JAMES PARKER** 3RD YEAR, FASHION DESIGN AND BUSINESS STUDIES AT BRIGHTON UNIVERSITY

JAMES'S DESIGN FEATURES SPECIALIST GARMENTS FOR ARBORISTS/TREE SURGEONS.



"My Project 20/20 experience has been a fantastic learning curve," said Parker. "I had such amazing support from the PCA Staff and CORDURA® brand team. They were extremely helpful in bringing my vision to life. I had to overcome a lot of technical issues whilst pattern cutting the design, and I gained new understandings of working with tech fabrics."







**WINNER 2016**  
**BETHANY MARTIN**

BETHANY MARTIN, 2ND YEAR, HONS IN FASHION, UNIVERSITY OF NORTHAMPTON

BETHANY CREATED A GARMENT RANGE FOR PROFESSIONAL OUTDOOR LANDSCAPE GARDENERS.

"This project has stretched my technical skills and has been thoroughly enjoyable and very rewarding," said Martin. "I realise that competitions such as this are so important to engage students in a different aspect of the fashion industry, and it has certainly opened my eyes to what different career paths within design are available. After designing outerwear for the competition, I feel this is something I want to expand on. I definitely hope to experiment with designing outerwear and sportswear in my final year at university, with a view to create garments that are stylish, practical and exciting for active and adventurous individuals."



Garments from the Project 20/20 winners and semi-finalists were displayed at the Safety & Health Expo, ExCel London and showcased in a special catwalk live show. For more information about the Project 20/20 contest and our workwear of the future:

[WWW.CORDURA.COM/EN/FASHIONXFUNCTION/PROJECT\\_20-20.HTML](http://WWW.CORDURA.COM/EN/FASHIONXFUNCTION/PROJECT_20-20.HTML)



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\*INVISTA 2016. CORDURA® is a trademark of INVISTA for durable fabrics.

# Premier Guarantee presents solutions to thousands of builders and developers across the UK

As a provider of structural warranties and building control, Premier Guarantee, is an accomplished brand that has proven popular with a wide range of clients. As one of the UK's principal experts in structural warranty and insurance services, the organisation has successfully presented solutions to thousands of builders and developers across the UK.

Our success is largely due to the fact that Premier Guarantee delivers some of the most innovative, competitively priced schemes on the market. Our activities have been operationally effective ever since the company's establishment in 1997 and are consistently supported by its dedicated surveyor network, which is made up of over 100 industry professionals.

As well as being readily available for on-site visits, the local surveyors are also on hand to provide advice where needed, regularly communicating with the client to solve any problems that may have arisen. Premier Guarantee boasts a well-built business structure, with a workforce comprising over 300 employees who make it their personal priority to provide quality levels of support to customers working on construction projects and those in need of warranty solutions for all types of residential and commercial builds.

Premier Guarantee is situated in Birkenhead Wirral, but also occupies a number of regional offices across the UK and in Europe. Excellence is spread across the spectrum, as all designated teams work in tandem so that when calls are received the right guidance can be provided regardless of the individual issue.

Larger clients can maximise the services



available from the field sales team, who are more than happy to manage quotes, orders and ongoing work whilst meeting on the occasion for follow-ups. All enquiries can be met accordingly, whether clients are looking to resolve problems, attain quotes or require certification.

Customer satisfaction and industry distinction is of the utmost importance to Premier Guarantee, who marks the successes of their movements with an exclusive internally arranged event. The coveted ceremony, named the Premier Guarantee Excellence Awards, acknowledges the UK's best developments covered by the company's schemes with a selection of well-deserved titles.

The 2015 edition was held on Thursday 12th November at the Bankside Vaults in London as a massive celebration featuring the award winners and finalists, each of whom were individually recognised for demonstrating excellent skill, site

management and quality in each of their chosen developments.

Over a third of a million customers housing units across the UK and Europe have reaped the benefits of attaining coverage with Premier Guarantee. To find out more about this warranty provider of choice, who has worked in accord with some of the country's leading property Developers, then please don't hesitate to get in touch with the team today. Alternatively you can browse the website to access further information about the solutions available.

**T +44 (0)8444 120888**  
**info@premierguarantee.co.uk**  
**www.premierguarantee.co.uk**



## SUPPORTING YOU TO ACHIEVE YOUR DREAM!

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We pride ourselves on our commitment and focus to the needs of the self builder and their contractors; this is why we are one of the country's leading Self Build structural warranty providers.

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MG Insurance Services Ltd is the Corporate Administrator for the Premier Guarantee range of structural warranties. MG Insurance Services Ltd is authorised and regulated by the Financial Conduct Authority.





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A company that cares about quality and cost

Paul Huxley Construction is an independent and privately owned British company boasting many decades of experience in the steel framed building construction industry.

We are one of the UK's leading suppliers of steel framed buildings for agricultural, industrial and equestrian use and we manufacture more than 150 buildings annually.

We are proud to be a British manufacturer, based at our own premises in Oswestry, North Shropshire, close to the English-Welsh border. All of our materials are from UK suppliers and locally sourced where possible.

Our team of staff offers high levels of experience, enthusiasm and attention to detail. We provide a full spectrum of planning-to-installation services for both kit and tailormade steel framed buildings, whatever size, location, use and requirement.

We have gained an enviable reputation for professionalism, customer care, high quality products and affordability – and we enjoy many repeat orders.

We are always happy to pick up the phone to discuss your steel framed building requirements. Please do give us a call for further information.



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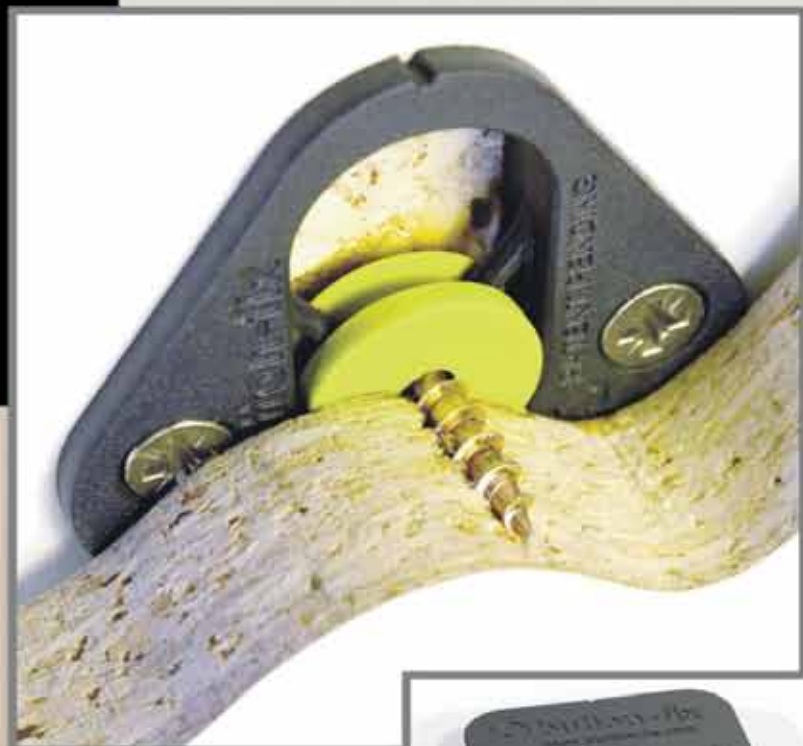
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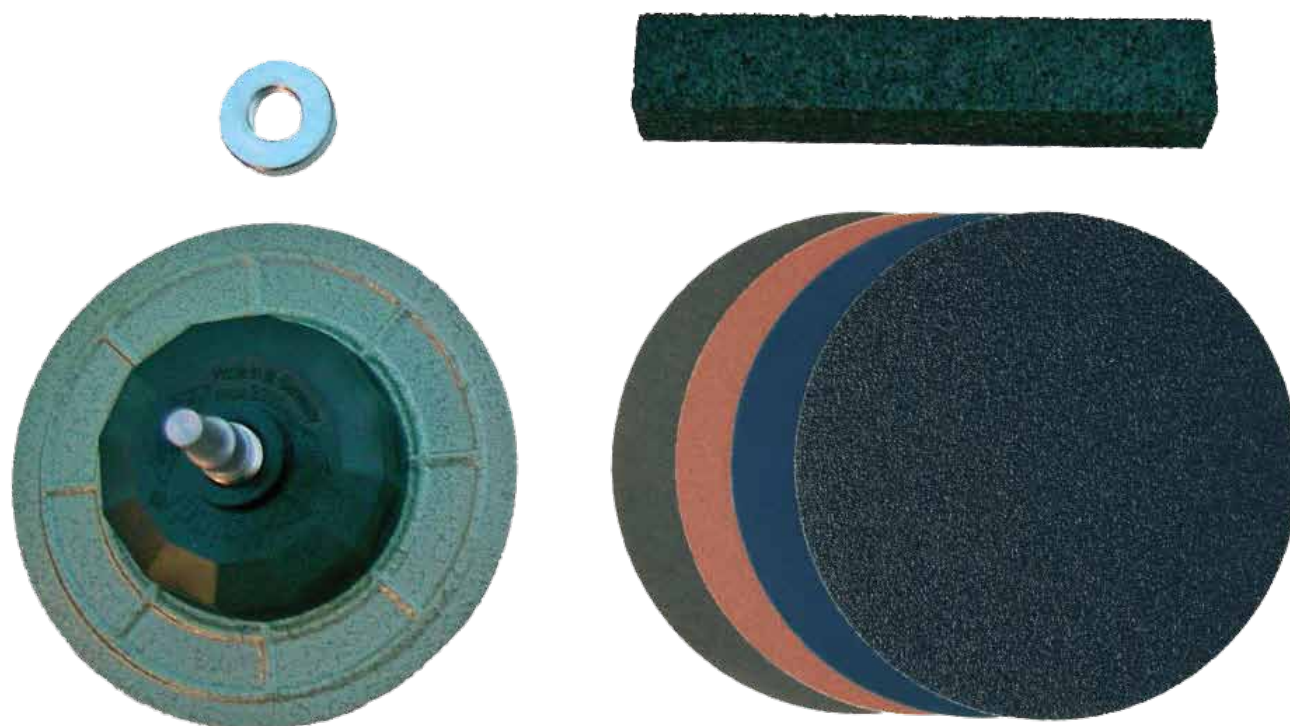
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# B&D Murkin Flexidisc Sander

## *So what is Flexidisc?*



**Starter Kit**

In short it's whatever you need from the following:

- In its basic state it's a general sander, but converts in seconds to
- A super-fine finishing sander
- A bench grinder
- A general purpose sharpener
- A partial angle grinder
- A polish applicator
- A polisher
- It also grinds glass and nails

And the whole system can be carried in your coat pocket!

Flexidisc is a system based on an exciting 5" (125 mm) disc sander attachment which fits in your drill, and does not jump, skitter or scuff. This is due to a simple but highly efficient flexible shaft which eliminates vibration. It gives full control without the need for effort or expertise when presented full face to the job surface. A top quality result is assured.

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# The Flexible Coating Company

**The organisation – which prides itself on being a well-positioned powder coatings manufacturer and supplier – was originally founded in 1984 by Tom McElhannan and has since developed a countrywide reputation for its excellency in this niche. Now managed by Tom's son and daughter, John and Gill, the business has remained a family-run enterprise boasting over thirty years of refined experience in the formulation of thermosetting powders for electrostatic application.**

All associated requests can be catered to accordingly courtesy of the team's vast skillset and knowledge base within the industrial powder coating industry, as Thermaset's Commercial Manager Nigel Crane informed us, "Our employees are empowered to answer all queries as quickly as possible and thus the personal touch that is bred inside the company is translated out to our customers. Over 45% of our staff has another member of their family working here and our current average length of service is over 15 years.

"With this in mind, we have great faith in our staff that all of our products are manufactured to the highest possible standards and our ethos of 'right first time, every time' is carried out. We have never lost sight of the fact that we are a family owned firm (the third generation of the family is also employed by Thermaset) and very much think of our employees as such."

The Staffordshire-based company, which is currently working toward ISO 14001 accreditation, boasts an impressive status as the largest sole UK based manufacturer of its kind with the most extensive product inventory. The stock range comprises many variations and the all-encompassing offering even includes anti-bacterial, post forming and specialist powders (which can be developed where necessary). There are thousands of formulations available, so there's no colour that can't be successfully matched, and orders can be taken in numerous quantities (from

as little as a few kilograms right up to bulk deliveries dispatched in tonnes for a long-term contract).

It is this flexibility that makes Thermaset stand out amidst its competitors in the marketplace, as Nigel continued: "The depth of our stock range and level of customer service we offer is what places us in a strong position in the industry. This ensures we have a varied pool of clients; the beauty of our customer base is that we have the ability to serve everyone from one man outfits to the multinational companies. Such is the professionalism and expertise of our staff; we can cater for everybody's needs.

"Being able to deliver such a wide variety of stock for next day delivery also separates us from our competitors, as does our 'Pre 12 for a Pre 12' delivery service which enables clients to have a morning delivery on their powder on all orders received before noon the previous day. We like to think that this service helps our customers to become more efficient without incurring any extra expense."

Because operations are undergone with the strictest testing processes, clients can rest assured that the products they receive are of the highest possible quality. Keeping close control over all proceedings ensures consistency and complete customer confidence, and this is made possible as the R&D and production facilities are strategically positioned on the same site as Thermaset's general office.

These first class corrosion resistant powder coatings essentially eliminate the utilisation of solvents, which in turn enables users to complete the process efficiently without being hindered by frustrating runs and sags. In addition to this, they can be recovered for re-use, need no pre-mixing and can be easily controlled with minimal wastage. Available in Epoxy Polyester, Epoxy Powder, Polyester and numerous other specialities, the powders are suitable

for the following applications: household appliances, automotive, furniture and electronics.

Upon detailing Thermaset's current performance and plans for the future, Nigel was soon to enlighten us about the company's most recent developments and agendas, "We have recently attained 'Qualicoat' approval, which allows us to supply architectural grade powder coating to the industry," he said. "Having recently purchased land adjacent to our current factory, we are also completely redeveloping our office and laboratory workspaces creating a bigger and better working environment as well as instigating a 'training school' where prospective clients can learn about the industry and how best to use our product.

"In addition, we have just made a large capital investment into our newly installed ERP system, which will make the entire business process more streamlined, thus increasing capacity from both a manufacturing prospective and an administrative one. We are hoping to continue the development of this brand new



system whilst undergoing major building works on our offices."

The hard-working and friendly group of representatives at Thermaset are readily available to provide guidance and information as well-equipped specialists competent in handling tasks of all sizes and complexities. Formulation and manufacture

of unique powder coatings are available within just five working days, and standard products can be delivered the very next day, so if you are interested in enquiring then please don't hesitate to give the team a call.

**Contact**  
**T +44 (0)1827 55777**  
**www.thermaset.co.uk**



## Challenges us to find you a Solution...

The Flexible Coatings Company

Thermaset Ltd have established an enviable UK-wide reputation for innovation and excellence in the formulation and manufacture of thermosetting powders for electrostatic application. Established in 1984, our success has always been based on the principal that our customers' problems are our opportunities.

Like many companies, we had humble beginnings, but we have grown and thrived in an increasingly competitive market place by maintaining the exact same focus on customer service we had on day one. For our customers, this has meant security in the knowledge that we provide the right solutions at the right time – no matter what the request. The expertise of our personnel in powder coating spans over 30 years.

- ✓ Widest stock range in the UK
- ✓ Over 100 years colour matching experience
- ✓ UK wide technical sales force
- ✓ Next day delivery for stock items.

**T** 01827 55777 **F** 01827 53773  
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**A** Thermaset Ltd, Claire Works, Anders, Lichfield Road  
Industrial Estate, Tamworth, Staffordshire, B79 7TA, United Kingdom





# Floodex 2016

On the 18-19th May 2016, Floodex launched its first ever exhibition which focused on innovative and practical solutions to protect against flooding. The show, which took place at the Peterborough Arena, welcomed over 1000 visitors consisting of top quality buyers and specifiers, all looking for ways to improve their flood protection and management.

With some of the best in the industry all under one roof, Floodex saves visitors time, money and effort researching the market to find a solution that best suits them. The show brought together leaders in the Local Authority, Internal Drainage Board (IDB), engineers, builders, designers, consultants, contractors and planners with the supply chain and service providers, providing a fantastic opportunity for networking.

"As flooding in Britain continues to be a significant problem, it is of the upmost importance to identify the most effective solutions and invest in sustainable, long term solutions," commented Event Organiser Jon Irwin. "Whether



you are looking to put procedures in place to prevent flooding and damage, or to set up a system for post flooding such as clear up operations, everything you need is in one place.

"For an initial launch, I feel the show couldn't have gone better! The quality of the visitors was fantastic and we saw some really interesting and informative talks from key figures in the industry. The feedback we received was also phenomenal. One visitor

told me that almost every person that attended his stand was a decision maker and there is nothing better than meeting people face to face and showcasing your solutions in person. I have worked on many events in my time, but it really doesn't get better than that!"

Following the huge success of this year's event, Floodex 2017 is already booked for next year with many exhibitors and visitors set to return. Once again taking place at the Peterborough Arena, the show aims to boost visitor numbers and increase support from local authorities.

Floodex has also been offered the incredible opportunity to feature at Amsterdam's International Water Week – an established event that witnesses around 20,000 visitors and brings together the best solutions in the industry.

"Looking at what we have achieved this year, I have no doubt next year's event will be even better!" concluded Jon. "I would encourage anyone who is looking for an infrastructure based solution that will protect against flooding to come and see what the show has to offer. With a wealth of knowledge and advanced solutions all in one room, you are guaranteed to leave not only better informed but with a system or plan that best suits you and your environment."

Just a few of the exceptional comments from the show included:

**"One of the best events we've attended ...interesting topics and speakers – and great networking. We will definitely be back in 2017!"**

Britt Warg, UK Manager – Geodesign Barriers

**"As a new exhibitor to this market we found Floodex hugely beneficial"**

Peter Beach, Sales & Marketing Manager – Genquip

**"We were very happy with the quality of the delegates and had many interesting conversations with new contacts."**

Mark Goodger, Regional Technical Manager – Hydro International

**For more information about exhibiting or visiting Floodex 2017 on the 17-18 May 2017, visit the website at: [www.floodex.co.uk](http://www.floodex.co.uk)**



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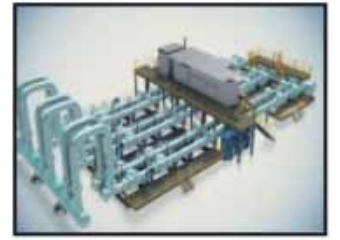


# Professional Engineering & Design Services



# **totec**

## DESIGN



## PROFESSIONAL ENGINEERING AND DESIGN SERVICES

Totec Design Ltd, a specialist engineering design consultancy based in Swansea, South Wales, was originally established in 1973 by Brian Phillips under the name of Total Technology (Engineering) Ltd.

The family-run business has since enjoyed over 43 years of success, satisfactorily exceeding the expectations of clients for decades with its refined design expertise and capabilities and has resulted in the business now operational as two separate divisions of the Totec Group: Totec Design and Totec Recruitment.

Being heavily involved with the oil, gas & petrochemical (offshore and onshore), water & sewage treatment, energy & power generation, manufacturing, heavy steel and food processing industries, Totec Design is renowned for effectively delivering appropriate and cost-effective solutions in mechanical engineering, design and detailing for all applications associated with process pipework, plant and structures.

The superiority of Totec is amplified with the vast range of engineering activities it offers. Its areas of expertise can be segregated as follows: process plant design (grass roots or plant modifications), piping design (British, European & International piping codes), pipeline stressing (EU & international codes), pressure vessel design (PD5500, ASME VIII, EU & international codes), tank design (British, EU & International codes), heavy fabrications (process equipment, equipment components & structures), modular/skid packages (design of skid mounted piping, pumps, vessels & equipment), pressure regulations (site surveys, technical reports, etc.) and structures & civils (pipe bridges, trestles, steel framed buildings & structures lifting beams, gantries, access platforms and so on).

### Focus on Tank Designs

One of the specialist areas of design offered is that of small to medium size, shop or field built storage and process tanks, these designs complying with various International codes including BS EN14015, BS EN1990/1991/1993, API 650, API 653, API 12D/F to name but a few.

Designs are completed with the aid of TEDDS software, Roark & Young formula's coupled with empirical methods applicable to the various tank design codes.

### Total Technology Design Partnership Limited

Unit 2 & 3 Tawe Business Village, Phoenix Way, Llansamlet, Swansea, SA7 9LA, UK

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Part of the **totec** Group of Companies





# TOC becoming Industry Standard for continuous COD monitoring



A Major UK Soft Drinks manufacturer has instantly seen the benefits of moving to online technology. The customer approached Metrohm Process Analytics, after their effluent plant (containing an aerobic treatment facility), was overloaded with COD (organic load) over a two day period. The consequences of such an incident were severe. Too high COD load leads to shock and death of the bacteria. The effluent plant had to be closed down whilst the reactors were re-seeded with aerobic bacteria. But whilst the effluent plant was shut, the plant needed to continue production of soft drinks. This meant that effluent was tankered off site until the effluent plant

came back on-line. Re-seeding and tankering waste came at a cost of over £0.5million pounds to the plant.

#### The Problem

The effluent plant was monitoring load with twice daily spot samples using the standard COD lab method. Not only is the test method hazardous with the use of potassium dichromate, it is a time consuming and slow analysis. This particular incident also highlights how spot sampling is not an effective means to monitor or control a process, as significant events can be missed leading to monetary losses and/or out of consent discharges.

#### Real-time Solution

Metrohm's solution was to monitor and control the daily load to their effluent treatment plant by using Metrohm's continuous TOC analyser. COD is essentially an indirect measure Organic load (TOC). TOC can be used to measure COD levels with a correlation factor and it is this method that has become the industry standard for continuous COD monitoring and control.

It was established that in soft drinks manufacture the main contribution to COD was sugars, which would give a consistent chemistry going to the effluent plant and would ensure a consistent, stable correlation between COD and TOC.

#### Results

A two month trial period using the TOC analyser was carried out where the company measured lab COD samples alongside the TOC results. Indeed a very consistent and reliable correlation was established between COD and TOC which turned out to be a correlation ratio between 2.7-2.9. Validation of the ratio using a factor of 2.9 showed the TOC analyser gave highly accurate CO results (for example a TOC value of 1,000mg/L would mean a COD of 2,900mg/L).

#### Robustness to Suspended Solids

Furthermore the customer was very satisfied that the analyser could cope with the quality of the effluent with a 100% up-time in the face of high levels of suspended solids and bug growth in the sampling lines. This gave them confidence in the robust design of the analyser with wide bore tubing and no internal valves proving the system to be rugged. The simplified layout and use of easily obtainable and inexpensive parts meant the analyser was easy to operate and maintain, whilst giving accurate and reliable COD results continuously.

#### Instant Return on Investment

The company saw instant benefits when continuously monitoring COD. They were able to understand when peak COD loads were hitting the effluent plant. Also due to the continuous logging of COD they were able to calculate the daily COD loading to the plant and efficiently dose nutrients and save energy costs on aeration to the plant to maintain the correct balance for an efficient treatment. In doing so it has been calculated that the cost of the analyser was paid back within 6 months from chemical savings alone.

#### Up-Stream Process Understanding

It quickly became apparent that the plant was often being overloaded at systematic times during the week. The operators were able to manage the loading coming into the plant by instructing when the bottling plant had to stop discharge to the effluent plant in order to manage the correct loading and prevent another costly 'COD shock.'

#### Additional Cost Savings

An additional benefit since the TOC analyser was installed was that it identified a major product loss when a syrup pipe leaked. This was identified by a sudden high level COD spike. The plant was informed; the leak was identified and fixed before more costly losses were incurred (calculated loss before leak being found was twice the cost of the analyser).

#### Other Applications of Continuous TOC:

- Effluent Consent Monitoring and Control
- Monitoring Breakthrough in Boiler Water
- Monitoring Surface Water Discharges
- Monitoring and Control of Coagulation
- Monitoring and Control of Recycled Water
- Organic Contamination/Build Up in Processes

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www.metrohm.com

## Laboratory News

# Making Laboratories Greener

ISO 9002 and ISO 14001 certified company Anachem Ltd has been focused on improving laboratory productivity and sustainability ever since its establishment in 1970. Over 45 years of refined industry experience has enabled the group to become the UK & Ireland's leading laboratory liquid handling specialist renowned for its capabilities in pipetting technical support, service and calibration.

"We are a leading service and supply organisation for laboratory liquid handling and consumables," explained Anachem's Marketing Professional Amanda Cooper. "We provide a valuable resource for scientists with next day UK delivery for many essential laboratory consumables. In addition, all of our products are fully supported by our extensive validation, calibration and maintenance services."

The Bedfordshire-based company actively strives to source and supply products that will maximise safety, environmentalism and ergonomics within laboratory settings whilst enabling its occupants to save time and money. This extends to the provision of dedicated solutions that ensure complete quality assurance and regulatory compliance, whilst guaranteeing result accuracy and operational efficiency.

The impressively vast range includes molecular biology reagents, cell biology reagents, PCR consumables, storage tubes & plates, storage racks, laboratory safety components, sundries, related accessories and a diverse array of pipettes and pipette tips.

As a well-practiced expert, Anachem offers support to scientists seeking pipetting solutions in the form of effective e-commerce, trusted products, speedy distribution, and of course, an unmatched level of customer service.

Amanda informed us, "Our extensive range of high



quality pipettes from leading brands such as RAININ is complemented by precision pipette tips and other plastic consumables.

"Our pipette service organisation is the largest and most experienced in the UK; we offer service and calibration of all makes and models of pipettes. Our independent CYCLERtest validation services provide detailed information regarding the performance of

any thermal cycler to ensure your PCR reactions are optimised."

Anachem prides itself on its ability to facilitate the needs of laboratories operating within multiple industries, having previously supported scientists in pharmaceutical, biotechnology, chemical, technology, clinical, food processing and consumer product companies, universities, research institutes, governmental agencies and environmental testing organisations.

Please visit the company website at [www.anachem.co.uk](http://www.anachem.co.uk).



[www.anachem.co.uk](http://www.anachem.co.uk) to view the full range of exceptional money saving offers available on day-to-day laboratory items, or telephone Anachem at your earliest convenience if you wish to discuss your requirements in more detail with an informed company representative.

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

## Wardray Premise Limited

Wardray Premise Limited is a long established family run, UK business providing shielding solutions and related accessories

Wardray Premise provides the design and installation of: RF (Faraday) cages, magnetic shielding, radiation shielding for Gamma, X-ray, CT and Mammography facilities, lead protective doors and windows and lead protective screens.

Wardray Premise has a vast range of accessory products from practical everyday items such as lead protective clothing, patient trolleys and portering chairs through to items that improve the patients' experience. The 'Puresound' audio system, which provides music during an MRI examination, is acknowledged as a relaxation aid for apprehensive patients. The Relax & View® Lightboxes are illuminated images suitable for walls and ceilings that reduce the effect of claustrophobia, patient stress and restlessness. Both products have a beneficial effect on

staff, aiding efficiency and improving the healing environment.

Based on a principal of outstanding customer care, Wardray Premise engineers have extensive experience in medical imaging and have gained an excellent reputation. Wardray Premise provide their customers with first class products and after sales service.

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## Elfab announce its latest Buckling Pin Pressure Relief Range

Elfab's product offering now widened, with the introduction of its BPRV.

With over 80 years' experience leading the industry in pressure management innovation, Elfab have expanded upon their range of technically superior rupture discs and explosion vents with the introduction of Buckling Pin Relief Valves (BPRVs). This latest partnership further enhances Elfab's pressure relief options for applications within safety critical process environments.

There are two non-reclosing primary pressure relief devices, rupture pins and rupture discs, both offering a range of advantages dependent on specific pressure relief applications and conditions. Having both technologies under its pressure intelligence brand better positions Elfab to service its global customer base in providing the most cost effective, safety critical pressure relief solution. The BPRV is a unique product that offers an accurate and reliable means of pressure relief calibration, whilst also enabling resetting without the need for the valve to be isolated from the process.

Each Buckling Pin is uniquely designed and manufactured under the highest quality standards to meet customer's individual applications. Unlike other forms of pressure relief devices, the critical component (the pin) is located externally and isolated from the process. At a set pressure the pin buckles instantaneously allowing the pressure to be released. With two simple states (straight or buckled), after functioning the pin is the only element that needs replacing, avoiding human error occurrences due to ease of installation while benefiting from low replacement costs.

BPRVs are almost maintenance free and not subject to annual replacement. Suitable for a range of applications



and industry sectors such as Petrochemical, Oil & Gas, Food Processing, Energy and Pharmaceutical; buckling pins are long-term cost-effective solutions for a vast range of pressure relief requirements.

Both new and existing customers can benefit from this latest development. Elfab will work with each customer uniquely to ensure the best pressure relief solution is available for the required application.

T +44 (0)191 293 1234  
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www.elfab.com

## Water and Chemical Storage News

### Specialists in Water Storage Tanks

Drayton Tank & Accessories Ltd is a leading water tank company.

Situated in Sheffield, the ISO 9002 accredited company specialises in the distribution of WRAS-approved products stringently designed to accommodate water, waste and chemical storage requirements. The tanks, which are suitable for both commercial and industrial applications, are designed for longevity and functionality and help to keep customers' water as safe and clean as possible.

As well as producing one of the most extensive lines of Glass Reinforced Plastic (GRP) water tanks, Drayton

provides water tanks suitable for drinking water (potable), cold water booster pump break tanks, rainwater & storm water tanks, break tanks & header tanks, effluent & chemical storage tanks and grey & waste water tanks.

Drayton also supplies a range of high class accessories and fittings in the form of Aylesbury float valves, brass equilibrium ball valves, brass BSP threaded connectors, stainless steel BSP threaded connectors, screened overflows, Cat 5 backflow prevention, laminated PN16 stub flanges, AD52 level switches, access hatches, drip trays, outlets, drains, screened tank vents and rodent

screens. In addition, GRP housings, kiosks and enclosures are available in a wide variety of sizes and colours with optional extras.

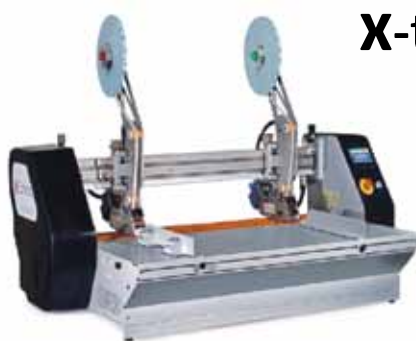
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## Drayton Tank & Accessories Ltd

### Specialists in Water Storage Tanks

Drayton Tanks produces one of the largest ranges of (GRP) Glass Reinforced Plastic water tanks for both hot and cold water storage as well as chemical and other solutions.

This includes tanks for Waste Water, Effluent and chemical storage along with a large range of tanks suitable for Feed and expansion F&E tanks for water up to 70°C.

Hot water tanks as available from our Chemical range suitable for water up to 120°C.

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3 Crown House, Market Street, Penistone, Sheffield S36 6BZ

# New SPECTRO XEPOS spectrometers redefine ED-XRF with exceptional new levels of elemental analysis performance

**S**PECTRO Analytical Instruments recently announced its new line of SPECTRO XEPOS spectrometers, representing a quantum leap in energy dispersive X-ray fluorescence (ED-XRF) technology and providing breakthrough advances in the multi-elemental analysis of major, minor, and trace element concentrations.

New developments in excitation and detection introduced with the new SPECTRO XEPOS ED-XRF spectrometers deliver outstanding sensitivity and detection limits and yield remarkable gains in precision and accuracy. The analysers excel at critical tasks from rapid screening elemental analysis for environmental and waste sampling to demanding applications in research, academia,

and geological science. They support precise product quality control at-line for a variety of applications such as chemical and petrochemical production, and the manufacture of cement, cosmetics, food, pharmaceuticals, and more.

The new line of SPECTRO XEPOS spectrometers features: **Spectacular sensitivity** – Innovations in adaptive excitation plus tube and detector technologies that dramatically improve sensitivity – often by 10x or more – to boost precision, realise significantly lower detection levels, and deliver a fast and accurate analysis of a wide range of elements, from sodium to uranium. Enhanced with new high-count detector and tube designs, new sensitivity, and

minimised backgrounds, the new analysers' proprietary adaptive excitation technology enables exceptionally low limits of detection (LODs) for a wide range of elements.

**Unparalleled precision** – Unlike most ED-XRF elemental analysers, the X-ray tubes in SPECTRO XEPOS spectrometers remain powered on between measurements to prevent on/off variations from affecting readings. This ensures long-term stability, realises an exceptionally high degree of precision in elemental analysis – up to 3x better than before, and delivers substantially improved analytical accuracy for concentrations from trace elements to major components.

**Faster measurements** – For operators



who require speed more than utmost precision, SPECTRO XEPOS analysers can dramatically cut measurement times, while still maintaining precision levels comparable to traditional ED-XRF spectrometers. The system's high speed helps to achieve analyses of most samples within a few minutes.

XRF spectrometers is available immediately from SPECTRO Analytical Instruments. Four advanced versions are available, enabling users to prioritise their selection according to measurement speed, ultimate precision, or groups of targeted elements in specific matrices.

**Contact**  
For more information, visit:  
[www.spectro.com/xepos](http://www.spectro.com/xepos) or email:  
[spectro.info@ametek.com](mailto:spectro.info@ametek.com)

backed up by direct connection with a remote SPECTRO service expert's PC. The new line of SPECTRO XEPOS ED-



**AMETEK**  
MATERIALS ANALYSIS DIVISION





# Wave goodbye

**ED XRF** The ED-XRF analyzer that performs like a WD-XRF — at much lower cost.

Once you see the new SPECTRO XEPOS ED-XRF spectrometer in action, you'll send your pricey wavelength dispersive X-ray fluorescence model packing. The affordable SPECTRO XEPOS provides comparable or superior elemental analysis performance for critical applications from rapid screening analysis to precise product quality control. And with major new developments in excitation and detection, it redefines energy dispersive X-ray fluorescence analysis — delivering outstanding sensitivity, much lower detection limits, and remarkable precision. Add powerful new TurboQuant II software to analyze unknown samples without extensive setup, for faster, more accurate results than ever before.

Visit the resource center at [xrf.spectro.com](http://xrf.spectro.com) now to find out more about the astonishing new SPECTRO XEPOS!



**SPECTRO**  
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# Validation, collaboration, compliance

An industry leader in Cleanroom Technology, EMS Particle Solutions provides clients with a full range of solutions in Cleanroom monitoring services and equipment including particle detectors. For over 27 years the company has provided an end to end service in the provision of designing systems, project managing systems, full maintenance and complete validation package.

The renowned group has been the only approved PMS agent in Ireland for numerous years and has now assumed an identical role in the UK, offering complete sales and service solutions to England, Scotland, and Wales.

"We provide the best cleanroom monitoring advice supported by the newest instrumentation and software to meet and satisfy the constant changes and regulations in your industry," commented Les Dodd, Business Development Manager at EMS.



"Our company has sole access to the latest calibration techniques, procedures, software updates, and genuine particle detector parts supplied direct from PMS. Continuous training and support from PMS centre's worldwide, enable us to ensure our customers meet all industry requirements with minimal effect on their core business operations."

The renowned company offers the latest range of products and services to benefit an extensive selection of industries including Aerospace & Defence, Food & Beverage, Industrial Manufacturing, Life Sciences, Microelectronics and Research & Development. They provide innovative service solutions which are client focused ensuring success such as Equipment Sales and Rental, Calibrations (on and offsite) and Facility (Particle and

Environmental) Monitoring Systems.

Partnered with Particle Measuring Systems, EMS also host Particle College programs which are CPD certified. These programs are presented by industry experts covering fundamental industry concepts through to advanced applications

of micro contamination monitoring and control. They are offered semi-annually and comprise of a combination of in-depth lectures and labs.

"At EMS Particle Solutions, we are committed to our role of providing the best quality services and products,"

concluded Les. "Our steadfast dedication to Customers, Industry and technology advancements and Continued Professional Education ensures our position of industry leader."

**T +44 (0)1223 257704**  
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## Providing Particle Counter and Monitoring Solutions

EMS Particle Solutions Ltd provide cleanroom monitoring services and equipment, including particle detectors and other cleanroom technology.

EMS Group has been the only approved PMS agent in Ireland for numerous years and has now assumed an identical role in the UK, offering a complete sales and service solutions to England, Scotland, and Wales.

EMS Particle Solutions offers the latest innovative range of products and services to an extensive selection of industries including:

- ▲ Aerospace & Defence
- ▲ Food & Beverage
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**Industries we supply**

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**Aerospace & Defence**  
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**Food & Beverage**  
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## Single use cold chain PDF temperature data logger

Omega's new OM-21 data logger is for use in cold chain applications to monitor the transportation of Pharmaceuticals, food and other temperature sensitive products.

The data logger is completely user programmable including language selection, sampling interval, start delay, alarm delay, temperature units, alarm range, alarm type, password and user name. The unit's compact, lightweight, waterproof and flat design allows it to fit inside any package. No special software or driver is required for set-up or download of data.

On completion of data logging a PDF report is automatically generated containing data summary, graph and tabular results. The data logger appears as a mass storage device when connected to the PC. User manual set-up utility and PDF report are



all stored in the data logger. Prices from £154.00.

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## New from Omega the PX409S USBH Output Pressure Transducer with Hygienic Fittings

New from Omega the PX409S Hygienic USBH Series connects directly to your computer. The free software makes data logging and charting your readings a simple task. The micro-machined silicon design provides a very stable transducer with

exceptional high accuracy of 0.08% typical and a broad compensated temperature range, it is ideal for pressure or level measurement in life science applications.

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### Exceeding Your Expectations

Since its inception in 1962, OMEGA has grown from manufacturing a single product line of thermocouples to an established global leader in the technical marketplace, offering more than 100,000 state-of-the-art products for measurement and control of temperature, humidity, pressure, strain, force, flow, level, pH and conductivity. OMEGA also provides customers with a complete line of data acquisition, electric heating and custom engineered products.

For the past three decades, our handbooks have served as valuable reference tools for engineers around the world. And though we are an established direct-marketing pioneer, our people, facilities and superior client services go well beyond the OMEGA handbooks.

It is our commitment to quality instrumentation and exceptional customer service that has remained the cornerstone of our success. OMEGA's priority is clear. Our facilities exist to 'facilitate' solutions to your needs.

#### Continued Growth

OMEGA® continues to grow and currently has facilities worldwide. Corporate headquarters are at Stamford, Connecticut with the main manufacturing site located at Bridgeport, New Jersey. OMEGA® also has a site in Canada in addition to its UK subsidiary, OMEGA Engineering Ltd. The Group also includes Newport Electronics (sites in USA, Germany, and the Czech Republic), OMEGADYNE (located near Columbus, Ohio). Over the past 40 years OMEGA® has evolved from its humble origins to become the international leader in the field of Process Measurement and Control, offering over 100,000 items.

OMEGA's success lies in its commitment to quality, exceptional customer service and highly experienced technical support. OMEGA® chose the UK as the location for their European manufacturing Head Quarters. This followed a lengthy selection process involving a number of European sites. Many factors influenced OMEGA's decision to locate at Manchester, including easy and direct access to the national motorway network, the proximity of Manchester International Airport and the availability of an unrivalled workforce. Manchester is a great location from which to serve the whole of Europe.

River Bend Technology Centre, Northbank, Irlam, Manchester M44 5BD  
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## Intrinsically safe infrared temperature sensor

The New OMEGA OSAT-151-C-LT-05 is an intrinsically safe infrared temperature sensor. It measures the temperature of surfaces in hazardous areas without contact and provides a direct 4-20 mA output. It is certified to ATEX, IECEx and TIS standards. The OSAT is a small and compact low cost option for temperature measurement



in hazardous locations. It uses intrinsic safety as the method of

protection, whereas explosion proof pyrometers typically have bulky and expensive housings.

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## Listening to customers – innovative fridge dryer

The high performance OMEGA OMD dryer range is available in the UK, from the controls equipment distributor proficient in energy efficiency – Pneumatic Solutions International (PSI).

By listening to the needs of their customers, the OMEGA OMD dryer range is built to a high specification, with detailed consideration given to economy, sophisticated functionality and ecology.

#### Easy to maintain

Ease of inspection and maintenance has been thoroughly thought through. The easily removed panels offer immediate access to the operating components of the unit. A quick 'bayonet' valve system and innovative coil clamp means the solenoid drain valve can be easily cleaned without needing service tools.



#### Performance

The OMEGA OMD fridge dryer range offers excellent performance even in high ambient and high inlet temperatures of 45°C and 55°C respectively; the highly efficient and ultra-compact heat exchanger ensuring a reduced compressed air pressure drop.

#### Economy

OMD dryers are sized to match standard compressor outputs making it unnecessary to select a larger model, eg. a 15kW (20HP) air compressor with

theoretical output of 130m<sup>3</sup>/h at 7 bar matches the OMD 135 rated at 136m<sup>3</sup>/h.

#### Ecology

All materials used in the construction of OMD dryers have a high recycling factor and only environmentally friendly refrigerants are used. Components conform to 2002195/CE 'RoHS' (Restriction of Hazardous Substances) and 2002196/CE 'WEEE' (Waste Electrical and Electronic Equipment) European Directives.

#### Functionality

Listening to customers, creating technical solutions to original designs supported by extensive laboratory testing has resulted in many practical innovations.

**See the OMD datasheet for more information or call the technical team at PSI on 023 9223 3611.**

## DIN rail mount signal conditioner

The DRI-U is a DIN rail mount signal conditioner for thermocouple, RTD, resistance or voltage inputs, with 1800V insulation between input, output and power. The user configurable input and output offers flexible, wide ranging capability for most temperature signal conditioning applications.

The DRI-U is configured via DIP switch for Types J, K, T, E, R, S, B, N, or C thermocouples or Pt, Ni or Cu RTDs. Additionally, functions such as signal linearisation, up or downscale burnout, number of RTD leads (2, 3 or 4) and voltage or current output are also



set via dip-switches. Accuracy and performance during warm-up and during changes in ambient temperature are said to be maximised. The cold-junction compensation technique uses two temperature sensors to measure the differential temperature near the terminal block. Using heat transfer

calculations with the measured differential temperature and the known thermal conductivity of the PCB, the terminal junction temperature is determined with extreme accuracy. Even during unstable thermal states such as start-up, ambient temperature changes or changing load or power, the DRI-U Series is said to perform highly accurate thermocouple temperature measurement.

**Freephone Sales 0800 488 488 (UK ONLY)**  
**T +44 (0)161 777 6611**  
**F +44 (0)161 777 6622**  
**www.omega.co.uk/pptst/DRI-U\_SERIES.html**

## Platinum Series PID temperature and process controllers

The Platinum Series family of microprocessor-based PID controllers offer unparalleled flexibility in process measurement. While extremely powerful and versatile great care has gone into designing a product that is very easy to set-up & use. The automatic hardware configuration recognition eliminates the need for jumpers & allows the firmware to automatically simplify itself, eliminating all menu options that do not apply to a specific configuration.

**Freephone Sales 0800 488 488 (UK ONLY)**  
**T +44 (0)161 777 2252**  
**F +44 (0)161 777 6622**  
**sales@omega.co.uk**  
**www.omega.co.uk/pptst/CNPT\_SERIES.html**



## Sysop to help improve I.T. people & processes

IT educator and consultant Sysop is to help Aintree University Hospital NHS Foundation Trust ('Aintree Hospital') improve its major incident response as well as running accredited SDI Service Desk Institute and ITIL service management courses for its IT people.

"This investment is all about improving what we do here and Sysop's services are something of a one-stop shop for us, providing everything we need" says Aintree Hospital Head of IT John Speight.

"A Sysop consultant ran a major incident workshop for our senior managers, which helped us to review what we have in place for any major incident response in the event of core system failure, looking at improvements we could make in key areas such as systems recovery and communication with others across the organisation.

"We prefer on-site to computer-based training as we think it makes optimum use of IT staff time and delivers better outcomes. Sysop's SDI and ITIL



courses are also IT team-builders for us, so an on-site classroom approach is the best one for us" John Speight concludes.

Sysop director of professional services Adam Sawle adds, "Our consulting-led approach to process and people improvement is more rigorous and longer-lasting than the tick-in-the-box training industry norm."

Sysop's work for Aintree Hospital follows its recent appointment by the North West Skills Development Network which facilitates professional development for 4,500 NHS informatics staff across Lancashire, Greater Manchester, Cheshire and Merseyside.

**T 01706 361110**

## Exceptional estate and letting agents

Set up in 2009 during the biggest property slump in 30 years by entrepreneur Sussanne Chambers and investors, HomeXperts has grown from strength to strength. Now a truly recognised name in the property industry, they deliver a tried-and-tested franchise model, enabling people to set up their own estate and letting agency whilst working from home or a small-serviced office.

This award winning franchise model provides users with 24/7 cloud-based access to all of the documents they need to run their business when they need them. It hosts over 1,000 training documents, more than 300 webinars and in excess of 100 marketing materials available to all of the franchisees. The Franchise Opener system within the Hub breaks down into a step-by-step process all of the tasks that need to be completed in order



for the franchisees to launch their business.

"We don't just sell or let houses, we really help people to move," commented Founder and Managing Director, Sussanne Chambers (pictured). "All of our HomeXperts personal

agents are passionate about property and delivering exceptional customer service to all of their clients.

"We look for hard-working, self-determined individuals who want to secure their financial future whilst working from home or a small serviced office. We have helped people; to become their own boss for their first time, to find the work-life balance that they crave and to start a job that they are truly passionate about."

**T 01905 678850**  
franchise@homeexpertsuk.com  
www.home-xperts.co.uk

## Your safety, our priority

Nationwide Platforms has come a long way since its foundation in 1988. It is the UK's foremost leader in powered access platform hire, equipment sales and IPAF training

The powered solutions, which are a safer and more effective means of working whilst elevated, have proven to be cleaner and more efficient than alternative methods incorporating fixed scaffolding and ladders. The platforms are best suited to cladders, painters, ceiling fixers and mechanical & electrical contractors working at heights (between three and 84 metres), although they have also been employed for use during

feature films and drama productions

The organisation also provides a range of working at height training which includes accredited IPAF, PASMA, IOSH and Health & Safety courses. This particular division was set up in response to the increased demand for aftersales support; when it comes to specialist equipment rental it is often a necessity for customers to source further training, and this is what Nationwide Platforms can provide with its range of courses (example subjects include harness inspection, site management and access platform operator training).

For more information on how Nationwide Platforms can assist you with its excellent level of customer service, innovation, training and commitment to safety, please contact the team.

**T 0844 381 4478**  
www.nationwideplatforms.co.uk



## Managing risk of electrical assets just got easier!

The UltraTEV Plus<sup>2</sup> simplifies the interpretation of electrical Partial Discharge Measurements

With the launch of a new hand-held instrument, a big step forward has been taken to understand and interpret the measurement of Partial Discharge (PD), a major cause of failure in High Voltage (HV) Electrical Assets. Partial Discharge occurs in and around the insulation material on HV equipment

such as cables and switchgear. The discharge is caused by gaps, voids, contamination and defects in the insulation and this is where small 'arcs' take place. Once this process starts, it only increases and can lead flashover and failures, so being able to detect partial discharge as early as possible has major safety, financial and



security of supply benefits.

**T +44 (0)151 339 4181**  
www.eatechnology.com/  
products-and-services

## Breakthrough in PD instruments

With the launch of a new hand-held instrument, a big step forward has been taken to understand and interpret the measurement of Partial Discharge (PD), a major cause of failure in High Voltage (HV) Electrical Assets.

Unlike measuring Volts and Amps, PD measurements can be difficult due to the sensitivity of the measurement and environmental conditions out in the field. The UltraTEV Plus<sup>2</sup> has been designed



based on feedback from electrical engineers around the world and the result is a major breakthrough for the use of hand-held PD instruments. The UltraTEV Plus<sup>2</sup> tells the operator

if the measurements are real PD or if its noise or interference and can capture measurements and transfer them via Wi-Fi, meaning inspection staff can record data and move on to the next job. All the information is then available for PD and Asset Management experts to analyse the results; making comparisons, looking for trends and integrating the information into corporate Asset Management systems.

**T 0151 339 4181**

## Safer, stronger, smarter networks

EA Technology has been selected as a standout exhibitor at Plant & Asset Management 2016 for its profound level of industry-specific knowledge, professionalism and invention. The group raised a lot of interest whilst attending not only for their tangible commitment to providing a high standard of customer service but also because they were using the showcase to introduce their newest product, the revolutionary UltraTEV Plus<sup>2</sup>.

The user-friendly device, which is the latest variation to the award-winning UltraTEV<sup>TM</sup> range, is a portable system that incorporates additional sensing capabilities and real-time advances analytical features which determine distinctions between true PD, noise and other interferences to ensure complete clarity. This particular product makes asset inspection easy, as it is designed using skilful algorithms which assist the operator in making informed business decisions based on asset conditions.

The inclusion of a simple survey mode means results can be captured and transferred directly to computers or company networks through means of seamless Wi-Fi synchronisation or USB/SD card usage, identifying trends over time and optimising maintenance cycle and asset life. The fact the UltraTEV Plus<sup>2</sup> doesn't require the presence of a PD expert to be fully understood is another advantage that made the invention attractive to visitors at the dedicated trade event; prospective clients appreciated the fact that the device needs little training time.



Attendance at the three-day exhibition proved to be incredibly fruitful for EA Technology, who purposefully set out to make an impression whilst at the NEC in Birmingham from 12-14 April, as Key Account Director Jason Butler told us: "We launched the UltraTEV Plus<sup>2</sup> at Plant & Asset Management 2016 because we wanted to make a statement whilst exhibiting there for the first time. Our team enjoyed introducing the handheld product, which was really well received due to its advanced ability to interpret data in a categorised way; supporting clients in making important engineering decisions."

EA Technology's functional products and end-to-end services have effectively fulfilled the requirements of government bodies, commercial organisations and owners and operators of electricity networks working amidst the mining, petrochemical, process engineering, manufacturing, utilities, health, defence, and infrastructure markets. The UltraTEV<sup>TM</sup> family has been a fundamental part of the inspection process at busy

container shipping arena Port of Felixstowe, as the 10 UltraTEV Plus<sup>TM</sup> units employed onsite prevented catastrophic failure during routine testing. Having prohibited major disruption and delay, the products ensured safety and quality at the plant, which is why Port of Felixstowe has been heavily involved in the development of the new UltraTEV Plus<sup>2</sup>.

EA Technology is a reputable asset management solution supplier that has been operational since its foundation as the UK Electricity Council's Research and Development Centre in 1966. As a result, the group are looking forward to celebrating their 50th anniversary in September as a company focused on encouraging industry compliancy whilst bettering functionality and enhancing safety within power asset setup and control.

The high performance solutions have contributed massively to the improvement of modern power systems across the world, successfully maximising procedures in 90 countries. The competent support tools and dedicated services are readily delivered to clients courtesy of the company's 40-strong distribution network, which is put into effect with strategically placed satellite offices in the USA, Australia, China, Europe, Singapore and the UAE.

**Contact**  
**T 0151 339 4181**  
sales@eatechnology.com  
www.eatechnology.com

Product Launch

# The UltraTEV Plus<sup>2</sup>

Improving the safety and reliability of high voltage switchgear and cables just got easier with the new handheld Partial Discharge measurement instrument

**EA Technology: the partner of choice since 1966**

connect with us

Call: +44 (0) 151 347 2313  
Email: sales@eatechnology.com  
www.eatechnology.com

## Widescreen 15.6" AFL3 PanelPC family offers Core i7/i5/i3 processing power

The new AFL3-W15B-H81 from BVM Limited brings high-end computing power and speed to a 15.6 inch wide screen IP64 sealed PanelPC that is optimised for process and machine control on the factory floor. Standard panel, wall, rack, stand and arm VESA mounting options enable the unit to be positioned wherever required.



The 15.6 inch touchscreens feature either 5-wire resistive control with a RS-232 interface, or, to support multi-touch operation, projected capacitance with an internal USB interface. Running under the Intel H81 chipset, user-selectable processors range from a Pentium G3320TE dual core processor running at 2.3GHz to a 2.7GHz Core i5-4570TE dual core processor; up to 16GB of 1333MHz SDRAM is available. All processors are rated at 35W TDP and have intelligent thermal management. Options include a 2 megapixel camera with low light function, digital microphone and an amplifier and integrated speakers are standard.

Connectivity is selectable from 2 Gigabit Ethernet ports, IEEE 802.11 a/b/g/n/ac Wi-Fi and Bluetooth v4.0 communication capabilities are also provided.

One mSATA Slot and a 2.5 inch HDD bay are available for storage. I/O includes four USB2.0 and two USB3.0 ports, a RS232 and a RS232/422/485 serial ports, an audio line-out port and a HDMI port. The units operate from 9 – 30 V wide range DC power; AT or ATX power mode is switch selectable.

**T 01489 780144**  
**www.bvm-store.com**

## The new LV-67S embedded system board from BVM based on the Intel 6th Generation Skylake processor

Extending its Mini-ITX industrial grade embedded board portfolio again, BVM announces the LV-67S, which offers a 30% performance improvement and power reduction over Ivy Bridge based units. The LV-67S is aimed at graphics-rich, heavy computing environments where low power consumption is also a primary requirement for fanless operation in kiosks and similar environments. The LV-67S supports the Intel 6th Generation Skylake i7/i5/i3 series and Xeon® E3-1200 v5 processors, running under the Intel C236 chipset and mounted into a new format LGA 1151 socket. Two DDR4 DIMM memory modules up to 32GB running at 1866/2133 MHz can be fitted.



The platform is based on Intel® HD Graphics 530 that provides high-end media and graphics capabilities for devices that display videos, 2D/3D graphics and interactive content. In addition, LV-67S supports DVI-I, Display port, HDMI, CRT and LVDS to

provide its advanced solutions for imaging, machine vision and digital signage applications.

Extensive I/O is available. Four SATA3 ports supporting RAID 0, 1, 5 and 10, a PCIe x16 port, a full size and half size PCIe Mini card ports with optional mSATA support, a SIM slot, two Gigabit LAN ports, six USB ports and six serial ports are provided as standard.

**T 01489 780144**  
**www.bvm-store.com**

## Ultracut FBS II

Following the success of their initial foray into Concrete screw market the new product from fischer has several enhancements that are not solely focused on higher load levels and shear values but features that truly benefit the customer.

Concrete screws have sometimes been seen as an 'unsafe' alternative to a standard through type fixing, with the head especially being 'suspect' to some users. However the high performance concrete screws available today hold very little characteristics similar to the standard wood type screw, which is where many of the uncertainties are founded. Concrete screws in the construction market go through rigorous testing to ensure they conform to all ETA's and are as safe to use and any through type fixing. When using concrete screws the installation instructions should always be adhered to and users should look to use only ETA labelled products (where applicable for safety critical applications).

In UK construction, the use of concrete screws for more and more applications is becoming a growing trend. For many more applications, speed of insertion is a major factor to the installer and the reduction of installation time being an area that can be shortened when using a Concrete screw. With all other features comparable to the through type fixings and load values very similar, we should look to the future and expect the use of concrete screws to overtake the through bolt in many more applications.

Some of the key features of the new Ultracut concrete screw are in some instances unique, for example the unique saw teeth geometry that allows for easy and faster installation. The Screw itself can be re used several times, and a thread guide is available to aid the degradation of the thread. All of this has been introduced with the aim of saving the user time and money. Because of this, minor installation changes can be made during insertion up to 20mm. The screw can be loosened to allow for slight errors and embedment corrections. The saw teeth geometry and main thread geometry also enable the concrete screw to be installed



without drill hole cleaning (in certain cases). This is still in accordance to ETA-15/0352.

All screw sizes can be installed to 3 different embedment depths that offers the user flexibility over a vast array of applications and attachment thicknesses. Alongside these embedment depth options fischer are also releasing a short version of the concrete screw. Thus enabling, where appropriate a much reduced drill hole depth to ensure much quicker installation.

The load values are now significantly higher than many competitors to fischer and above

the previous version the fischer FBS, this is apparent in both tensile and shear loading levels. One of the key parameters to the installer is the small minimum edge spacing and edge distances, fischer claim to have one of the best and smallest values in the industry. They believe this can be more important to the installer than having an extra 5 or 10% higher loads than the competition.

However the truly innovative and unique feature is that the Ultracut Concrete Screw holds both C1 and C2 seismic approvals, guaranteeing the highest of safety standards and the first concrete screw to hold these approvals in the European market place.

fischer will be launching the Ultracut with diameters 8mm – 14mm in July followed by the 6mm diameter, more focused on the M&E market, and the stainless steel version towards the end of 2016. All 8mm diameter sizes will come with an embedded TX drive allowing the user to be truly flexible when installing into tight spaces or to have a choice on using a chuck or a bit for installation.

fischer are claiming that this is their best concrete screw to date that has come to market with several key features that stand out from the crowd, possibly even the best on the market place today. 2016 proposes to be a big year for innovation within fischer and the Ultracut is just the beginning.

**T +44 (0)1491 827900**  
**www.fischer.co.uk**

The high-performance concrete screw for absolute mounting ease.

The new ULTRACUT FBS II.

HIGHEST LOADS EVEN FOR MULTIPLE USES.  
The new concrete screw ULTRACUT FBS II of fischer is very easy to install due to its unique saw-tooth geometry. It ensures a quick cut into the building material and can be used multiple times.  
For more information go to: [www.fischer.co.uk](http://www.fischer.co.uk) or call 01491 827900

innovative solutions

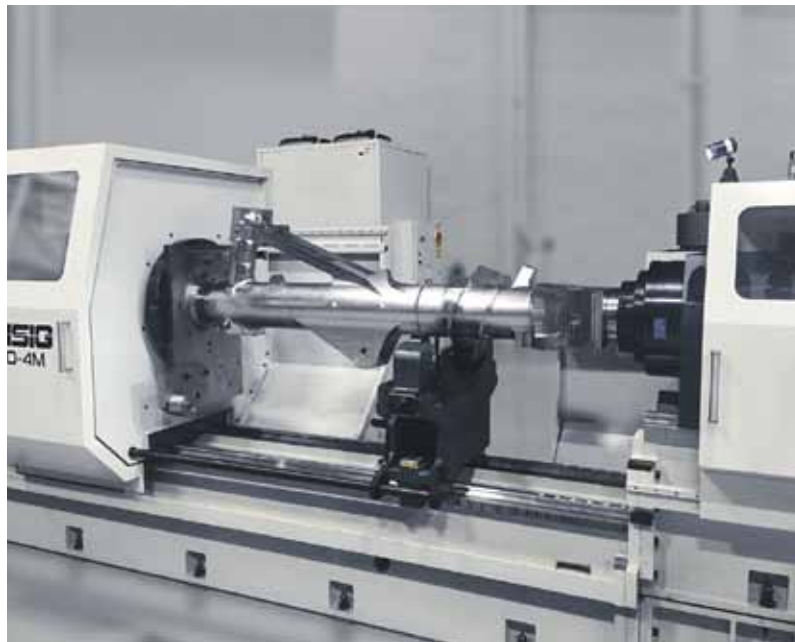
# Deep hole drilling systems

As the leading manufacturer of deep hole drilling systems and technologies, Unisig provides its ever-growing customer base with the tooling, accessories and automation necessary for work process optimisation.

Products have been designed specifically to meet the expected standards set by the industry (ISO, DIN and IEC where applicable). These tried and tested products which include BTA, gundrilling, trepanning and skiving machines as well as its tooling solutions and automation, have satisfied a range of industries including aerospace, automotive, energy and medical industries.

The company was founded in 1981 for the production of deep hole drilling equipment, as well as sales and service of VDF machine tools and in 1995 was acquired by Entrust Manufacturing Technologies, Inc. and relocated to its current headquarters in Menomonee Falls, Wisconsin, USA. Continuous development and innovation over the years along with experienced employees and a state-of-the-art manufacturing facility, has led Unisig to become a world leading manufacturer in the deep hole drilling industry.

"We are continuously upgrading our range in order to offer the most up to date technology to our customers," commented Philipp Steimle, Managing Director of the European Sales Department. "UNISIG machines are designed with purpose for a full range of deep hole drilling applications. They are developed based on years of experience with drilling applications, customer challenges and production environments.



"We are committed to continuously improving our business through investment, the use of technology and promoting a highly trained workforce."

The most recent innovation is the introduction of B700 Drop Bed Machine. Designed to effectively generate the critical, high-precision features on large and irregularly shaped aerospace components such as landing gear struts, the new drilling system gives a new lift to Aerospace Landing Gear Production.

One of its many benefits is its extreme flexibility which allows the machine to process medium sized, more uniform shaped workpieces with minimal changeover time from

one to another. In addition, the B700 offers an expansive working range with its servo programmable workpiece headstock capability, yet it sports a streamlined overall footprint that makes for space-saving installations and enhanced ergonomics. The advanced machine rivals other comparable deep hole drilling machines which are often inflexible dedicated systems as well as oversized and cumbersome.

The B700 machine expands UNISIG's extensive B-series line designed for on-center drilling of cylindrical workpieces in applications such as aerospace, defense and oil & gas. In addition to standard BTA drilling methods, these machines are also capable of counterboring, trepanning and skiving and roller burnishing processes, achieving the extremely strict tolerances required by manufacturers in these and other industries.



UNISIG engineers and manufactures all of its equipment in the United States with high-performance components. The company provides machines with all necessary durable tooling and machine accessories. Upon installation, UNISIG provides comprehensive training on machine operation and application support to help customers achieve production goals.

**T +44 (0)7125 9687590**  
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**DEEP HOLE DRILLING MACHINES, GUN DRILLING MACHINES, SKIVING MACHINES, DURABLE TOOLING, AUTOMATION & ENGINEERING**



### Machines + Tools + Automation

UNISIG deep hole drilling systems consist of machines, durable tooling, and automation, and are designed to meet the highest performance standards possible. Products are engineered and manufactured in the USA using metric hardware, and include the integration of premium components such as FAG, INA, Parker, Rexroth, Rohm, Schunk, SKF, Wittenstein alpha and ZF. Products are designed following all applicable ISO, DIN and IEC standards, and are exported worldwide.

### Recognised Precision

UNISIG deep hole drilling machines are proven with industry leading manufacturers in all regions of the world. UNISIG is chosen for the ability to consistently meet vital demands of tolerance. UNISIG stands out among industry players for its skill in handling large, complex projects including multiple machines and automation, process development and tooling testing, as well as custom engineering.

### Close to the Market

UNISIG GmbH Germany manages sales and service in Europe, and supports European customers' applications, including machines, tools, automation, and accessories. UNISIG's website features additional technical articles and reference materials, which are kept up-to-date as metal cutting technology continues to advance.



For more information, please contact **07125 9687590**

Email **info@unisig.de** | **www.unisig.de/en**

