

# Best Practice

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## Leaders in tape application automation

Enimac is an Italian developer and manufacturer of tape solutions, boasting a strong client base that stretches over 20 countries. The company divides its business into three areas: standard tape application machines, custom tape application systems and tape applicator integration projects.

The company's mission is clear, "Our goal is to make our clients more productive by eliminating the production bottleneck associated with tape application. We intend to become an international reference point in the industry by providing customers high quality, functional design and production of adhesive application machines."

Excited clients are saying such things as, "We have saved so much money



in labour and time going with this machine. What used to take us 6 guys 7 days by hand, now takes 2 guys 2 days. This machine is very user friendly."

"We are able to process a very matte and very black card. I did not think this would work as none of the electronic eyes in our printing presses 'see' this material, but it works just great on your machine."

The lack of compressed air means the machines have very low maintenance costs and are fully mobile. All production parameters are quickly and easily entered into the touchscreen. Enimac's patented paste and cut system guarantees speed and accuracy, as well as the ability to cut and apply a variety of adhesive tapes. The tape applicators are individually programmable and easily read and apply tape to white, coloured, black, transparent and die-cut substrates



of many materials including paper, cardboard, plastic, metal, and more.

Enimac's X-treme PRO is particularly popular, renowned for its ability to accommodate even the largest formats of offset printing, plus numerous other formats of digital printing. Tape posters, folders, business cards, FSDU's and much more.

In the UK, Ireland and Poland, you can get Enimac products through their official distributor Newtown Packaging ([www.tapemachines.co.uk](http://www.tapemachines.co.uk))

For other international inquiries, contact Enimac directly at: [www.enimac.it](http://www.enimac.it) or [info@enimac.it](mailto:info@enimac.it)



Download on the  App Store



**Alpha Converting**  
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**Unisig**  
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### Complete Solutions for your business

#### What is Connected Workforce?

Our cloud-based software is a workforce management system designed to specifically address the challenges within the Facilities Management and Cleaning Sectors.

With the ability to tailor Connected Workforce FM and Cleaning software to fit around how you work, to roster staff, instantly create timesheets, run payroll and invoicing, mileage costs and monitor your service delivery with ease

Whether you are a total FM or cleaning provider, multi-service or single service provider, our solutions are designed to fit your unique business needs.

Built specifically for the facilities management and cleaning sectors, let Connected Workforce work with you to deliver the highest quality service



Save Time



Fully Customisable



Save Money



Flexible



Connected Workforce™

01865 890 883 - [info@connectedworkforce.co.uk](mailto:info@connectedworkforce.co.uk) - [www.connectedworkforce.co.uk](http://www.connectedworkforce.co.uk)

## Oil Condition Monitoring Technologies

Tan Delta Systems was first established in 2007 by Chris Greenwood (Managing Director) and Rick Booth (Principal Technical Lead). Based in Sheffield, South Yorkshire, the company specialise in the development and supply of advanced oil condition monitoring technologies, products and systems. With over 50 distributors worldwide, Tan Delta are the global industry leader with customers including numerous OEMs and Blue chip clients in sectors such as power generation and mining and mineral processing.

Tan Delta have a fully integrated product portfolio all engineered and developed from the initial core product, the Oil Quality Sensor (OQSx). The OQSx is small, robust and can be quickly installed and connected to virtually any existing display or telematics system. The modular product portfolio enables easy and simple deployment of Tan Delta condition monitoring on any equipment operating in any environment, supported by their range of complementary data logging, display and gateway solutions including remote monitoring via the Tan Delta Online cloud solution.

Unlike other Oil Sensors on the market, Tan Delta provide their own patented Full Spectrum Holistic



(FSH) monitoring, guaranteeing any change in quality is instantly identified, accurately measured, and reported. This unique real-time capability ensures that oil condition is continually monitored and that nothing is missed.

Tan Delta's plans for the next quarter of 2018 include the ongoing development of their next generation FSH Oil Sensor and the much anticipated launch of the new ATEX Compliant (Ex ic IIA T3 Gc) Oil Quality Sensor (OQSx) in April. This sensor is designed to monitor oil condition in industrial applications where there is a potential risk from explosive atmospheres including those used on fixed offshore platforms, petrochemical plants, mines, and mills, amongst others.

Contact  
T +44 (0)845 094 8710  
[info@tandeltasystems.com](mailto:info@tandeltasystems.com)  
[www.tandeltasystems.com](http://www.tandeltasystems.com)



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**Enimac**  
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## City & Guilds Power Industry Qualifications

EA Technology now offers the City & Guilds level 2 Certificate in Electrical Power Engineering - Transmission and Distribution (2339-17) as both a structured, taught programme and as a distance learning course.



APPROVED  
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This flexible distance learning programme is one of the only Level 2 qualifications that is specific to the power industry. It has been developed by the power sector to deliver the fundamental skills and knowledge required for career progression in HV electrical engineering.

The certificate is recognised by the industry's leading employers and has been designed to fit in with the demands of candidates' jobs. It enables learners to progress at their own pace, with self-study supported by online tutorials and assistance from academic and industry tutors.

Candidates can progress on to our City & Guilds level 3 Diploma in Electrical Power Engineering - Transmission and Distribution (2339-42).

For more information on our qualification courses call: 0800 028 9983 or email: [powerskillscentre@eatechnology.com](mailto:powerskillscentre@eatechnology.com).

## SSEN seeks views on managed charging solutions



Scottish and Southern Electricity Networks (SSEN) has today (23 March) launched a consultation on Managed Electric Vehicle Charging, seeking views on proposed solutions to help avoid potential overloads on local electricity networks caused by sharp increases in the use of electric vehicles.

The consultation forms part of SSEN's Smart EV project, undertaken alongside technology partners EA Technology and supported by GB distribution network operators. The project, funded by Ofgem's Network Innovation Allowance, set out to review and research charging solutions that will allow the transition to electric vehicles to take place with minimum disruption to customers and avoiding unnecessary network reinforcement.

Local electricity distribution networks are designed around traditional energy use patterns and, as progress accelerates towards the electrification of transport, network operators currently have limited visibility of the scale and 'clustering' of new electric vehicles until they occur.

The primary focus of the consultation is to seek views on an interim solution to address emergency situations, where local networks have faulted, or are likely to fault, based on a rapid increase in demand. The proposed solution involves installing a device at both the local substation and, as an option, in domestic properties to monitor load and temporarily adjust EV charging where required.

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## Save over 55% on Energy in Plastics Extrusion Industry

BluVac: Intelligent compact unit substantially reduces energy costs

BluVac units from Speck ABC UK Ltd reduce energy consumption by controlling vacuum required by the process. The highest energy saving is reached using optimised calibration tools with minimal air leakage. 67% savings have been achieved in tests.

Sensors continuously measure



adjusts the speed of both vacuum and water pumps.

Speck ABC UK Ltd are also the SOLE UK distributor for Speck liquid-ring vacuum, side-channel, regenerative turbine, hot oil and centrifugal pumps.

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[www.speck-abc.com](http://www.speck-abc.com)

pressure levels in the system and water levels in the separator tanks. From this data: the Controller automatically



**Alpha**  
converting  
International converting

Manufacturers of slitting, winding and spooling machinery to the international converting industry

## Converting Equipment Manufacturers



Established in 1999, Alpha are experts in the design and manufacture of converting equipment such as spooling machinery and slitting machines. Our machines are manufactured for the international converting industry but mainly used by printing and packaging companies across the world.

The team of specialists at Alpha all have years of experience assembling converting machines which includes equipment such as slitting machines,

winding equipment, spooling machinery, salvage doctor machines, trim winders, and even bespoke converting equipment.

Over the years we have manufactured many different machines and equipment that are used for the converting industry. It all started with the high speed spooler which launched in 1999 to the more modern pieces of converting equipment like the automatic winder and the traversing spooler.

[www.alpha-converting.co.uk](http://www.alpha-converting.co.uk)

Please contact **01234 607005**

Email [sales@alpha-converting.co.uk](mailto:sales@alpha-converting.co.uk)

# Converting Equipment Specialists

Best Practice UK is extremely proud to announce that Alpha Converting has been awarded the Company of the Year 2018 award for its outstanding products and services to the Converting Industry.

First established back in 1999 by Simon King as a manufacturer of bespoke converting machinery and operating out of a 35,000 sq ft factory based in Bedford, Alpha Converting initially solely produced high-speed spoolers, but as the company progressed and expanded, they also began manufacturing converting equipment, including slitter rewinders, unwinders and rewinders, trim winders, automatic winders and many more.

Alpha Converting has developed a name for themselves around the world as one of the premier places to go for



technical engineering needs and converting expertise. They have clients around the world from a wide array of industries, including some of the biggest global names in the print and packaging industries, Paper and foam manufacturing and work with clients across America, Brazil, Australia, China, Korea, Russia, Germany and the UK.

Among their many products is the Duplex HR Slitter Rewinder, a particularly lauded product renowned in the

industry for its many features. As well as featuring smart design solutions, such as keeping the web overhead to prevent any contact with dirty floors or other surfaces, the Slitter Rewinder also features cantilevered winding shafts with swing away support, precise tension control, powered roll stripping and much more.

Alpha also specialise in web handling and product handling, which gives them a strong advantage compared to other converting machine manufacturers. It is thanks to this strong

command of the entire web handling process that Alpha is able to produce their many converting equipment products of such high calibre.

For further information or general enquiries, please visit the Alpha Converting website. Alternatively, you can contact the company via telephone or email with the details listed below.

**Contact**  
**T +44 (0)1234 607005**  
**sales@alpha-converting.co.uk**  
**www.alpha-converting.co.uk**



Manufacturers of sitting, winding and spooling machinery to the international converting industry

Established in 1999, Alpha are experts in the design and manufacture of converting equipment such as spooling machinery and slitting machines. Our machines are manufactured for the international converting industry but mainly used by printing and packaging companies across the world.

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Over the years, we have manufactured many different machines and equipment that are used for the converting industry. It all started with the high speed spooler which launched in 1999 to the more modern pieces of converting equipment like the automatic winder and the traversing spooler.



Please visit our website at [www.alpha-converting.co.uk](http://www.alpha-converting.co.uk)

Tel: 01234 607 005 | Email: [sales@alpha-converting.co.uk](mailto:sales@alpha-converting.co.uk)



# Opti-Diesel is ready to half UK fuel emissions

Opti-Diesel is a patented fuel additive specifically designed to improve fuel consumption – generating significant cost savings and reducing greenhouse gases and other harmful emissions. It's been found that introducing Opti-Diesel to the national fuel supply chain would be the equivalent of removing 50% of vehicles from the UK roads.

Opti-Diesel is a world first catalyst in the fuel industry. The way this works is that the additive lowers the amount of energy needed to cause the fuel to combust. Thereby, reducing greenhouse gas carbon dioxide emissions. Just 0.26ml of Opti-Diesel is needed to make 1 litre of fuel more efficient.

Opti-Diesel uses a unique combination of reactions, including fuel use reductions and catalytic reduction, in order to significantly slash the amount of harmful and toxic emissions released from the vehicle.

The additive has no negative impact on existing emissions controls system or engine wear. Opti-Diesel can be used with practically any vehicle as the additive requires no specialised equipment to install or utilise, and it requires no modifications to the existing vehicle's engine.

**Case Study 1:** A global mining firm added Opti-Diesel to their bulk refuelling tanks via a calibrated dosing system. Over the course of a year, they experienced a 12.34% reduction in fuel consumption, a 75% reduction in carbon monoxide, a 99% reduction in Nitrogen Monoxide emissions and a 55% reduction in Nitrogen Dioxide emissions, leading to 91% reduction in total Nitrogen Oxides, and finally a 47% reduction in harmful diesel particulate matter.

**Case Study 2:** The first test on a 26 tonne Scania with a Euro V engine showed a smoke/opacity level of 0.22. The vehicle then had Opti-Diesel added to its fuel and was re-tested after travelling 980 miles since the first test. The second test showed an opacity/smoke level of 0.05. A reduction of 77.27%, which is consistent with previous results on earlier engines.

Testing on a range of different engines under both laboratory and live conditions in different

countries including the UK have all recorded a range of improvements in fuel consumption and reductions in emissions. The range of improvements is significant, outstanding and impressive.

If you are looking to reduce the carbon footprint of your vehicle or even fleet of vehicles, and

would also like to save some money or you would like further information on the company or product then get in touch...

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Reducing emissions, **improving efficiency**

**Opti-Diesel is a fuel catalyst that saves you money and has the potential to help save the planet.**

Developed in the United States, nurtured in the United Kingdom and tested around the world, it reduces emissions and improves efficiency by lowering the energy needed to make fuel combust. This means less fuel is needed for the same amount of work to take place. It can be added to fuel at distribution points, directly in individual fuel tanks during refuelling, or in certain cases, via direct injection into the fuel as it is pumped into an engine.

It is easy to use, requires no change to tanks and has no impact on existing emissions controls system or engine wear. Simply added directly to fuel, it can be used in small amounts poured directly into a vehicle's engine or into bulk tanks when deliveries are made.



Please contact **01422 349118**, email [contact@opti-diesel.com](mailto:contact@opti-diesel.com) or visit our website [www.opti-diesel.com](http://www.opti-diesel.com)

## Specialists in the Electrical Industry



First established in 1966 as a research and development organisation that served the electric industry, EA Technology specialises in asset management solutions for those involved in electrical assets. Customer service is at the heart of the company which is why EA Technology is proud to say that they are committed to providing their customers with innovative products and services, as well as consultancy and training that delivers benefits for clients businesses, which allows them to create a safer, stronger and smarter networking facility for now and the near future.

One of EA Technology's newest and highly sought-after products are the UltraTEV Detector<sup>2</sup>. This product has beneficial features such as a dual-sensor technology, a clear display (including green, amber and red LED indicators) and is most importantly, is easy to use. Benefits of the UltraTEV Detector<sup>2</sup> include: being able to detect faults before they turn into failures, is a personal safety device, it can instantly test for critical PD activity, minimal training is required to work the equipment and it is low cost to run but allows high productivity.

T +44 (0)151 339 4181  
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[www.eatechnology.com](http://www.eatechnology.com)



The UltraTEV Detector  
"Don't enter a substation without one"



**80% of substation failures are related to partial discharge\***

Use the UltraTEV Detector to help meet the requirements of Health and Safety Executive 'HSG230 Keeping electrical switchgear safe' that states 'You should assess the switchgear and the electrical network to identify any potential risks and problems'

**Enhance your HV Safety with this 'first pass' asset condition tester!**

\*IEEE Transactions on Industry Applications, (Volume 38, Issue 5, 2002)

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Smarter Networks

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Contact: [sales@eatechnology.com](mailto:sales@eatechnology.com)

# Where quality is the watchword

At ChinaSavvy, quality is paramount and we always meet - and very often exceed - our customers' requirements and expectations.

ChinaSavvy has 15 years' experience in sub-contract manufacturing and we have delivered world-class engineering services around the globe.

Whether you are a small business or a blue-chip global corporation and you want metal or plastic products designed and manufactured to the very highest standards, make ChinaSavvy your first call. Talk to us about your casting requirements, metal fabrication, precision machining and production using plastics and carbon fibre - ChinaSavvy

offers 19 different metal processes, including six different methods of casting such as sand casting, die casting and permanent mould gravity casting.

As well as casting, ChinaSavvy can source a variety of precision machining processes and we are acknowledged as an outstanding, world-class CNC machining company, offering superb milling and turning.

In precision metal fabrication we can produce extremely high-quality parts for very competitive costs, whether using laser cutting, plasma cutting, water jet cutting, punching, stamping or hard material cutting using electric discharge machines (EDMs).

When manufacturing in plastic (and producing prototypes in just a few days), we offer injection moulding, blow moulding, polyurethane moulding, profile extrusion, film extrusion, thermoforming, vacuum forming and rotational casting.

Above all, we have an unrivalled commitment to quality assurance, communications, logistics and customer service.

There's nobody in the world quite like ChinaSavvy so get in touch now and we'll do the rest.

T +44 (0)808 123 0080  
www.chinasavvy.com



## World-Class Engineering and Manufacturing at China/Vietnam Prices



British owned and managed. Offices and engineers in China and Vietnam

British owned and managed ISO 9001-2015 company situated in the hearts of both industrial China and Vietnam. We provide world-class engineering and manufacturing to blue-chip companies in UK, USA, Australia, Japan and many other countries. And we help to protect your IP through careful security management.

### Castings

Sand castings, Gravity casting, Investment casting, Die castings, Lost foam castings and Shell castings

### Fabrications

Up to 5 axis laser cutting, CNC punching, CNC bending, Stampings, Welding, And much more.

### Precision Machining

3, 4 and 5 axis CNC milling, CNC lathe turning.

### Other

Injection moulding, Rotational casting, Finishing, Plating, MIM (Metal Injection Moulding), Sintering, Aluminium extrusion, Micro welding.



**CHINA:** GUANGZHOU | XINTANG | JINAN **VIETNAM:** HO CHI MINH CITY  
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Tel: UK: +44 (0) 808 123 0080 / CHINA: +86 20 8388 7080  
Email: uksales@chinasavvy.com Website www.chinasavvy.com

## Get Savvy with your Metal and Plastics Processes

ChinaSavvy was established in 2003 by Christopher Devereux. With the main offices based in Guangzhou, China, the company specialises in providing world-class engineering and manufacturing outsourcing in China and Vietnam for Western companies.

Working in a range of different sectors - including industry, mining, pumps, radar and medical - ChinaSavvy offers such manufacturing services as metal casting, precision machining, metal fabrication and many other metal and plastics processes.

Not only is customer service and offering cost-effective products at the heart of the company, but ChinaSavvy stands out from its competitors in the way that it has a genuine passion for quality throughout its design and production processes in China and Vietnam. Its commitment to quality has seen ChinaSavvy working to ISO 9001-2015 for the past eight years and the company is now working towards Aerospace AS 9100.

The company has gone from strength to strength through its excellent communication skills and by delivering at competitive prices. ChinaSavvy continues to grow and has recently set up its sister company, VietSavvy, which has an office based in Vietnam with engineering staff that manage all the production processes.

ChinaSavvy recently exhibited at the Southern Manufacturing and Electronics show, where the company showcased its products and services to existing clients and new customers. The show is the largest regional manufacturing technology, electronics and subcontracting exhibition and visitors are able to meet over 600 top suppliers and attend free seminars.

As well as the Southern Manufacturing and Electronics show, ChinaSavvy attends major trade shows such as SubCon in Birmingham. The company has had huge success in exhibiting its products at these shows, exceeding all expectations. Later on this year, the company will also be exhibiting at various trade shows in America.

For further information, general enquiries or a no-obligation quote for a project, visit the ChinaSavvy website [www.chinasavvy.com](http://www.chinasavvy.com). Alternatively, you can contact the company via telephone or email.

**Contact**  
T +44 (0)808 123 0080  
uksales@chinasavvy.com  
USA & Canada  
T +1 (800) 967 2110  
ussales@chinasavvy.com

**China & Australia**  
T +86 20 8388 7080  
F +86 20 8327 7425  
gzoffice@chinasavvy.com  
www.chinasavvy.com



# Deep Hole Drilling Specialists



UNISIG was established in 1981 by the Swiss Industrial Group (SIG) which was a member of the VDF Group; the company has since then been acquired by Entrust in 1995. With the head office, production centre and engineering centre based in Menomonee Falls, USA, and the sales and support office for Europe is based in Germany, the company specialise in deep hole drilling machines and services for machines, tools and automation.

Customer service is at the heart of the company; UNISIG is proud to say that they have a customer base across many sectors and industries such as oilfield, aerospace, defence, hydraulic cylinder production, automobile industry. The company provides nothing but the best service for all of their customers, whether it is general

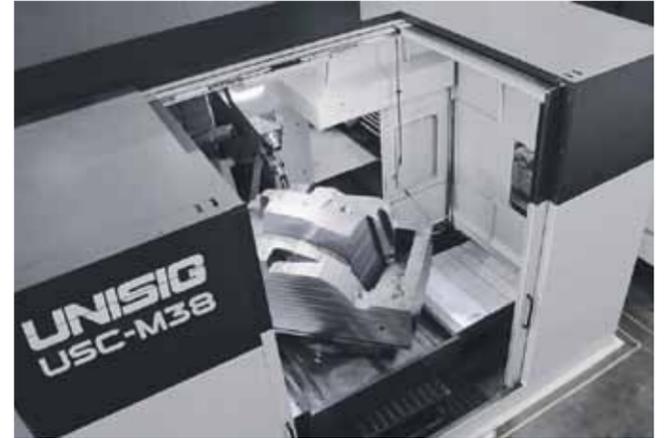


advice before purchasing, at the time of purchasing or even after service.

UNISIG have completed turn-key projects that have allowed them to gain knowledge and confidence in helping the company take on any takes within the deep hole drilling industry. Boasting their contestant and consistent workload, UNISIG can happily accept more workloads, keep tighter tolerances and aim for faster set up times than most competitors because of their great expertise.

Specific machines can be found via hole specification, process type, industry or even availability. UNISIG have launched new products; series B600R and B850. These new machines allow the rotation of components with features such as landing gear, not only does this drill with accuracy and precision but can be tailored for use with minimal setup times.

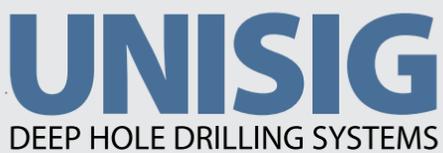
The company attend exhibitions such as the EMO show in Hannover, the IWA show in Nuremberg, the AMB show in Stuttgart and the IMTS show in Chicago where they



are able to showcase all their innovative products and amazing services.

For further information or general enquiries, please visit the UNISIG website. Alternatively, you can contact the company via telephone or email.

T 0049 71259687590  
[www.unisig.com](http://www.unisig.com)



## Engineering and Manufacturing

UNISIG machines are engineered and manufactured by people that understand machine tools and are passionate about precision and performance.

We believe that engineering and manufacturing should work closely together in order to achieve the best combination of performance, reliability and value. A strong material control group, experienced management and the use of business intelligence technology brings everything together.

Our engineers are trained with advanced 3D modeling and simulation tools, which allows us to create virtual prototypes and involve technical staff and customers in design reviews to improve our concepts before bringing them to life.

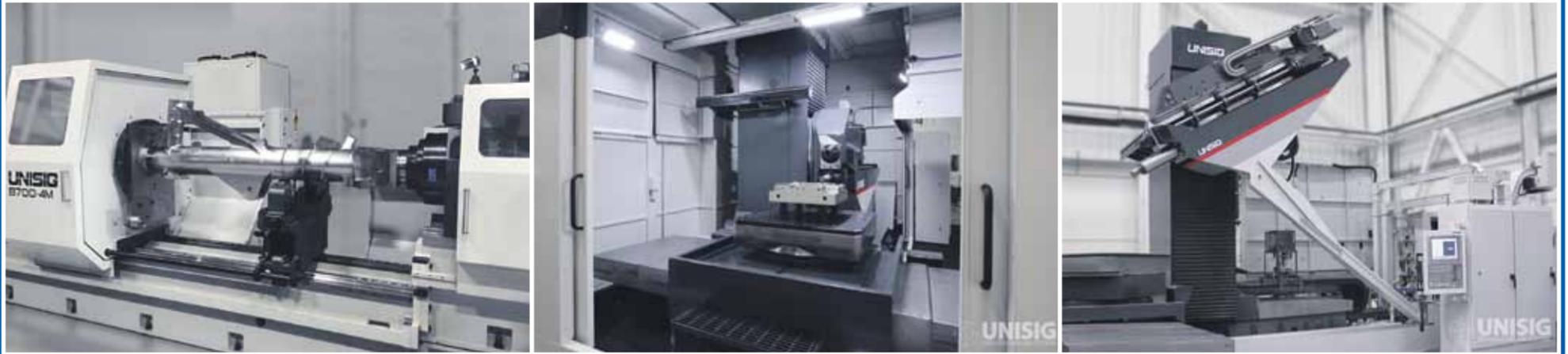
Critical components are manufactured in our main facility in Menomonee Falls, Wisconsin. We have invested in equipment, tools and training that allows us to efficiently machine complex, precision parts with uncommonly accurate results.

Our castings, forgings and weldments are sourced from providers near our facility in the Midwest and we maintain long-standing relationships with high quality providers of heat treatment, coatings and other specialty services required to produce high performance equipment.



For more information, please visit [www.unisig.com](http://www.unisig.com)  
contact +49 (0)7125 9687590 or email [info@unisig.de](mailto:info@unisig.de)



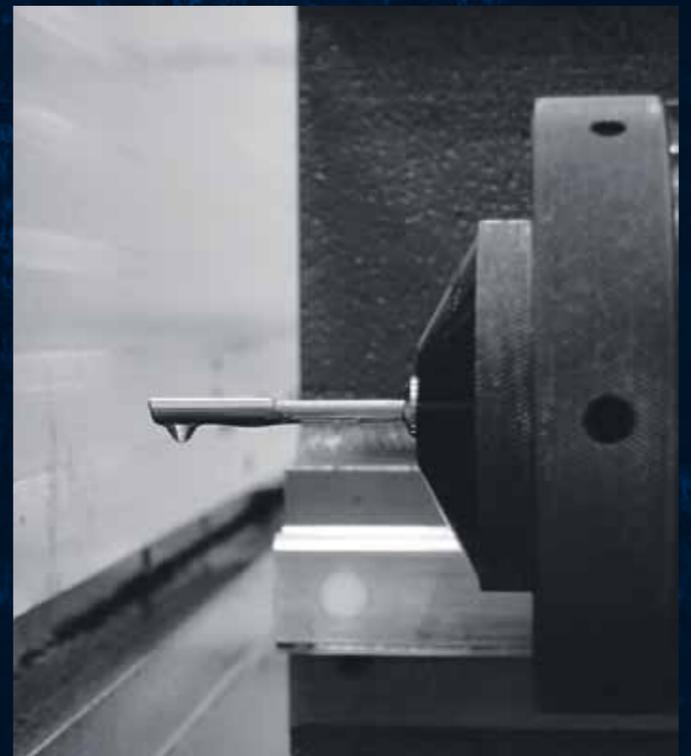


UNISIG is one of the largest producers of deep hole drilling machines and a leader in technology, innovation, support, and service that our customers rely on to be competitive. Our customers include small job shops looking to expand their capabilities, to large OEM's that need to drill millions of holes.

We offer the entire deep hole drilling system – machines, tools, and automation. We provide technical expertise, training, and remote as well as on-site service to help maximize the value of the investments our customers have made.

UNISIG machines are engineered and manufactured in the USA for our global customer base. Our machines can be installed and supported anywhere in the world. We have installations in the Americas, Europe and Asia and provide the technical support and service our customers need to stay productive through the life of the equipment.

We believe our success stems from a very strong understanding of the deep hole drilling process, drilling tools and their applications. We have a long history of achievement, regardless of the technical challenges.



For more information, please visit our website: [www.unisig.com](http://www.unisig.com)  
 Tel: +49 (0)7125 9687590 | Email: [info@unisig.de](mailto:info@unisig.de)

Safer, Stronger  
Smarter Networks



# The UltraTEV Detector

“Don’t enter a substation without one”

**80% of substation failures are related to partial discharge\***

Use the UltraTEV Detector to help meet the requirements of Health and Safety Executive ‘HSG230 Keeping electrical switchgear safe’ that states ‘You should assess the switchgear and the electrical network to identify any potential risks and problems’

**Enhance your HV Safety with the ‘first pass’ asset condition tester!**

\*IEEE Transactions on Industry Applications. (Volume: 38, Issue 6, 2002)

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# Specialists in Freeze Drying

Biopharma Group has six core divisions to the business: Equipment Sales, Lab Services Consultancy, Biopharma Technology LLC (dedicated USA division), Biopharma Technologies France, BPS Crowthorne in Ireland and Crowthorne Hi-Tec Services (CHTS).

The organisation is passionate to ensure that their customers get the best results from any equipment or instruments that they purchase from any division within Biopharma Group. The



company has actively sought to produce, and continue to invest in the development of, the most advanced analytical instruments available to those using freeze-drying technology as part of their process, predominantly with the user experience and results being the driving force behind the design.

Biopharma has actively produced and continues to invest in the development of the most advanced analytical instruments



The Leading Supplier of equipment to pharmaceutical, biotech and process industries

available to individuals using freeze-drying technology. Biopharma is perhaps the only company worldwide working in the field of freeze drying that, in addition to research services and training programs, develops unique analytical instruments to advance the science of freeze drying. Biopharma's product portfolio has recently integrated the new Freeze Drying Microscope Lyostat5, with upgraded features along with the next generation Electric Impedance Analyser, Lyotherm3, which has unmatched sensitivity to detect crystal mobility and hidden structural rearrangements.

We asked Charis of Biopharma Group what the company's aim is, she responded, "Our aim is to provide our customers with equipment and/or services that best meet their process requirements while remaining on-hand to provide advice and assistance thereafter; it is our expertise and ability to be a 'one-stop shop' when it comes to freeze-drying technology and lab processing equipment that keeps Biopharma at the forefront of our field."

She added, "The key to our success is the many combined years of experience and expertise in the processing industries and our in-depth knowledge of the equipment we supply. We also have an experienced technical service/maintenance department and strong links with our suppliers enabling us to support the working life of the equipment. Additionally, our on-site freeze drying laboratory in Winchester, UK, offers a range of services in product and process development, analysis and R&D."

The company has three collaborative instrument development projects that they are working on alongside two other UK companies, that they will be excited to bring to the market in the upcoming months.

For further information or general enquiries, please visit the Biopharma website. Alternatively, you can contact the company via telephone or email.

Contact  
T +44 (0)1962 841092  
[www.biopharma.co.uk](http://www.biopharma.co.uk)

We are proud not to be a catalogue company. Our aim is to provide you with equipment that best meets your process requirements and to remain on-hand for whatever advice and assistance you might need. The key to our success is our years of experience in the processing industries and our in-depth knowledge of the equipment we supply. We have an experienced service department and strong links with our suppliers to enable us to support you throughout the life of your equipment, and our on-site freeze drying laboratory offers a range of services in product and process development.



Whatever your project, make the most of our expertise – talk to one of our sales team today.

Please visit [www.biopharma.co.uk](http://www.biopharma.co.uk)  
T +44 (0)1962 841092 | [bps@biopharma.co.uk](mailto:bps@biopharma.co.uk)



# Storage System Specialists

BITO Storage Systems is the UK subsidiary of BITO-Lagertechnik Bittmann GmbH, a market leading manufacturer and supplier of storage and picking solutions to retail, industry and logistics companies.

BITO has been operating in the UK since 1999 from offices based in Nuneaton, Warwickshire. The team, formed of 30+ people, offer services such as extensive stock holding, fast-track delivery, solution design, project management and advice & after sales support. Customer service is at the heart of the company which is why they listen to their client's requirements, making sure they exceed satisfaction from concept all the way to completion.



The company specialise in providing storage equipment and order picking systems for a broad range of applications. These products range from line side storage in manufacturing to e-commerce fulfilment in retail and small parts storage in general logistics operations. BITO Storage Systems are proud to say they provide skilled services, expert designs and installation, and manufacture their own products in Germany, alongside supplying UK manufactured products.

BITO is a one-stop shop and offers additional products that do not require design or installation such as shelving, racking, bins and containers, and, warehouse handling equipment. The



company's products and services assist those who come from manufacturing backgrounds, logistics and e-commerce market sectors such as automotive, pharmaceuticals, retail and clothing.

The BITO website showcases solutions

and projects that the company are capable of providing to their clients. In addition to this, clients are allowed to visit the Experience Centre in Nuneaton, where they can see products first hand. Visiting the Experience Centre allows clients to appreciate the quality of

BITO products, see how products and systems integrate, test and refine the design of their solution and discuss their requirements with the BITO team.

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# Specialists in Storage

Established in 1937 by Fritz Schaefer, SSI Schaefer is a German, family-owned business. With the headquarters based in Neunkirchen, Germany, the company are proud to say they have more than 55 subsidiaries worldwide and have nearly 10,000 employees. Andover, Hampshire is home to the UK operations side, purchasing, finance, design, and general sales as well as the UK distribution centre. The rapidly expanding Midlands-based operation at Towcester houses Automation Sales, IT, Customer Services, Marketing and Project Management.

SSI Schaefer specialises in the supply of

automated materials handling solutions and storage equipment. For over 75 years, the company have been involved in developing systems which enable them to provide customers with solutions that are tailored for the storage of their products. The company's product portfolio ranges from pallet racking, shelving storage systems and metal & plastic containers through to complex automated storage and retrieval systems and IT control.

Customer service is at the heart of the company which is why they see their customers throughout the whole process, from buying to



installing and aftercare. We asked Mike Alibone of SSI Schaefer what the company's plans for the future are, in which he responded, "Our customer base is as diverse as our product portfolio, which enables us already to offer solutions to almost all areas of industry. As an organisation in the UK, we will continue to grow - particularly as we complete more installations which become reliant upon our providing an ongoing support and maintenance service."

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Our structures conform with building regulations for wind and snow, whether using galvanised steel, Glulam wood or aluminium with a PVC covering or steel cladding to different specifications.

In offering full turnkey projects, starting with the correct design, through planning (if required) and onto installation including lighting, doors, groundworks and a number of other additions, we endeavour to make the process as pain free as possible. In doing this, we're willing to work over weekends and schedule works to suit your business timescales.

For more information, please have a look on our website where we're sure you will find a structure perfect for your business; [www.coprisystems.com](http://www.coprisystems.com) alternatively, call our office on +44 (0)1380 830697.



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Over time, we have become aware of the additional complexity and financial burden that implementation and maintenance of SaaS products is causing users. The problem is that the headline figure for SaaS is, more often than not, just a headline figure. It does not include the cost of setup, support and maintenance. This is why Revo has developed **EaaS or Everything as a Service**.

Everything as a service means everything is included. Setup, configuration and implementation, the user credit or license, support and ongoing upgrades are all covered by one simple monthly fee. For us, this is what true SaaS should be about: simplicity, reliability and financial certainty.

### How does EaaS work?

Much like a standard SaaS model, you pay a monthly credit fee per user. This credit provides each user with access to all the services outlined above. What is more, the credit is only used up when the user accesses the system in any given month. This means that if you have staff out on extended leave or a reduction in team numbers, the credit can either be allocated to another user or simply banked for later use.



### Want to learn more?

Revo Service Management is providing ITRP via their EaaS model throughout the UK and northern Europe. If you would like to learn more about EaaS, we would love to hear from you.

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[itrp.co.uk](http://itrp.co.uk)

## Leaders in sanitation

The Midlands based company was first set up as a provider of sanitation, targeting the leisure and marine markets. However since then, the business has expanded year upon year and as such, the business now caters to a range of industries, including the domestic, commercial, industrial and welfare sectors.

Providing marine sanitation to include, complete packages, spare parts, service kits and tools, LeeSan not only supply to a vast array of different clients but also manufacture and provide design service, maintenance and technical support. They are strategically located in Warwickshire near major transport links with a warehouse in Fenny Compton that covers

6,500sq. ft of space. They stock a wide range of spare parts and accessories from all the biggest sanitation manufacturers worldwide.

LeeSan supply a large variety of different sanitation and plumbing components including: toilets, hoses and pipe fittings, tanks, spare parts for toilets and pumps, consumables, tank accessories, self-pump out kits, service kits, flush water treatments, water systems, bilge water filtration, seats and lids, waste transfer systems and a whole host more.

When it comes to sanitation solutions, LeeSan are a cut above the competition, offering equipment for log cabins, caravans,

steam trains, event toilets, caravan toilets, corporate hospitality toilets in even the most remote locations. They also offer cutting edge pump out equipment, having worked with some of the largest and most prestigious marinas in the UK, Europe and the Middle East.

A part of LeeSan's reputability comes from the fact that they are members of British Marine and even have staff on the BM Council, BM Environmental committee, BM Thames Valley committee, the UK Harbour Masters Association and The Yacht Harbour Association.

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## Precolor: Specialists in WRAS approved water tanks



Precolor are the proud manufacturers of the largest range of WRAS approved water tanks in the UK. Precolor also offer a range of Semi Sectional Water Tanks and Sectional Water Tank Panels that can be made to specific sizes.

Precolor began as a partnership over 50 years ago and by 1975 were officially registered. Precolor are also a family owned company that have spanned a number of generations. Since their initial establishment, the company have grown considerably and in recent times, Precolor has begun to lay the foundations for the British and European standards. Interestingly the company were part of the working group that drew up the standards that all approved water tanks now comply with.

Precolor are opportunely based in the Midlands, enabling easy access to all parts of the UK, including ports for exporting. Precolor design, manufacture and install all of their products, permitting control of production schedules and costs, whilst keeping overheads to a minimum. The company also champion invested into research and development to strive towards the introduction of new innovative solutions.

Moreover, Precolor's GRP one piece water tanks have been specifically designed to meet the stringent requirements of BS EN 13280: 2001. All of Precolor's tanks are also fully tested and approved for current water regulations and are specified throughout the UK by Country and District Councils, Consulting Engineers and Architects. In addition, Precolor's tanks are light in weight, easily handled and resistant to corrosion and attack from bacteria, which can be expected in cold water systems.

Precolor can also manufacture standard specialist tanks to store a wide range of different chemicals. These tanks can be manufactured in either a standard grey colour or to a specified RAL colour, depending on their client's requirements. Other popular options consist of either a British Racing Green or a British Racing Blue.

Precolor also offer pre-insulated water tanks. These tanks can protect contents from extremes of heat and cold which reduce excessive temperature fluctuations that can increase the risk of bacterial growth. Insulation is available in 25mm, 50mm, 75mm or 100mm. The insulation itself consists of expanded CFC free polyurethane foam encapsulated in both the lid and tank sides. Precolor's pre-insulated tanks can be situated inside or out, without the need for any additional enclosures.

If you would like any more information on Precolor, visit their website:

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



### Specialist Water & Chemical Storage

Precolor Tank Division is part of a privately owned group of companies, and has served the water industry for many years. Precolor has been a family business for three generations. The experience gained over many years has allowed Precolor to design and manufacture some of the highest quality water storage tanks available.

We are specialists in the water and chemical storage field. We enjoy a reputation for quality which is second to none, and are considered market leaders in our industry. Our water tank division has supplied Local Authority projects such as schools, hospitals, fire stations, etc for many years and we are specified by many local authorities, architects and consulting engineers. Our water storage tanks have been installed in many prestigious locations such as Chequers, Windsor Castle, Legoland, Manchester United, Aston Villa, Wolverhampton Wanderers and Huddersfield football clubs amongst others.

Precolor is based in Shropshire in the Midlands, this central location allows easy access for delivery of tanks to the whole of the U.K.

We also have a general moulding division which produces high grade G.R.P. mouldings and supplies many water authorities. This division specialises in baffles and sewage treatment, moulding covers, housings etc.

We have invested heavily in research and development and we continually endeavour to introduce new innovative products.




For more information, contact **01630 657281**

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# Newland Magnetics: Create a better, cleaner world

Established over 12 years ago and with ISO 9001:2015 and IATF 16949:2016 accreditation, Newland Magnet Corporation Ltd, located in Ningbo China is recognised as a leading supplier and manufacturer of NdFeB magnets, magnetic assemblies, separators and more cutting-edge technologies. Due to the success of the company, Newland Magnetics Europe was formed and is the European subsidiary of Ningbo Newland Magnet Corporation Ltd.

Newland Magnetics Europe with its offices and warehouse located in Cognac France are part of the Ningbo Newland Magnetics group who with an annual turnover of more than £30M, and production capacity of 1,000 tons per year, is rapidly becoming one of the largest producers of high-quality NdFeB magnets in China. Additionally, Newland Magnetics Europe can provide material data, technical, design assistance and sampling to assist with your application. Once in production, they can also provide a range of stocking options including consignment stocking at



their location in France or within your own facility. Newland Magnets can also supply AlNiCo, SmCo, ferrite magnet material, Bonded Neodymium and NdFeB Powder.

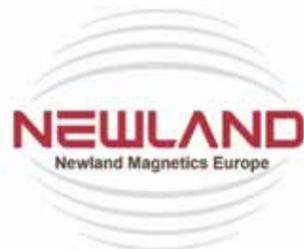
When asked about what differentiates the company from the competitors on the market, Newland Magnetics Europe Managing Director, Forbes Crisell, explained that, "From our location in France and working with our growing network of engineers throughout Europe, we are able to provide technical support in a number of European languages, fast sampling and offer unique stocking solutions. Using specialist simulation software, Newland Magnetics design the optimum magnetic component for the customer's product, meeting individual clients' needs and tailoring their services accordingly. Additionally, Magnets are used in most industry sectors and the main target for us is in the green energy, automotive, medical, Aerospace, Industrial, and food industries. Therefore, our team aims to provide clients with high-quality service, cost-effective prices and total customer satisfaction in order to

'create a better cleaner world,' which is implemented at every level of the company.

So, if you would like to find out more

about Newland Magnet's specialist services, then don't hesitate to contact the group today. More information can be found on their website listed below:

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Newland Magnetics Europe can provide material data, technical, design assistance and sampling to assist with your application.

Once in production we can also provide a range of stocking options including consignment stocking at our location in France or within your own facility. Newland Magnets also supply Bonded NdFeB, Flexible magnetic sheets, magnetic powder, AlNiCo, SmCo, Hard ferrite and complete magnetic assemblies.

Please visit [www.newlandmagnetics.eu](http://www.newlandmagnetics.eu)

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## TCFM named as Tomorrow's FM awards 2018 finalist



TC Facilities Management (TCFM) has been named as a finalist in Tomorrow's FM awards for 2018, thanks to the Cleaning & Security Solutions provided across the country. TCFM are associated with some of the UK's best-known retailers as well as providing FM services to Distribution, Logistics & Manufacturing Centres throughout the UK.

Now in its seventh year, the Tomorrow's FM awards recognise the most innovative products and services introduced in the facilities management industry in the last 12 months, looking for initiatives that improve customer experiences and driving the industry forward.

By combining their proven facility services processes, the most current technology and the right people on the ground, TCFM have been able to create an effective work environment to enable better quality and continued productivity gains and with it help clients achieve their promises to their customers.

Some of the key highlights of what TCFM have been able to achieve in logistics centres sites they manage are:

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## TCFM and Remploy scoop prestigious national award



A partnership between TC Facilities Management (TCFM) and Remploy the disability employment specialists, has won the Large Employer of the Year award at the ERSA Employability Awards 2017. The winners were announced at a ceremony attended by the Minister for Disabled People, Health and Work, Penny Mordaunt MP and hosted by BBC journalist Kirsty Lang.

The ERSA Employability Awards are now in their fifth year. The awards showcase and champion best practice from across the employment support sector, celebrating and recognising the hard work and achievements of those involved in supporting people into work.

This year, the awards judges included Heidi Allen MP, a member of the Work and Pensions Committee in the last Parliament; a senior official from the Department for Work and Pensions; a senior researcher at the Resolution Foundation; and last year's winner of the Adviser of the Year Award, Keith Tottingham.

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## Built-in SD interface

The Schmersal Group is extending its range of control panels with the new BDF 200-SD model. This product variant now has a built-in SD interface. The BDF 200-SD is also fitted with an emergency stop function with electronic OSSD outputs and can be fitted with up to three operational command and alarm devices, such as illuminated push-buttons, illuminated alarms, selector switches and key switches.



Using the built-in SD interface, the non-safe diagnostic signals from the command and alarm devices can be transferred via an SD gateway to the controller. In the safety circuit, different electronic safety switchgear devices, such as sensors and interlocks, can easily be connected in series using the BDF 200-SD.

The benefit for users: The devices are simpler, quicker and more cost-effective to install. This also reduces installation errors.

Safety sensors and interlocks fitted with an SD interface can transfer extensive status and diagnostics data from individual devices connected in series via the SD gateway and different fieldbuses to the controller. This could be, for example, status data from the safety equipment or error messages from a device. This allows individual diagnostics for the safety switchgear devices connected. This means that a user can easily tell which switch in the series has triggered a signal. This helps resolve problems quicker, enables preventative maintenance and thus increases machine availability.

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Other options include the 'Multi Hook' which has been designed much in the same as the original 'Skyhook' but has an additional loop which can accommodate multiple cables, the Wall Cable Support which can be easily fixed to walls, door frames, etc.

The 'Extendable Tower Stand' which can be raised up to 3 metres in height and is made from steel box section and finally the Medi-hook, designed for hospital applications.

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## Specialists in Marine, Welfare and Leisure

Lee Sanitation Ltd (LeeSan) are specialists in providing marine sanitation equipment, parts and service kits. With over 25 years' experience, LeeSan are expanding their range of Sewage Pumping Installations as well as Commercial, Domestic and Industrial Equipment. LeeSan offers sanitation solutions and has been involved in projects with Formula 1, hospitality complexes, landing craft and specialist



vehicle conversions such as welfare units and container conversions. The company offer service support from their toilet marine engineers and marina pumping engineers; although companies listed are known by Lee Sanitation Ltd, they are not affiliated with the company.

Based in the Midlands, the company are proud to say they are members of the British Marine and have a director who sits on the BM Council, BM Environmental Committee and BM Thames Valley

Committee. Customer service is at the heart of the company, which is why they offer on-hand help and advice for customers and are well known for their reputation for fast, efficient and friendly service. Experienced staff will point customers in the right direction and explain what products would benefit them the most.

For further information or general enquiries, please visit the LeeSan website. Alternatively, you can contact the company via telephone or email.

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inserts from Plastazotes to Polyesters and Silk Screen Printing facilities for corporate branding and identity. We also have Vac Forming and Routing capabilities and are continually investing in the latest machinery and technology available.

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# Clean Air Specialists

Anua Clean Air was first established as the Clean air section of Bord an Mona Environmental Ltd ts c, which was an Irish state-owned company. 2014 saw the company purchase assets of their Clean Air business unit, including Monafil and Monashell, which then saw the birth of Anua Clean Air International in 2015. Anua Clean Air has locations in Southern Europe, the Middle East and is represented in the United States by its Sister Company Air Clean Srl; the companies Head Office and manufacturing factories are based in Maynooth, Dublin.



The company specialise in providing treatment for low cold air emissions, mainly odour and VOC emissions, which arise from municipal and industrial wastewater treatment plants, and municipal solid waste treatment processes. Anua Clean Air is proud to boast that they have a long-standing history supplying patented Biological filters which provide best in class performance with the lowest life-cycle costs.

We asked Ian Phillips of Anua Clean Air what makes their products and services different from their competitors, to which he responded, "Our patented technologies are developed around the concept of using high-quality recovered materials such as seashells from shellfish processor and shredded crumb rubber from tyre processors. These materials have a natural affinity for the compounds we are targeting to remove from air streams and provide enhance performance with a much lower running cost and carbon footprint than traditional conventional technologies."

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At Micronclean, our passion is to be the first to develop new technological solutions that change the shape of the markets we serve creating quality and efficiency for our customers.



Micronclean started as a local laundry for Skegness and has been owned and managed by one family since the 1920's. At that time, the business concentrated on hand finished laundry services focusing on quality, innovation, attention to detail and customer care. These attributes underpin all the products and services Micronclean now offer which range from our traditional hand finished linen through laundered garment services for both industrial clients and high-tech pharmaceutical companies throughout the UK to cleanroom consumables which are sold in the UK and overseas.

We were the first garment laundry to adopt both the ISO9001 quality standard and ISO14001 environmental standard and we have successfully transitioned to the latest version of these standards.

In addition, we were the first laundry to use Radio Frequency Identification (RFID) technology to ensure that we track and report on your individual garments throughout their entire life using our Protrack system.

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## The best labs choose Lemman Instruments

Leman Instruments is a European enterprise known for their high performance products specifically designed for solid, liquid and gas analysis. Lemman has a cost-effective approach and offers technology-centred gas generators for use in laboratories, air quality monitoring and more.

Based in Archamps Technopole in France, Lemman Instruments was first established back in 2012. The team has over thirty years of business practise which goes into Lemman, making it one of the most reliable and trustworthy figures in the industry.

Leman Instruments has a wide range of products and services, from various modules in different designs, all of which have an involvement with high purity Hydrogen (H2), Nitrogen (N2), Zero Air. They also have combined solutions for FIDs, GCs, purge Air generations, CH4 & CO2 scrubbers, N2 and multi gas for LCMS. Their products also

feature the possibility of AK protocol integration.

Their products can also be seamlessly controlled using a touch panel or iPad due to the innovative Proton Exchange Membrane (PEM), Pressure Swing Absorption (PSA) and Catalysis), in addition to being simple to install.

One of the latest technological

advancements is their newly released GC Station 60L & GC Station 60LC, a ultra high purity hydrogen, zero air and nitrogen generator. This latest addition is the only gas generator with an integrated inboard compressor.

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# Bifold's Circuit Designer: Modular solutions with the drag and drop system

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- ✓ View the modular solution code and description or a list of separate valves and fittings.
- ✓ Create a PDF schematic diagram and description for sending with a quote.
- ✓ For users with Solid Edge ST6 and above, create a 3D model and dimensional drawing for a modular solution.

Download and run setup.exe from <https://www.bifold.co.uk/BifoldCircuitDesigner.aspx>

For more information, screenshots and getting started guide, visit <https://www.bifold.co.uk/BifoldCircuitDesigner.aspx>

**BIFOLD**  
CIRCUIT DESIGNER

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The Bifold Circuit Designer allows you to design a bespoke modular solution or tubed valve circuit comprising a series of valves in any order or orientation (where applicable) using a schematic drag and drop system. The completed system can then be bought as a modular solution or as a list of separate valves from Bifold.

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Greater Manchester, OL5 9XA, UK.  
Tel: +44 (0) 161 345 4777 Email: [marketing@bifold.co.uk](mailto:marketing@bifold.co.uk)

The Bifold Circuit Designer allows you to design a bespoke modular solution or tubed valve circuit comprising a series of valves in any order or orientation (where applicable) using a schematic drag and drop system. The completed system can then be bought as a modular solution or as a list of separate valves from Bifold.

- Design a circuit using drag and drop (new schematics added regularly)
- Organise and manage your projects in the Project Centre
- View the modular solution code and description or a list of separate valves and fittings
- Create a PDF schematic diagram and description for sending with a quote
- View and print the Modular Solution Bill of Materials (BOM) or separate valves (BOM)
- For users with Solid Edge ST6 and above, create a 3D model and dimensional drawing for a Modular Solution
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- New users configuring systems every week

**Installation**  
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**Further Information**  
For more information, screenshots and Getting Started Guide, visit: <https://www.bifold.co.uk/BifoldCircuitDesigner.aspx>

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# Fast electrical isolation ensures safety

With safety in mind, fast and reliable electrical isolation is of paramount importance in commercial buildings, for industrial machinery, HVAC installations and for power supplies and security equipment. The ROTARY ISOLATOR range of control switches from Hylec-APL ensures these installations and equipment can be shut down quickly in the unlikely event of an emergency and that the electrical circuit is completely de-energised for routine service and maintenance.

ROTARY ISOLATOR control switches are



IP67 rated and withstand water up to a depth of one metre, as well as completely preventing the ingress of dust and dirt, vital in many factory and commercial applications.

The ROTARY ISOLATOR switch separates the circuit from the main power source and discharges any current trapped in the circuit, rendering it safe to work on and of course ensuring fast shut down and the absence of any electrical current when an emergency stop is required. When used as an emergency stop, it can be locked in

the off position using a padlock. For safety, the switch is interlocked with the lid to prevent opening while in the 'on' position. Manufactured from completely flame retardant polycarbonate, rated to UL94V-0, ROTARY ISOLATOR control switches provide an additional margin of safety over competitive products with a lower flame-resistance rating.

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# Xeros Near-Waterless Commercial Laundry System



Xeros, the innovator in sustainable cleaning technologies, today announced that its near-waterless laundry system is now available in South Africa. Xeros has signed a partnership with local Cape Town company, fanute who will distribute and service its award-winning laundry systems in South Africa.

fanute will be opening its doors to the public for a demonstration day on 1st March, showcasing this revolutionary technology as part of its commitment to reducing water consumption in local hospitality and commercial laundry industries.

Amidst the worst drought in over a century, Cape Town has imposed severe water restrictions of just 50 litres a day. The city is bracing for 9th July, which has been dubbed 'Day Zero' - the day the city will cut off running water leaving 4 million people without water.

"The near-waterless washing system from Xeros is exciting and can potentially revolutionise the local tourism sector," says Charl de Beer, Manager of fanute. "Saving up to 80% water and nearly 50% electricity are metrics that resonate with South Africans, who are facing rising water costs due to the growing scarcity of these utilities."

At the heart of Xeros laundry system is the XOrb™ polymer technology. XOrbs represent years of research focused on the needs of hotel laundries and the need to save a valuable resource - water. Allowing Xeros washing machines to work more efficiently while using just a fraction of the water traditionally needed, XOrbs deliver a range of features including cold water washing, powerful stain removal, and linen protection that keep towels looking newer for longer. XOrbs last for many hundreds of washes before needing to be replaced and recycled.

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# Precision Metal Stamping

Batten and Allen was established in 1972 by Alan Batten and Les Allen, two local entrepreneurs who were experts in toolmaking. Based in Cirencester, the company are proud to say they have become an internationally recognised business and at least 85% on their products go into export markets.

The company specialise in the manufacture and supply of high-quality precision metal stampings. Batten and Allen provide a number of design services to their customers, such as ensuring that the designed part is the best for their given application, as well as working with their customers on how to incorporate the fitment of the company's part into their assembly processes.

Customer service is at the heart of the company, which is why they like to focus on 4 key things: Customer satisfaction, continuous improvement, technical innovation and sustainability. Batten and Allen have the ability to offer world-class quality and logistics, alongside be responsive to their customer's needs. The company are sustainable in the way they focus on environmental and social responsibility; they constantly check their production efficiencies and waste management to enhance cost savings and remain competitive.

The company recently exhibited at the Southern Manufacturers and Electronics show, where they showcased their products and services to new

potential clients and customers. Batten and Allen are proud to say that many of their products are bespoke and they have a unique catalogue of surface mount lead frames used within the PCB industry. The company have expertise in thin gauge materials and are renowned for their high-quality repeatable parts; thin gauge material is beneficial in the way it allows a considerable weight saving, which is essential for many of the end products made today.

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# Tinius Olsen: The first name in materials testing



Tinius Olsen is the leading specialist manufacturer and supplier of static tension and compression materials testing machines.

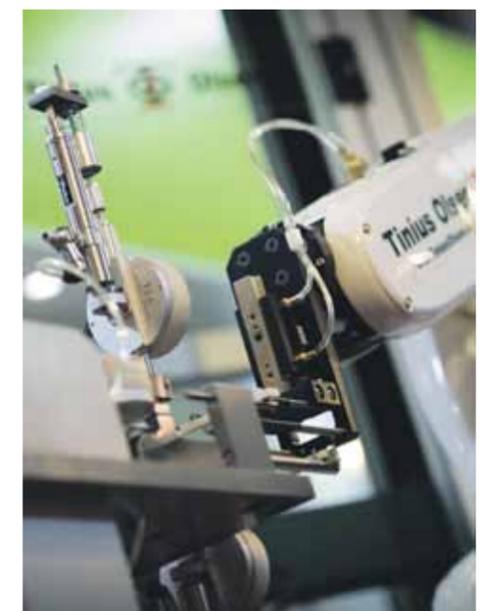
Tinius Olsen was established in 1880 by Norwegian born engineer Tinius Olsen. Tinius was a tailored craftsman and founded the Tinius Olsen Material Testing Machine Company, priding himself on crafting each machine with delicate care, a trait the company has carried through to today.

The company manufactures their machines for use in research and quality control departments in order to measure a material's strength and product performance. With Tinius Olsen, clients have the peace of mind that they can perform tests on raw materials and finished products to international standards. This includes ASTM, ISO and EN.

In a recent interview with Tinius Olsen's Sales Director, Martin Wheeler, Martin stated that Tinius Olsen had attended NPE in Orlando, to overwhelming success. NPE is the world's largest trade show and conference for the plastic industry. Tinius Olsen's exhibition of their automated systems, tension and compression machines wowed industry peers, as well as the company's commitment to high quality machinery.

If you would like any more information on Tinius Olsen, or have any enquiries, please visit the Tinius Olsen website. Alternatively, you can contact the company via the telephone number listed below.

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When it comes to surface treatments, Curtiss Wright Surface Technologies can be relied upon for their one stop shop solutions and dedication to excellent customer service.

First set up back in 1929, the company who are a subsidiary of the Curtiss Wright Corporation specialises in providing surface treatments with the aim of enhancing the performance of critical materials and components. These treatments can be used in preventing premature failures and increasing the life of a huge range of components used in anything from a jet engine to a wind turbine.

Used in a range of industries the world over, Curtiss Wright Surface Technologies can provide

material surface treatments, protective coatings, high tech processes and much more. One of the biggest concerns for manufacturers, designers and buyers of critical components is premature failure as a result of fatigue, corrosion, stress corrosion cracking, fretting, friction, galling and environmental and thermal stresses.

As a subsidiary's of Curtiss-Wright, Curtiss Wright Surface Technologies has a rich and long history behind them. With a global network of over 70



operating divisions, they are able to supply their exemplary services to OEM's in a wide range of major industries, such as aerospace, automotive, oil & gas, subsea, medical, power generation and more.

Their innovative surface treatment solutions encompass Controlled Shot and Laser

Shock Peening, Engineered coatings, Thermal Spray Coatings and Parylene Coatings for silicone, plastics and electronic components. They ensure that by working closely with customers from the design stage through to manufacturing they can provide

a One Stop Solution for material treatments. These can be applied to new manufactured parts and also repair and overhaul including site work.

There are a number of factors that can cause premature failure and poor performance of metals and materials which is why the services and processes Curtiss Wright Surface Technologies provide are vital in the life extension of critical components. Machining, heating, forging bending and rolling of metals can induce unwanted stresses and associated problems which can be eliminated by some of the services Curtiss Wright Surface Technologies offer.

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## Position switches



The Schmersal Group has launched a new generation of position switches. The new PS product range offers varied applications, as all the position switches can be used both as complete devices and as modular units.

Type 1 position switches in line with ISO 14119 are for the position detection and monitoring of moving parts on machinery and plants as well as for lateral or pivotable protection equipment. The new range is suitable for a wide range of applications across all individual disciplines of machine and plant engineering – both for automation and safety applications and for lift engineering. The protection types IP66 or IP67 create the prerequisites for using the position switch in unfavourable environmental conditions.

The modular design of the PS range with consistent components across all models is said to reduce the number of variants, reduce storage costs and increase availability. All the position switches in the PS116, PS2xx and PS3xx ranges available within the modular system can be chosen both as complete switches with actuating element or as basic switches.

Depending on the application, the basic switches can be combined with the necessary actuating element, which can be selected from a range of possible versions. This achieves the greatest possible flexibility in application and at the same time reduces the number of different switches available.

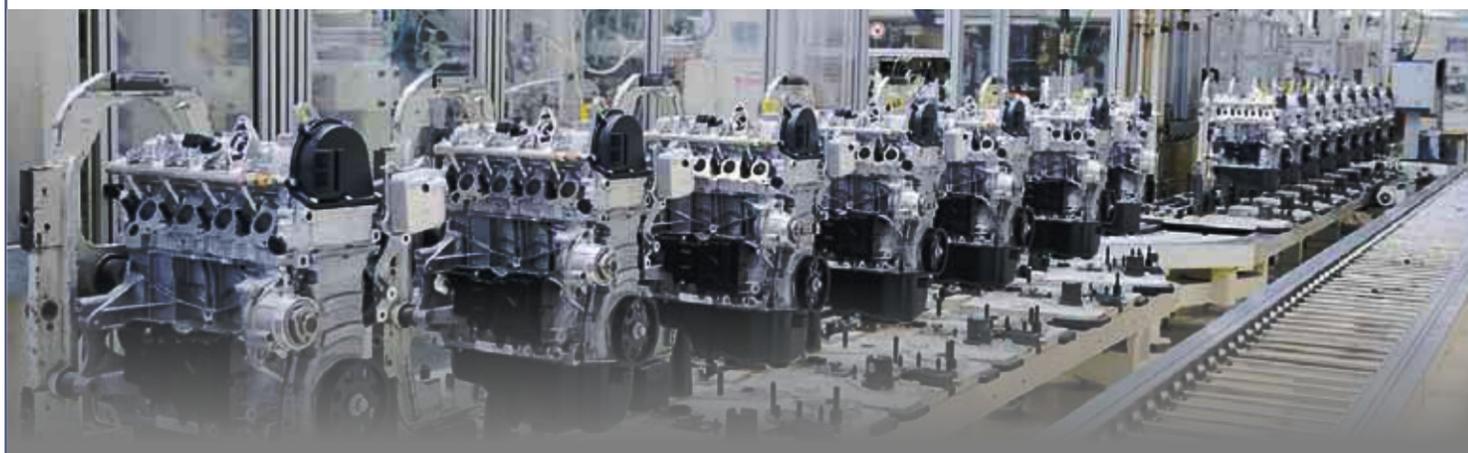
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PTS UK offers services such as plating

which means the company can plate standard and special screws in a variety of materials, patchlocking which is suitable for vibration resistance and torque performance, and, screw modifications which means they offer customers a modification service from 1.0mm diameter to customer drawings and specifications.

PTS UK keeps on top of the ever-changing needs of society, which is why they add new ranges to their collections every year. It is no wonder they get customers globally and UK-wide from many industries including computer, medical, automotive, defence, environmental and energy industries.

Customer service is at the heart of

the company; PTS staff has over 28 years' experience managing and producing new product lines and it is all done on-site. Not only do the company provide just-in-time delivery, but offer services to suit individual and personalised needs.

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## Beast from the East laid siege at the castle

An Every Day Thank You to...



Abdul Razaq for...



Being there as without you over the last few days we would definitely have been in trouble. You were the only constant within the team and just got on with the job at hand.



Many many thanks - you have been a star!!

Situated in the heart of Warwickshire, Warwick Castle features a large estate of grounds and buildings dating back to Anglo-Saxon times. The grounds alone cover almost 3 square kilometres. The whole site needs patrolling and protecting to ensure that the site is safe and secure at all times, not just for the visitors but for the staff who come to work each day.

Never was this more important than when the Beast from the East laid siege at the castle last month.

Snow had hit the site severely, meaning that it was closed to visitors.

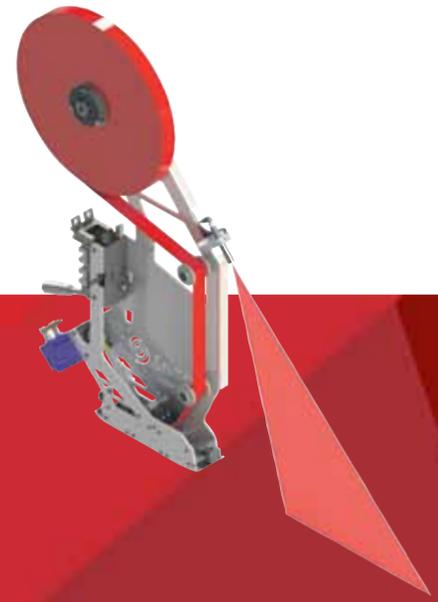
Abdul Razaq, who works for Security Services provider, TC Security Services, was on duty over this period.

Not only did Abdul complete his usual patrols but he cleared footpaths and other areas of snow, to ensure that access for staff was safe at all times.

His contribution and commitment to employee safety has been recognised and duly noted by the site Operations Support Manager at Warwick Castle. Who said, "Abdul, I know I have already said this but also wanted to make the thank you official. Without you over the last few days we would definitely have been in trouble. You were the only constant within the team and just got on with the job at hand. You definitely stepped up when we needed you too. Many, many thanks - you have been a star!"

Satia Rai, Senior Operations Manager for TC Security Services said, "I just wanted to send you a big thank you from both myself and the client for your exemplary service over these past few days. Your commitment to ensuring that the site was kept safe and secure during this spell was fantastic. You are a true asset to the company and I know that the client feels the same way. Thank you again and well done."

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