

INDUSTRY UPDATE

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Dehumidifier sets new standards

P&N Europe GmbH introduces the new fully automatic dehumidifier for switching cabinets, control panels and further more applications.

The dehumidifier reliably protects against unwanted humidity and condensation inside those housings.

This device works as a plug&play solution. Simple DIN rail mounting and DC supply voltage make it possible.

The dimensions are 125 mm x 66 mm with 63 mm width and a weight of 320g. Included in delivery is the matching connector and a silicone hose with 1 m length to dissipate collected moisture.

A special feature is that depending on

the humidity, the device switches on and off fully automatically. Our dehumidifier is characterized by a dehumidification capacity of up to 250ml/24h with a low power consumption.

The device is available for operating voltages of 12 V DC and 24 V DC.

Further information, advice and sales by P&N Europe GmbH.

Please visit us on our website
www.pn-europe.com

Your competent specialists at P&N Europe GmbH -
Hotline: +49 906 70693-101
Email: info@pn-europe.com



Hazardous waste removed in site clean-up project

Water jetting and vacuumation carried out by Lanes Group plc operatives has cleared a large area of an engineering storage site of waste after drainage channels became blocked.

The industrial cleaning project was completed in less than a day, with an estimated five tonnes of waste and water taken away for safe disposal at an authorised site.

The engineering firm called in a team from the Lanes Aberdeen depot after finding a corner of its facility had become contaminated by regular flooding with wastewater. A scoping survey indicated that a drainage channel linked to a foul drain had become blocked, causing water to back up, especially after periods of heavy rain.

Lanes Aberdeen area development manager Mark Morrice said, "Our client agreed with our advice that the blockage material should be treated as hazardous waste and removed with care."

This involved "deploying an industrial cleaning team using the appropriate personal and respiratory protective equipment alongside technology that allowed the waste to be removed remotely wherever possible."

Waste matter had built up where the area had flooded several times. There was a risk that particulate matter could present a health risk if it was disturbed and became airborne. Therefore, during the clean-up operation, the waste was damped down and the resulting liquid was vacuumed up by a Lanes Jet vac tanker.

Once this was achieved water jetting could be used in conjunction with vacuumation to clear the surface water channels and underground drains along a 25-metre-long section of the site.

Mark Morrice said, "Our use of water jetting and vacuumation ensured the risk of personal contact with the waste was minimised and the clean-up operation was completed as safely and quickly as possible."

Contact
T 0800 526 488
www.lanesfordrains.co.uk



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Curtis Instruments

Curtis Instruments has announced the establishment of the Curtis UK Engineering Centre (UKEC), a new Research & Development Engineering facility that will be located in the Newcastle/Sunderland area.

The UKEC expands Curtis' position as an expert electrification partner to OEMs and EV system suppliers. The UKEC will also significantly strengthen Curtis' ability to provide first class systems engineering services to the major UK & European vehicle and mobile machinery manufacturers.

The facility will work closely with existing Curtis global engineering teams in California, New York, Switzerland and China.

T 01604 629755
www.curtisinstruments.com



Caldicot Group

When tasked with raising a six-figure sum to assist with an ambitious expansion plan, Caldicot Group cleverly used asset finance to not only raise the funds, but to lower their ongoing monthly costs.

Caldicot Group, who specialise in the delivery of vehicle maintenance & recovery solutions throughout the UK, refinanced a number of assets to raise capital to assist with the acquisition of Overbrook Recovery Services and further aid its expansion plans.



Gavin Edwards, Managing Director, said the funding was vital to drive his company forward. 'I have been a customer of Henry Howard Finance for several years, regularly financing trucks through the company, and I'm always impressed by the level of service and the interest Henry Howard took in order to understand our business, something we feel that other banks do not do. When I explained that I needed to raise the finance to complete an acquisition of a company to gain client base and trading areas, they quickly found an innovative solution that not only raised the finance but gave us extra flexibility to continue to thrive.

'I had expected the application process to be complicated because some of the assets were already on finance', Mr Edwards continues. 'However, I was very happy with the service levels I received and was continually updated throughout the application. The monies were paid out on time to enable us to complete our acquisition'.

'Securing the funding has allowed us to purchase a company and secure two additional sites, so we now have a total of four sites from which to operate, creating more jobs and providing quicker response times to even more customers. I would strongly recommend Henry Howard Finance, I have received excellent information and customer service over the years, completing multiple deals at very competitive rates. Henry Howard Finance really have been an excellent finance partner and we will definitely aim to use them in the future.

Mark Catton, Group CEO of Henry Howard Finance, said, 'We strive to ensure our alternative finance solutions are amongst the most competitive in the market and are proud to see Caldicot Group go from strength to strength in the market place. We look forward to continuing to help the company realise its growth ambitions well into the future'.

T 01633 415222
www.henryhowardfinance.co.uk



Ultimate washroom style in three easy steps

Dudley Industries launches a new modular 'Behind the Mirror' hand hygiene solution to their global washroom offering. Modulo is a new cabinet system that provides a flexible and easy to install solution for stylish washrooms. With space so often at a premium in washrooms careful consideration must be given to every detail. Modulo is a convenient solution that provides a choice of hand washing and drying options housed in a cabinet cleverly concealed behind a mirror.

- Specified in 3 simple steps**
- ▼ Choose the cabinet size
 - ▼ Select the dispenser combination
 - ▼ Choose the door type to complete the selection

Unlike traditional cabinets the Modulo system provides a range of dispenser locations so that each one can be ideally positioned exactly where you need it. The simplicity of installation makes the mounting of a Modulo cabinet easy and by choosing a combination of the manual and battery operated dispensers removes the need to connect to mains power making it

suitable for all locations and washrooms.

The cabinets are available in widths of 600mm and 1200mm and customers can choose their dispenser combination from:

- ▼ Soap Dispenser
- ▼ Paper Towel Dispenser
- ▼ The new AutoCut Paper Towel Dispenser
- ▼ Hand Dyer

Cabinet doors are available as a traditional mirror finish but for the more inquisitive an innovative tinted glass option is available which stylishly reveals the dispensers through the glass.

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www.twitter.com/dudley_ind



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ADDITIVE MANUFACTURING FOR INDUSTRY

If you've been sceptical about 3D printing or additive manufacturing. Its time to think again, as Paul Croft, 3DGBIRE Director explains why additive manufacturing is revolutionising manufacturing, design & short-run production.

"The speed of 3D print development over the past few years has frustrated and excited in equal measure. No one would deny the compelling vision presented by a technology that offers the chance to essentially manufacture on demand or the prototyping opportunities enabled by low cost desktop 3D printers."



Using Ultimaker 3D printers, Volkswagen Autoeuropa saves an estimated €325,000 per year.

"At the same time, there have been constraints that have delayed adoption, even deterred companies from exploring the opportunities. From lack of access to appropriate materials to a limited understanding of the potential of the technology, many firms' perception of 3D printing is still rooted in the early forays into the market a decade ago.

This year, however, a number of critical innovations are coming together that herald a new era in 3D printing and its cognate technologies. From the interaction of 3D printing with AI and machine learning; to immediate access to tens of thousands of chemicals for new material development; and proven models that blend AI driven Generative Design with 3D printing and traditional manufacturing.

3D printing is now a proven, robust, repeatable and reliable technology that is complementary to existing manufacturing processes - and companies can now think laterally about the way in which solutions can be blended into existing processes to address a range of issues.

This is an incredibly exciting time for anyone involved in product design or maintenance manufacture."



Value Added Reseller of The Year 2019' at the 3DPI Awards, 3DGBIRE are 3D Printing experts specialising in additive manufacturing solutions for Industry. They offer a 360° customer experience, including; training, service and maintenance packages and a dedicated technical support team. They are committed to successfully integrating Printing into business and manufacturing industry workflows. As the exclusive UK Distributor for brands such as Ultimaker, Kodak, Raise 3D, JCR 3D and Photocentric they have developed a reputation for quality, they are also focused on pioneering the future of 3D Printing, offering the newest and most innovative filaments & printers.

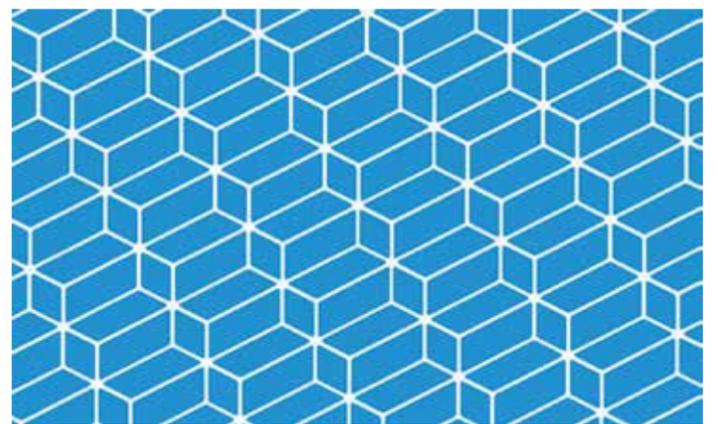
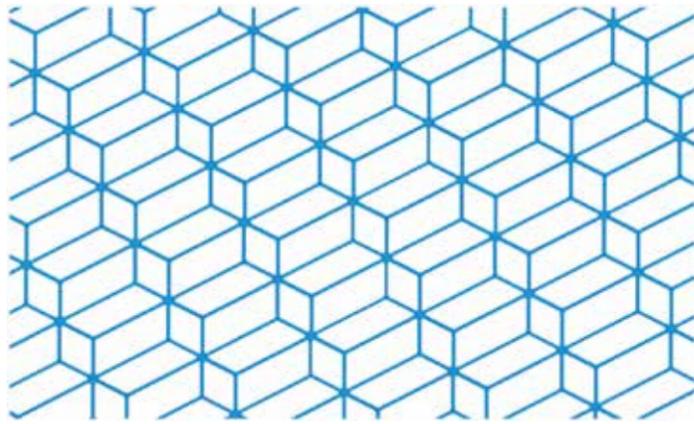
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www.3DGBIRE.com

Ocean Insights: Solid data for smart decisions



OCEANINSIGHTS



Industry Update is proud to announce that Ocean Insights has been chosen to receive our Global Logistics Company of the Year award, for the development of its leading data driven solutions to help ease freight transportation processes. “It’s an honour to have won this award,” said Josh Brazil, Chief Operations Officer. “It’s great when people come to us and know what we do. We’re a middle-sized company, but we’re recognised globally as a leader in our field.”

Shippers and freight forwarders must adhere to rigid timetables and organisational intricacies to ensure the smooth running of freight operations. Using its unparalleled expertise, Ocean Insights has developed two innovative software programmes to help maintain supply chain visibility, offering reliable ocean freight data and accurate predictions.

Through close working relationships with Beneficial Cargo Owners (BCOs), the company observed the complexities of supply chain logistics systems and identified where they fall short, developing solutions to address these failings. The result is ground-breaking software which consolidates and evaluates ocean freight information to make it accessible for the logistics industry, providing reliable data and predictions from which customers can profit.



Ocean Insights' big data technologies



and expert team of data analysts support both day to day operations and strategic decisions, offering predictive ETAs, track and trace data, real time container visibility and much more. Indeed, in a field where data is often unavailable and rarely comparable, Ocean Insights offers valuable guidance, consistently consolidating and evaluating data from multiple sources to help logistics teams across the globe stay on top.

Offering worldwide container visibility across multiple carriers, Ocean Insights' Container Track & Trace software provides real-time vessel data, map positions and exception management. It connects carrier information with actual vessel locations to offer real-time data that enables customers to take action well before problems arise in their supply chain.

Similarly, the company's Container Sailing Schedules offer an innovative way to keep track of schedule changes, of which there are over five million every day. This allows customers to make strategic supply chain management decisions which have been informed by real-time data. "Our sailing schedule software is recognised as one of the highest quality on the market," said Josh. "Others are notoriously full of holes and issues, but we give the data a human touch and make it usable."

Thanks to its unbeatable innovation, Ocean Insights has achieved exponential growth over the past 12 months, ensuring it remains ahead in a fast-evolving marketplace. "We've grown significantly over the past year," explained Josh. "We've added more than 15 employees to the team, expanding further in all departments to get our name out into the

market. It's been a pretty intensive and fast-paced period of growth which is paying off.

"Sales wise, it's also been positive, with lots of new deals being made. We're also seeing more competitors surfacing as the market matures, but we remain in a strong position thanks to being the first company to offer data driven freight management. We have more experience and more advanced solutions with higher levels of quality and depth. Numerous major platforms are using us to help in their day to day operations."

Without a doubt, Ocean Insights' solutions offer a wealth of benefits for customers, adding significant value to a complex industry. "Firstly, the usability of our software is excellent. Customers can benefit from quick training and rollout, ensuring high return on investment as well as increased efficiency and excellent time savings, helping to make their customers happy. Recently, we have also been investing heavily in our predictive ETA capabilities, predicting not just the ETA of the next destination but also of the ports in between, something which we are unique in offering."

Ocean Insights also offers a significant savings in demurrage and detention costs. These can often occur due to incompetence from freight companies rather than the customer, meaning customers can end up paying for extortionate daily rates as a result of mistakes they did not make. "By using our software, the events that lead to these fees become transparent, and customers will have the leverage to act on them in real-time and negotiate appropriate free-time rates in

the future," Josh explained.

With a highly successful 12 months on which it can build, Ocean Insights is continuously working to develop new and innovative solutions to help increase the efficiency of freight transportation across the world. "As we look to the future, we will be continuing to bring added value to the market. Numerous processes will be optimised and digitised over the next few years, and

we want to remain at the forefront of this movement."

If you would like to find out more information on how Ocean Insights' innovative solutions can help you, head to the website or get in touch using the contact details below.

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CP Electronics lights the way for Bronte Girls' Academy

CP Electronics, the UK's leader in energy saving lighting controls, has transformed the Bronte Girls' Academy in Bradford, West Yorkshire. Working closely with G&H Building Services, the company turned the old Bradford Council Offices into a new 600-pupil academy.

Designated as a 'free school', Bronte Girls' Academy is open to pupils aged between 11 and 16 and is managed by Feversham Education Trust. A range of CP Electronics' lighting control systems and detectors is used throughout the school, including classrooms, staffrooms, office areas, main hall, sports hall, kitchen and external areas such as parking and entry points.

The transformation of the old building makes the academy one of the most energy efficient and modern schools in the country.

Automated for Efficiency

With automation and efficiency a key requirement of the project, CP's innovative Vitesse Plus system is used as part of the many new energy saving solutions in the academy. The standalone 7-channel system is installed throughout the classrooms and is connected with daylight-dimming presence detectors to help save energy. The detectors will automatically dim the lights closest to the windows if sufficient natural daylight is available.

Other areas of the school also benefit from CP's energy saving technology. The academy's corridors make use of CP's long-range microwave detectors, and will dim down to a set output, only going back to 100% when movement is detected. Meanwhile, toilets and bathroom lighting are set to switch on or off, based on presence detection; whilst the offices also use dimming technology paired with DALI

LED lighting. Enabling this lighting control is CP's Vitesse Modular system. The unique benefit of the modular system is its ability to adapt and grow from 4 to 16 way. This gives Bronte Girls' Academy the flexibility of easily changing the lighting set-up when required.

All under one roof
Bronte Girls' Academy is also set up for different lighting scenes in communal areas, such as the sports halls and dining areas. Utilising scene setting plates, these areas are programmed with five different lighting set ups that can be adjusted to dim or brighten, depending on the activity taking place.

Neil Blunt, Project Manager for G&H, said "G&H Group has a long-established relationship of working with CP Electronics, thanks to their huge range of lighting controls, technical support and knowledge of lighting. Once again, they have delivered with Bronte Girls' Academy, enabling us to meet the needs of the school and minimising energy usage."

Ian Dennon, Area Sales Manager for CP Electronics, said "We are delighted to have had the opportunity to help transform the old Bradford council offices into this outstanding new school. It's a fantastic new facility, and our controls will go a long way to help keep running costs down for years and years to come."

For more about CP Electronics, please visit www.cpelectronics.co.uk



Proximity switch for Ex zones 0/20

EGE says launching the IGEX20a inductive proximity switch, it presents a compact sensor with ignition protection type Ex m (encapsulation). The company says, observing the relevant installation standards and conditions, it can be used directly in zones 0/20 without any further switching amplifier.

IGEX20a is certified according to ATEX and IECEx. IECEx certification simplifies worldwide use of the sensors in member countries of the IECEx regime. Certified for use in Ex zones 0 and 20, the proximity switches can be employed in hazardous areas with gas or dust atmospheres, for example in gas stations and in facilities with gas pipelines etc. The switching

function is indicated by an LED on the back of the device. The sensors are available in M12, M18, and M30 designs.

T +49 4346 4158-0
info@ege-elektronik.com
www.ege-elektronik.com



Is your RCD protection up to date?

Have you checked that your RCD sockets comply with the latest safety standards (BS 7288:2016), like the Timeguard Valiance+ range.

The main visible difference between old designs and those complying with the latest standard is a new, clearer twin flag system (RED – ON, Green – OFF or safe). However, 'under the bonnet', there are other changes that add up to greater reassurance to users: more stringent testing to ensure the products can withstand years of use and electrical/physical abuse, and greater resilience to RF interference.

With ultra-fast tripping to the new BS, Timeguard Valiance+ RCDs offer a level of personal protection that ordinary sockets and fused spurs cannot provide, backed with the Timeguard quality assurance.

Do your customers really want to take the risk with an unknown alternative?

Contact www.timeguard.com



In redesigning its Valiance range to meet BS7288:2016, Timeguard's UK R&D team has also reviewed and replaced componentry and updated the casing design. The new Timeguard Valiance+ range offers a complete range of 1 gang and 2 gang RCD switched sockets in both active and passive versions, metal clad variants in both 1 gang and 2 gang and a choice of 3 styles of RCD switched fuse spurs.

New customer feature on icotek website

The product configurator for individual products. With the new online product configurator, customers and interested parties can now customise their split cable entry systems from icotek. You will be prompted to answer a few short questions in order to select the correct configuration for your needs. First, you select the desired frame. Then, you simply assemble the selected cable entry frame, cable gland or EMC cable entry with the appropriate cable or adapter grommets. At the end you can choose whether you prefer the selected configuration assembled or loose in individual bags. The finished configured product can easily be requested online from the manufacturer. "With the online configurator, we are reacting to the increasingly individual customer requirements for more flexibility," explains Stefan Daun, Marketing Director at icotek. The configurator will be available at the start of September 2019.



<https://www.icotek.com/en-uk/service/product-group-configurator/>

Maxim 10 Offices get maximum energy efficiency from CP Electronics & AKD

The latest in a prestigious range of commercial developments across Scotland, Maxim 10 marks yet another significant landmark project for lighting controls specialist CP Electronics and electrical contractor AKD. Completing their part of the project within a rapid nine months, they've helped the investor achieve the objective of a safe, comfortable and energy-efficient space.

Conveniently located in Eurocentral, and part of the recently completed Maxim Office Park, Maxim 10 provides 60,000m² metres of commercial office space over four floors. Built as a shell, Edinburgh, Glasgow & Cheshire based electrical contractor AKD worked with long-term partners CP Electronics to design and specify a modular lighting system which is flexible enough to meet changing needs.

The building comprises a mix of open plan areas, meeting rooms, corridors and storage space, with a capacity on the ground floor alone for over 200 workstations. To ensure maximum energy efficiency, each floor is divided into smaller clusters, typically with either 4, 6, 10 or 12

workstations. Throughout Maxim 10 is a lighting control system that ensures lights are only ever in use when a person is present.

By combining 2-way and 4-way starter and extender modules, CP's Vitesse Modular system enables all lighting needs to be met with a simple plug and play solution. Once in place, it was simply a question of plugging in the luminaires and necessary PIR detection systems into the lighting control modules (LCMs).

For more about CP Electronics and its range of lighting and energy controls, please visit www.cpelectronics.co.uk

For more about AKD and its range of installations, please visit www.akd.net



CP Electronics helps Aurora set new standard for sustainable development

With products and support from CP Electronics, Aurora has become the first building outside London to achieve an outstanding rating from BREEAM. Also designed to LEED Gold Standard, the automated control and energy efficiency provided by the lighting has been a key factor in gaining this recognition.

Situated in central Bristol on the Finzels Reach development, Aurora is a 95,531 sq. ft office building constructed predominantly of glass. Set around a spectacular full height atrium, it comprises seven floors and a mix of space including open plan offices, stairwells and lift lobbies, as well as corridors, toilets and a double height reception area.

With a brief to meet high energy standards and future-proof the building – including audio-visual integration - Mechanical and Electrical contractor CMB Engineering turned to CP Electronics for specialist support in design, specification and installation.

Vitesse Plus 7 is a versatile seven-channel system that's ideally suited for commercial spaces where control, cost and convenience are key requirements. With an integrated PCB computer, the stand-alone lighting control module (LCM) is designed for simple plug-and-play installation and

is easy to commission.

Combined with PIR detectors, each Vitesse Plus 7 module typically controls between six and nine luminaires within the office areas to provide maximum efficiency by ensuring lights only come on when a workstation is in use. To further reduce energy usage, the detectors also contain graduated daylight dimming technology, and will dim the two rows of lights nearest the windows, when enough natural daylight is present. For the stairwells, an AN-10 wireless system ensures lights are only activated on individual floors (and the floors directly above and below them). In the reception and atrium areas, a fully addressable RAPID system runs off a DALI profile to provide a range of features, including the ability to create ambient moods with different scene settings.

For more about CP Electronics and its range of lighting and energy controls, please visit www.cpelectronics.co.uk



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Where gas detection meets connected safety

Industry Update is proud to announce that Industrial Scientific has been selected as our Gas Detection Company of the Month, for its ground-breaking range of gas detection products which are protecting workers around the world.

With Industrial Scientific's technology, it is possible to see and respond to hazards as they unfold, bringing workplaces one step closer to eliminating death on the job. These monitors can be used for remote sampling, confined spaces, area monitoring, and personal protection, all of which are backed by the company's Guaranteed for Life™ warranty.

Industrial Scientific began in 1976 as the Research Division of National Mine Service Company (NMS), focusing on the development of instrumentation to detect methane gas. In 1985, NMS sold the division, and Industrial Scientific Corporation started its operations as a private company. Through ongoing investments in research and engineering, the company's gas detector family grew to include patented technologies and state-of-the-art designs, and it fast became a premium supplier of the most rugged and dependable gas monitoring equipment in the world. Since 1985, Industrial Scientific has pioneered a vast range of

technologies, including the first 3-gas detector, 6-gas detector, wireless gas detector, and the first gas detector to be included on a NASA space shuttle. In 2017, Industrial Scientific was acquired by Fortive Corporation, a Fortune 500 company dedicated to innovation and improvement. Thanks to this, Industrial Scientific is now equipped with the tools and resources to achieve its admirable vision, and the company has become a leader in providing gas detection products, services and solutions for worksites across the globe.

Recently, in accordance with its dedication to continuous innovation, Industrial Scientific released its RGX™ Gateway globally. This device provides wireless cloud connectivity in hazardous locations, enabling designated safety contacts to receive real-time alerts for gas hazards, panic, and man-down situations happening in-plant or in the field. Thanks to its live map, users can see the location of workers and current conditions, helping to improve response times and equipping emergency personnel with critical information.

The RGX™ Gateway is compatible with Ventis® Pro Multi-Gas Monitors and Radius® BZ1 Area Monitors, and through the LENS™ Wireless instrument-to-instrument communication



system, monitors can share gas readings and alarms with one another and the RGX™ Gateway. Then, the RGX™ Gateway can transmit readings through cell, Wi-Fi or Ethernet to iNet® Now Live Monitoring software, which alerts key personnel about an incident within mere seconds.

This combination of LENS™-enabled gas monitors and the RGX™ Gateway serves to enhance the ability to get data to the cloud from complex locations, such as confined spaces or plants where typical wireless connection may be obstructed. What's more, the RGX™ Gateway features ATEX Zone 2 hazardous classification and an ingress protection rating of IP65, meaning it can be used in hazardous environments as well as most weather conditions. Thanks to its rechargeable 168-hour run-time battery, it can be used for tasks that last hours, days or weeks, and for more permanent applications, the RGX™ Gateway is also compatible with a variety of external power supplies, meaning it can be run indefinitely.

Without a doubt, for over 30 years Industrial Scientific has been refining the essential technology underpinning workers' safety in hazardous environments, through an unwavering dedication to creating gas detectors which are durable, accurate and reliable. With technologies which are

constantly evolving to meet the ever-changing needs of its customers, Industrial Scientific is clearly at the forefront of innovation in its field, and is only set to build on its impressive technological advancements in the coming years.

If you would like to find out more information on Industrial Scientific's full range of products, head to the website or get in touch using the contact details below.

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info@eu.indsci.com
www.indsci.com



INDUSTRIAL SCIENTIFIC

PROCENTEC releases PROCENTEC Mercury

Industry Update is pleased to announce PROCENTEC as this issue's Network Diagnostics Company of the Month.

Founded by two college friends and their older brothers in 1997, Netherlands based PROCENTEC is a leading supplier of solutions to the digital data communication sector, specialising in the delivery of high quality diagnostic solutions and network components. The company takes pride in its customer focus, paying particular attention to offering its customers peace of mind and extensive, knowledgeable support. Alongside supplying its own products, PROCENTEC provides certified training, consultancy services, and technical support and is an accredited test lab for PROFIBUS and PROFINET.

PROCENTEC's Marketing Manager Linda Lambertina tells us, "Our products provide customers with value adding and easy to use solutions which are vendor independent, giving a clear and concise picture of the current situation allowing for quick troubleshooting, planning of downtime/refurbishments and creating confidence in the network."

Recently the company has introduced the

diagnostics slave functionality of its ProfiHubs. The functionality delivers accurate diagnostics of networks with mixed architecture down to the last device. The diagnostics slave functionality can identify and pin point errors and events in an industrial network with the utmost precision, helping prevent and or reduce network downtime.

PROCENTEC has also developed and produced a revolutionary new tablet, PROCENTEC Mercury. With operations and processing increasingly moving towards Industry 4.0, mixed architecture among networks and systems are becoming notably present. This has led to facilities needing to cater for older networks and industrial Ethernet networks having to work alongside each other. Subsequently, PROCENTEC has developed and introduced PROCENTEC Mercury.

The device is a portable tablet that boasts a cross platform software package, ideal for troubleshooting, maintenance and monitoring industrial Ethernet and PROFIBUS networks all achievable through in-the-field use of PROCENTEC software. When the tablet is plugged in to an industrial Ethernet network, it produces an overview



of all devices the manner in which they are connected to the network, such as the topology.

All important information about a connection or a device is clear and easy to view, and data collected all conforms to NAMUR NE 107 standard. The PROCENTEC Mercury can also be plugged into a PROFIBUS network, and can detect failures such as noise, reflections, voltage drops, termination problems, double addresses, wire breaks and configuration faults.

This year the ownership structure of the company has undergone some changes, adding Pieter Barendrecht (CEO), Mathew

Dulcey (CCO) and Raoul Heesters (COO) to the owners of the company. Linda Lambertina explains, "As a company we want to accelerate our growth through creation of new and innovative solutions which allow engineers to go home on time, reduce waste and simultaneously add economic value to the company." This year PROCENTEC will be exhibiting at the SPS in Nuremberg from 26-28 November wherein the company plans to announce its biggest release to date.

For more information on PROCENTEC see the details listed below.

M +44 (0)7534 307696
www.procentec.co.uk

PROCENTEC

100 years of Kingston Engineering



Kingston Engineering is one of the UK's leading manufacturers of bespoke power screws. Based in Hull, the company offers a vast selection of materials and specifications designed to suit their clients' requirements.

With a history dating back to 1919, Kingston Engineering has specialised in manufacturing Right Hand/Left Hand, single/multi-start, cut thread Power Transmission Screws and Nuts for over 60 years. Adaptable for mechanical power transmission, their products conform to the standards of British, European and American requirements. All of Kingston's products meet ISO 9001-2015 accreditation and are examined thoroughly during the manufacturing process.

Kingston Engineering's screws can be used in a range of applications across multiple industries, including aerospace, oil and gas, nuclear energy, the chemical and medical fields. The company works closely with both suppliers and end users to provide the best purpose-built screws possible, with customers across the UK and the US.

The company started trading as Hull Motor Transport and Engineering Co, manufacturing pistons and providing cylinder grinding. Robert Markham and Thomas Simpkins, the company's original directors, focused on offering a bespoke service, which is something the company still upholds today. With only 10 employees, expansion was nevertheless on the horizon, enabling the company to provide general engineering services and build a renowned reputation for repairing both saw milling machinery and printing machinery.

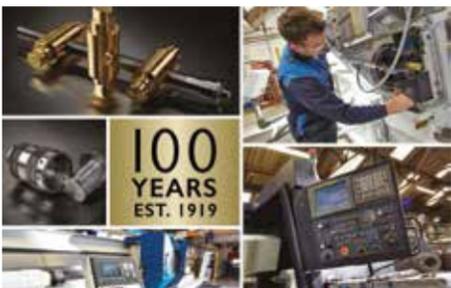
The company became Kingston Engineering Co. Ltd in 1924 and started developing manufacturing screws in 1930. Growth during decades marked by World War One and World War Two was challenging, however 1930-1945 saw expansion for Kingston Engineering, with World War Two bringing a need for manufacturing components for aircraft undercarriages.



After World War Two, the company operated from a larger site in Pennington Street and began to specialise in screw manufacturing. Kingston Engineering began to install modern machinery, giving them the perfect platform to grow and open new markets in Australia and South Africa.

In the sixties the company moved from motor sales to industrial sales, with further investments in its factory, export market, modern machinery, product range and 'Off the Shelf' service. Kingston Engineering now had extremely well-equipped workshops, enabling them to accommodate facilities for milling, shaping, welding, grinding and turning.

Kingston Engineering further expanded their factory premises and their product range, leading to a vast range of screws, sprockets, chains, pumps and bearings. They also expanded their sprayed coating services and began



exporting across Europe. The eighties saw digital technology further increase Kingston Engineering's already established skillset.

Now, Engineering provides a quick, efficient service with help from their 40+ workforce. Recently, they invested in a new Mitutoyo Euro M544 Measuring Machine, a significant tool for their inspection department. The machine allows the measurement of an object's physical geometrical characteristics. The machine creates printed inspection

reports and is controlled by an operator, with measurements designed by a probe attached to the machine's third moving axis.

It is clear to see that over the years, the company has significantly invested in their machinery for continued success. The current directors have more than 100 years of experience between them and are continuously engaging in plans to help the company become global leaders in screw manufacturing.



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A History Built On Engineering Excellence

At Kingston Engineering, we have been providing engineering excellence to our customers since 1919. Today, as one of the UK's leading specialist manufacturers and producers of specialist Power Screws, we continue to build on a strong foundation of skill and expertise.

Backed by a focus of continued investment over the decades, our global presence as precision engineering specialists is testament to how Kingston Engineering has evolved through the decades, from when we first started out in 1919.

Our Heritage

With a wealth of experience built on the foundations of engineering skill and expertise, Kingston Engineering has shown great flexibility and responsiveness to change across the decades. Through a time frame marked by the end of World War One, through World War Two and the decades that followed, our success has been backed by engineering knowledge and experience.

EST. 1919

It is this dedication to advancing our skill level and our ability to constantly evolve and innovate that is characteristic of our story. This still remains the very cornerstone of Kingston Engineering today and the very measure of our success as precision engineering experts.

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Flow waterjet ups the ante with Joe Gibbs Racing

Flow International Corporation, a leading developer and manufacturer of ultrahigh-pressure waterjet solutions for cutting applications, has announced a new partnership with Joe Gibbs Racing.

A current competitor in the NASCAR Monster Energy Cup Series and the NASCAR Xfinity Series, North Carolina based Joe Gibbs Racing is looking to Flow's elite waterjet technology to support the team's endeavours during the 2019 season and beyond.

Joe Gibbs Racing has added a Mach 500 4020 with Dynamic XD® cutting head and Hyper Jet® Pump to its production operations at its Huntersville facility. With high-precision, multi-axis capabilities, the addition will expand the team's ability to design and manufacture custom performance parts necessary to maintain a competitive edge on the track.

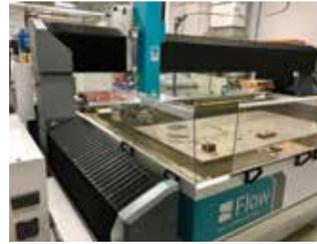
Mark Bringle, technical activation manager of Joe Gibbs Racing says: "At this level of competition, precision is everything. This machine is the perfect combination of reliability, accuracy and speed we need to produce the parts that keep our cars at peak performance. This is a huge opportunity for us."

As one of Flow's signature workhorse systems, the Mach 500's precision engineering makes it the quickest and most accurate production waterjet on the market. The team's newly acquired unit is configured with a Dynamic XD® cutting head, capable of complex bevel and compound angle cutting with 5-axis motion for maximum flexibility as well as Flow's Hyper Jet pump creating ultrahigh-pressure up to 94,000 psi. Jim Jenson, president of Flow International, comments: "It's exciting for me to see our products contribute to real world results at the highest competitive level and as a personal fan, it's an honour to give the team over at

Joe Gibbs Racing the tools they need to succeed. Partnerships like this one are why we strive to be the best we can be.

This season, Flow is represented on the legendary No. 19 car, driven by full-time NASCAR Xfinity Driver Brandon Jones.

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www.FlowWaterjet.com



New CP35 Series of industrial grinders for metal working applications

Good news for anyone involved in industrial metal working looking for a powerful, high performance tool at an affordable price. Chicago Pneumatic introduces a new series of industrial grinders/sanders to help users achieve a high-quality finish with minimal effort that is cost effective. The breadth of choice, including straight and angle die grinders with short or extended reach, further ensures that this series offers users a comprehensive and powerful range of pneumatic material removal tools.



This new series of pneumatic tools is designed for use in high volume metal casting and fabrication environments. Combining high power with industrial durability, and is ideal for tasks like grinding, chamfering, weld preparation and cleaning, cutting, finishing and sanding; along with many other industrial MRO applications.

The CP3550 series of pneumatic grinders and sanders has been developed to help users achieve a high-quality finish with minimal effort every time. All tools in the range boast a powerful motor to ensure optimum surface preparation results in the shortest possible time. For example, the new angle grinders in this series boast a powerful 1.5 hp (1100W) governed motor, providing a high material removal rate and enabling users to reduce the time taken to complete their tasks. The new angle grinders are available in different abrasive capacities: from 4" to 5" (100mm to 125mm), offering users the ability to select precisely the model that matches their preferred abrasive.

For more info Contact: 01442 838999

See the new CP3550 series in action on YouTube here: <https://youtu.be/PhP5muog638?list=PL2D064BA4E8CFB072>

How to choose a screw drive

In this brief guide, Kevin Moorcroft explains some features of different screw drive types.

Anyone regularly using simple slotted drive screws – with a traditional straight bladed screwdriver, will be aware of its shortcomings, and with a power driver then even more so. The old-style slotted drive will "cam-out" easily, is almost impossible to centre and if the tool or slot is even slightly worn, then is extremely difficult to install or remove. Consequently, with the need in industry for a faster, more reliable approach a variety of different styles are now available.

The first seems to have been the Phillips – a cross-head design centred in the screw head with a matching drive tool, either manual or powered. The sides of each blade are slightly tapered and rounded so that the tool will rise out of the cross-head rather than break off the head. However, this limits tightening torque which led to the Pozidrive screw with flat sides and a more sophisticated design so as to engage more firmly with the driver, enabling much higher torque values to be achieved.

Importantly from an efficient assembly point of view, the self-centring action of these drive styles greatly aids ease and speed of use, either manually or in automatic feed systems. A more recent development is the six-armed star Torx™ approach which is a precision parallel-sided design for higher torque and finds great popularity in the motor vehicle industry.

Interestingly, one of the oldest head styles and still one of the highest performing and commonest is the hex drive – with internal socket formed in the head or with external hexagonal shape to accept a socket wrench tool. Internal hex drives, often referred to generically as Allen key drives, are a precision drive with high performance, available in an extensive size range, whereas the traditional external hex head is more common on lower cost bolts and setscrews.

Machine screws, bolts, self-tappers, self-drilling screws and woodscrews are all available with at least two or three of these drive styles and making the right choice can make or mar an installation or assembly process. In case of doubt, consulting with your supplier is always advised.

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Health & Safety Update

U-Power's Winning Red-Up Energy-Return Safety Shoe Upgraded with New Red-Up Plus

Following on from the enormous success of its Red-Up safety footwear, Italian safety shoe manufacturer U-Power has further developed its innovative concept of energy-return footwear to launch the exclusive, multipurpose, Red-Up Plus.

Whether you work at a fixed workstation, walk a fair distance, or move around dynamically as part of your job, the clever Red-Up Plus provides all the energy return of the Red-Up, while enhancing performance, comfort and balance even further with a new anti-fatigue insert in the heel of the shoe.

Made from High Rebound Elastopan®, a revolutionary new material from BASF, the insert uses the same material as used in anti-fatigue matting, giving the wearer the equivalent of their own personal anti-fatigue mat.

The shoe stimulates the foot to continually revitalise blood circulation and energy through the legs and feet, so eases fatigue and positively affects the whole body, relieving neck, back, leg and joint pain and providing exceptional comfort.

Although they look like the latest trainers, the stylish and flexible super-lightweight Red-Up Plus shoes hide a multitude of protective and safety features, such as an aluminium safety toe cap, a non-metal pierce-resistant midsole, a honeycombed lining providing the best possible breathability, and very high slip resistance, far exceeding European Standard EN 345.

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Head and Eye Protection become one

The new EVO®VISTA™ Helmet is an innovative next generation feature rich helmet which incorporates a fully retractable optical class 1 faceshield or overspec within the helmet. JSP's Research and Development team were inspired by feedback received from people who regularly have to wear head protection alongside eye protection. A common theme was not only the compatibility issue but also the amount of eyewear lost or damaged on site after issue.

The EVO®VISTA™ Helmet has not only been designed to meet a standard but to exceed it on many levels. It combines a super strong ABS shell with the choice of either a EVO®VISTAlens™ or a EVO®VISTAshield™ depending on the levels of protection and performance required.

The EVO®VISTAlens™ functions like a spectacle but offers increased levels of protection to EN 166B 2C-1.2 FT and the

EVO®VISTAshield™ conforms to EN166 2C-1.2 with impact rating of grade AT. Both are optical class 1 and have anti-mist and anti-scratch coatings offering impact protection at extreme temperatures and UV protection.

JSP prioritise the needs and safety of the wearer and the safety cell concept of the EVO®VISTA™ Helmet with the dual shell technology demonstrates this commitment by providing additional protection.

The EVO®VISTA™ Helmet is fully compatible with JSP respirators such as the Force™8 PressToCheck™ and the Sonis® helmet mounted ear defender range.

<https://jpsafety.info/EVOVista>



4-WAY STRETCH FLEXIBLE COMFORT FROM ENGEL WORKWEAR

Recognised for its comprehensive range of well fitting, stylish and practical workwear, Danish manufacturer ENGEL build further on their reputation in the UK with the introduction of their new 'X-Treme' 4-Way Stretch work trousers.

Designed to allow as much flexibility as possible whilst kneeling or bending, the slim-fit trousers feature a 4-way stretch 'breathable', cooling fabric which quickly absorbs and dries light perspiration.

The knee-pad pockets are reinforced with hard wearing Kevlar Teramid and have two options for pad height adjustment; in addition to the many useful pockets for keeping essential tools and accessories immediately to

hand, some of which have either Velcro or zip closures, optional hanging tool pockets can be attached to the waist; the trousers also have extra deep hems so that lengths can be increased if required. Made from 73% nylon, 17% cotton and 10% elastane, the 'Engel X-Treme 4-Way Stretch' work trousers are available in a variety of colour combinations and in all popular sizes; Engel Workwear will be on stand E05, Hall 3 at the Dusseldorf A + A 'Safety at Work' Exhibition 5-8 November 2019.

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www.engel.eu/en



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Improve on-site safety with temporary site safety banners

Site safety banners are a simple and cost-effective way to increase on-site safety at any facility.

SafetySigns4Less, a trusted supplier of safety signage to UK businesses, has designed a range of affordable site safety banners that are easy to install and reusable.

Manufactured with high-quality 550gsm PVC, the medium-duty banners are weather-resistant making them suitable for both indoor and outdoor use. Each banner comes complete with 6 brass eyelets, allowing for hassle-free mounting and protection of the banner mounting holes. Once used, the banner can simply be wiped clean and rolled up for future use, saving time and money for projects to come.

As with all SafetySigns4Less signage, the banners are manufactured at the companies print shop in Poole, Dorset. By manufacturing directly, the organisation can ensure product quality and pass on cost savings to its customers, obtained by not using third party suppliers. This enables SafetySigns4Less to be arguably the lowest price supplier of ISO 7010 compliant safety signage in the UK.

To view the full range of site safety banners and place your order, visit www.safetysigns4less.co.uk or call the SafetySigns4Less team on 0808 1699 147.



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<p>Smoking Signs</p> <p>Our price £2.00 Their price £5.26</p>	<p>SAVE 62%</p>	<p>Warning Signs</p> <p>Our price £3.40 Their price £7.70</p>	<p>SAVE 56%</p>

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Prices and savings correct as of 02/10/19

Lifting the lid on capping, coding and filling experts

Industry Update is proud to announce that Cap Coder has been chosen to receive our Outstanding Achievement award.

With well over 40 years of experience in the industry, Cap Coder specialises in the design and manufacture of standard and bespoke solutions for capping, coding and filling. Over the last few decades, the company has cemented its status as an industry leader, and is dedicated to fortifying this reputation through constant development and growth while maintaining the personal touch that comes with being a family run business.

Established in 1974 by Lou Bates, the grandfather of Ross Prior, the current Managing Director, Cap Coder became a Limited company in 1976 and has reaped an impressive array of accolades since. Based in Oxfordshire, the company works with clients in the UK and abroad, using its years of knowledge, skill and expertise to establish a strong and loyal customer base.

Indeed, Cap Coder is committed to spending time getting to know its customers, making sure it listens and understands their needs to ensure it provides the most appropriate solution every time. With a core ethic of providing outstanding customer service and support, Cap Coder's first class and flexible results are guaranteed to exceed expectations. "We are a close knit, family run business and lots of family members are involved with the company, and we maintain a very straightforward environment and welcoming atmosphere," Ross explained.

Using a solid foundation of trust and integrity, Cap Coder offers proactive and supportive service with realistic and competitive pricing, all of which is underpinned by innovative design, engineering and manufacturing capabilities. What's more, Cap Coder is agile enough to meet the changing needs of its customers, responding to developments in engineering and packaging by developing new products to cope with emerging challenges. By investing in an ongoing programme of investment, Cap Coder is well-placed to meet its customers' fluctuating needs. Indeed, Cap Coder actively encourages its customers to call and discuss their specific requirements, with the company's team of technical experts always putting its customers' needs first.



With this outstanding customer service at its heart, Cap Coder provides its machines for a wide range of industry sectors, including toiletries, cosmetics, pharmaceuticals, vaping, complementary medicines, chemicals, and food and beverage. Within this assortment, Cap Coder's machines are used for an even broader range of products, catering for all shapes and sizes of bottles, jerry cans, tamper evident caps, pump action spray caps, and trigger spray caps. All machines are accredited to ISO 9001-2008 standard, and come with a Certificate of Conformity/Incorporation to further highlight



the quality and validity of the company's technology. Indeed, Cap Coder's extensive range of machines means the company can cater for any customer, no matter the size or project. Its range includes machines for screw cap tightening to the desired torque, press on capping, plug insertion, liquid filling, agitator ball insertion, conveyor, and ATEX zone 1 and 2 compliance.

Most importantly, all machines are made in the UK and designed in house, ensuring Cap Coder can manage everything, from design to manufacture to after sales care. "We do everything in house, including design, machining, fabrication and assembly," explained Ross Prior. "This means we have total control over the entire process. We are also proud to offer bespoke machines, a rare feat in the UK market."



Indeed, Cap Coder's facility to offer bespoke machines helps the company to maintain its position at the forefront of innovation. We asked Ross to elaborate on the unrivalled experience a customer can expect when looking for a customised project from Cap Coder. "If a customer would like a bespoke machine, we invite them to the factory where they can discuss the style and operation of the machine, and what they want/need it to achieve. We look after the project right from these initial stages all the way up to producing the final machine for the customer. We are proud to offer full, comprehensive solutions no matter what their needs.

"We recently built a bespoke filling machine for an existing customer. They wanted a design we had for a capping machine to become a filling machine, and wanted the operator to only have to change the starwheel rather than having to change and move individual nozzles where they could have set them incorrectly, essentially making the product changeover fool proof."

Indeed, the customer was more than satisfied with the outcome, as the following testimonial demonstrates. "We have had a great experience working with Cap Coder. We have bought a number of machines from them now including the latest CC560 filler. When we first approached Cap Coder with our filling machine brief, they used their knowledge and creative touch to come up with a totally new idea for us. We needed a compact machine, with quick changeovers, and fast, reliable operation. The machine they created for us achieved all this and more. It has helped us rapidly increase our production process to keep up with our 50% growth rates, whilst sticking to LEAN principles of manufacturing. We would definitely work with Cap Coder and I can highly recommend them." – Thomas Laird, MD of Crystal Spring Consumer Division Ltd.

With 40 years of unprecedented success, Cap Coder has exceedingly high expectations to live up to. Thankfully, the company is never one to rest on its laurels and the past year has seen further success for the innovative company. "The last 12 months have been brilliant," Ross said. "We're still growing consistently, as we have done for the last three years. We are always expanding our portfolio, offering an increasing number of capping and filling machines in addition to our established capping machine range. We're hoping to continue this expansion over the next few years. Also, our sales have been even better than expected, with the numbers being up on last year's."

To bolster this success, Cap Coder has employed some new staff members who have brought a wealth of experience to the company. "18 months ago, we took on a new Operations Director who has made a massive difference to the company, significantly reducing lead times and improving internal systems. The company also welcomes two new sales engineers and well as two new mechanical designer engineers"

We asked Ross what he was most proud of and he responded with, "We are massively proud of not only being a British company but a British company that designs, manufactures, supports and indeed exports its own products around the world. I am also so very proud of the team who have made

all the growth possible. It's a tight, hard working group and they are all totally on board with me, pushing in the same direction. It's very reassuring feeling to be able to stand back from it all from time to time knowing that the key players are there pushing it on with the company's best interests at heart."

We also asked Ross, what sets Cap Coder apart from its competitors?

"Without doubt our strongest point is flexibility. The flexibility to adapt and change whatever is needed to meet customers' demands, not only from a mechanical aspect but also from a controls point of view. We often get asked to design in certain features such as a special sensor to detect something out of the ordinary.

"For example, we have just been asked to incorporate a vision system into one of our machines where once the torque head has finished cap tightening, it then picks up the bottle and slowly rotates it while the camera looks to detect a code on the bottle. Once detected, the torque head stops, lowers it onto the conveyor and releases it.

"This application is fairly straight forward but we have been challenged with some very technical situations. Luckily our Technical Director is nothing short of brilliant and there is no problem he hasn't been able to overcome yet. It is due to this we are indeed becoming more of a 'solutions' company for some of our customers."

Another recent development was the release of the Micro-Mono Bench Top Filling and Capping machine, used heavily in the e-cigarette industry. "This is a revised version of a previous model," explained Ross, "and it can go from manual operation to being fully automatic. I've been told repeatedly that for its size and price range it is unbeatable in the industry, and it is one of our bestselling machines as well as being one of the most cost effective."

Cap Coder offers one of the most comprehensive ranges of capping machines in the industry, providing anything from low volume bench top machines to fully automated production systems. The company's solutions boast multi-functionality, designed to accept modular work stations, with fully automatic PLC control and a simple human-machine interface.

As well as the new range of machines including the Mini Mono and Micro Mono, Cap Coder has been designing a new range of filling machines due to popular demand.

Ross stated, "We have been incorporating fillers into our machines for many years now and have had much success using gear fillers recently, driving them with the Schneider Servo motors we know and trust. Using these motors and the new HMI/PLC combos we can program in some very useful functions and due to repeated requests from customers, old and new, our machines have morphed from capping machines with an integrated filler, to totally dedicated filling machines."

As well as its extensive range of high-quality machines, Cap Coder understands the ongoing maintenance needs of its customers, and provides outstanding after sales care. Establishing solid, longstanding relationships with customers, Cap Coder boasts an expert team of service and support engineers which prides itself on reacting efficiently to customer needs. This guarantees that Cap Coder's customers can maintain an efficient working machine.

Furthermore, Cap Coder understands that even the most



reliable of machines need spare parts from time to time, in order to replace components that may have worn out. This is no trouble for Cap Coder, who can provide customers with any spare part for any of its machines, and arrange a visit to fit the part if required.

If this wasn't enough, Cap Coder can also cater for any increase in its customers' product ranges. If such an increase occurs, the customer may want to run their new products through their existing Cap Coder machine. Thankfully, all of the company's machines are designed to accommodate new products by using change parts which have been specifically designed to fit each of its customers' individual products.

This fantastic selection of aftercare services ensures that Cap Coder establishes and cements long-term relationships with its customers, adding further renown to the company's enviable reputation within the industry.

These accomplishments are only set to continue, as Cap Coder has continuing plans to develop its already impressive product range. "We want to keep expanding," explained Ross. "We're developing increasingly faster machines, and we have just started designing a 120 per minute machine." Indeed, Cap Coder ensures it has its finger on the pulse of the industry's latest developments, and has a range of exciting projects in the pipeline to further address its customers' needs.

Boasting a 40+ year history of outstanding manufacturing capabilities and unequivocal customer service, Cap Coder is fortifying its industry-leading status with each year that passes. Without question, the company is well-deserving of our Outstanding Achievement award, "I feel great! It's fantastic to have received this award," Ross concluded.

Cap Coder can be found at a number of trade shows throughout the year, including the Hemp & CBD Expo in September at the NEC, Birmingham, and the White Label World Expo at the ExCeL Centre, London in November.

If you would like to find out more information on Cap Coder's full range of machines and services, head to the website. Alternatively, get in touch using the contact details below.

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www.capcoder.com



AGTOS GmbH fortifies status as leading shot blasting company

Industry Update is proud to announce that AGTOS GmbH has been chosen to receive our Shot Blasting Company of the Year Award. Founded by a group of exceptional individuals who live and breathe shot blasting technology, AGTOS GmbH began its operation in October 2001 and has since sold its machines to over 50 countries across the world.

With headquarters in Emsdetten, northern Germany, and a second plant in Konin, Poland, AGTOS GmbH is a leading specialist in wheel blasting. The company's machines are used for de-rusting, roughening, shot peening, cleaning and deburring of predominantly metal surfaces, with customers based in a range of industry sectors including foundries, automotive, machine building, aluminium, and metalworking.

"From the treatment of millimetre sized chain parts, up to steel constructions with the size of

advantageous for companies who need a shot blast machine for the short term, or who want to use one temporarily.

AGTOS GmbH prides itself on its outstanding customer service. Its relationships with its clients are a key component of its ethos, and the company offers spare parts and upgrading for shot blasting machines from other OEMs. What's more, AGTOS GmbH can tailor the machines to the specific needs of the customer, to make sure they receive the best and most appropriate solution for their requirements. This customisation concerns the transport of the work pieces, as well as the spatial conditions and the quality requirements of the surfaces.

One product range of particular interest is AGTOS GmbH's drum blast machines. These are state-of-the-art machines which are based on an old proven principle. With numerous impressive technical details, these machines

from AGTOS GmbH are ideal for processing bulk materials. Compared with the widespread troughed belt principle, the drum blast machines boast a number of important advantages. Because the drum is made from a single part, transitions from moveable to fixed machine parts are avoided, which prevents parts becoming trapped. Furthermore, the drums can be emptied more easily, avoiding

double machinery of individual work pieces.

"We have also been developing our machines for the fasteners industry. Our drum shot blasting machines have huge advantages when treating small parts like screws and washers, and they are installed into big production lines in conjunction with automation systems.

overseas containers, there are no limits to the operational capability and dimensions of AGTOS GmbH's machinery," explained Ulf Kapitza. Indeed, AGTOS GmbH's machines are widely considered as robust and easy to use, designed for 24/7 operation. Furthermore, in addition to this machinery, AGTOS GmbH offers high quality second hand shot blast machines, which is



"The last 12 months have been very busy for us," Ulf explained. "Due to many investments within the industries we serve, the need for high quality shot blasting machines is growing exponentially. As a result, the company has seen impressive developments, with sales better than forecasted."

Indeed, AGTOS GmbH's goal is to always find the best solutions for its customers. It places great value on training and the further education of its employees, investing in the company's future and ensuring every new customer gets the same world-class support and service. This philosophy is clearly working, as AGTOS GmbH's huge successes have led to an expansion of its plants in both Emsdetten and Konin in order to cope with the growing demand for its machinery.

"Since we were established, we have undergone rapid development, with change becoming the norm. We expanded the plant in Poland four times and enlarged our headquarters in Germany. In conjunction with this, we have implemented changes to our working processes. This is important to us as we are orientated to the market and the needs of our customers."

With an unrelenting commitment to offering the very latest innovations to its customers, AGTOS GmbH recently designed some shot blasting machines especially for the Aluminium industry. "Aluminium as a material for workpieces has some special features and our machines are designed to treat it in the right way. More and more aluminium is used as abrasive within the machines – as it is lighter and has different physical characteristics from steel, our designers took these differences into account."

Indeed, AGTOS GmbH's dedication to addressing the precise needs of its customers is what makes it an ideal choice for companies working in a variety of sectors. "Before anything else, we have a very close look at what the customer really needs," explained Ulf. "This means we start with a detailed analysis of their requirements, including the needed performance of the surfaces, the quantities of workpieces they want to treat and the space available for



the process."

Thanks to AGTOS GmbH's proven ability to offer its customers shot blasting machines and services of the highest quality, it is well-placed to explore an even greater range of applications for its technology. "There are still some very interesting fields within the blasting technology world which we would like to develop further. As our customers change we develop along with them to make sure we can offer the solutions they need. Our philosophy is to be the number one manufacturer with the best solutions in shot blasting technology.



"We are proud to be selected as Company of the Year by your team. It shows we are on the right path and we hope that we will be able to welcome more English customers," Ulf concluded.

If you would like to find out more information on AGTOS GmbH, head to the website or get in touch using the contact details below.

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Professional sign and label printers & consumables for endless applications

Industry Update is proud to announce that Rebo Systems has been selected as our Labelling Company of the Month, for its range of high quality professional label printers and consumables for a range of industrial applications.

Established in 1976 by Rob Richmond, Rebo Systems is a family owned business based in Soest, Netherlands, with over 28 distributors internationally and regional offices in Belgium and in Finland. Dedicated to excellence, Rebo Systems focuses on the 'triangle' of the printer, the software, and the materials, with quality and service central to all three. Noticing a gap in the market, Rebo Systems was born out of a need for safety signs to be installed that have a

unique safety message, could be produced in minutes to meet the hazard as it emerges, and could be relied upon to stay in place, rain or shine, for years.

This need then spread into technical applications where equipment identification, cable and wire identification, maintenance labelling, logistical labelling, manufacturing identification and 'part of product' labelling required on-demand, low volume and highly durable signs and labels, which could not be delivered cost effectively in the time and quantity by external suppliers.

Rebo Systems originally resold other companies' products or delivered a tailored OEM package that comprised of a printer adapted to the purpose of

printing on non-paper based materials, a bundled design software (that was easy to use to create the signs and labels and contained all the necessary graphics and icons required by current legislations), and a manufactured range of materials to run in the printers that would perform in aggressive industrial environments.

Currently, Rebo Systems is one of only five enterprises globally servicing the in-house, industrial sign and labelling market. This market is a finely defined, niche market which is totally separate from the pre-printed and mass volume market commonly associated with signs and labels. Its products allow end users to design and print industrial quality signs and labels in low to mid-level quantities, both in house and on demand. These labels are printed on vinyl and polyester, making them highly durable and therefore ideal for a range of applications including health and safety, maintenance, process labelling, technical labelling and manufacturing across all industries.

Print, Packaging & Labelling Update



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A key area of Rebo Systems' competence is the sourcing and manufacturing of materials that meet the ever changing needs of the customer. The company's high quality materials have various strengths of adhesive, various hot and cold tolerances, glow in the dark, aggressive chemical resistance, high-vis, reflective, anti-tamper properties, cable and wire adaptations, and tagging materials, with Rebo Systems constantly adding to this list of features to ensure customers' needs are met.

As well as sourcing these high quality and versatile materials, Rebo Systems uses innovative technology, involving thermal transfer through a coloured ribbon onto a receptive material. Thermal transfer printing remains the simplest and by far the most durable method for this purpose. Other technologies like ink jet cannot meet the durability requirements, especially UV resistance, and the range of receptive materials with the correct ink chemistry remains limited. The print heads also remain highly complex and prone to ongoing servicing.

Indeed, Rebo Systems is consistently adding value to the market, and recently decided to design and manufacture its own product, the SMS R1, which is specifically designed for the market it services. Currently there are only three large corporations that manufacture products rather than OEM existing products; two are American and one is Japanese. Rebo Systems is the first European company to take up this challenge and, as an SME rather than a multi-million dollar enterprise, this was an enormous challenge but also a key strategic decision for the company.

The SMS R1 is a hybrid 'desktop' product that will print in multiple colours and cut in any shape, with the ability to print up to 10 spot colours. This was designed in response to the wishes of end users and various gaps in the market, creating a product which Rebo Systems believes to be the best in-house sign and labelling system available.

The company's website www.rebosystems.com is full of product information, useful downloads and informative videos.

Contact Clinton Church on clinton@rebo.nl
Tel: +32499709431



Seamless, sophisticated and sustainable

Tarkett's new DESSO Orchard carpet tile collection brings a slice of the great outdoors to commercial interiors. The unique design mimics the visual effect that's created when viewing a cluster of planted trees from above. Irregular grid patterns are used to create this, as well as adding texture and interest to large-scale commercial projects.

Tarkett has fantastic credentials in championing sustainable products. The Orchard collection is Cradle® Silver certified and comes with DESSO EcoBase® backing as standard.

Contact
T 0800 328 2115
uksales@tarkett.com
www.tarkett.co.uk

Extremely versatile, the range is available in a palette of twelve colours, which allows Orchard carpet tiles to be combined in various tones to create differentiated 'zones' in large spaces.



Introducing Our Brand New 2020 Catalogue

Introducing our all-new 2020 catalogue; a comprehensive product guide which showcases all of our most recent innovations and product line extensions.

Designed to make it simpler for builders, engineers and architects to select the right product for their requirements, the catalogue boasts our widest range of products to date.

Alongside the UK's largest collection of connectors for timber and masonry construction, sit numerous new products, including the GPC, Gable Panel Connector, which solves the problem of the connection detail between the masonry wall, the wall plate and the bottom rail of the gable panel. Also new for 2020 are a high movement timber frame tie, decorative and a heavy duty post bases, an adjustable mini hanger, purlin anchor, twisted restraint strap and a 4mm reinforced angle bracket.

To simplify product specification, the catalogue contains comprehensive technical data, performance characteristics and safe working loads, as



well as easy to follow installation instructions.

Managing Director, Malcolm Paulson explains: "It's been a busy time for us at Simpson Strong-Tie, we've really pushed the boat out to increase our core product range, engineered to stand the test of time. With our new enhanced product lines, along with our rapid made-to-order service, we really can say that if we don't have it – you don't need it".

The new catalogue is now available in print on request, and online in the Resources / Literature Library. Simpson Strong-Tie continues to develop a wide range of connector solutions to help you build Safer, Stronger Structures.

T 01827 255600

Cinderella Incineration Toilets – the burning questions answered by LeeSan

What are they:
 Cinderella incineration toilets burn biological waste at high temperatures, leaving only an insignificant quantity of fine, harmless ash, amounting to the equivalent of about one teacup for four people during one week of use. The toilet may be used around 70 times before emptying is required.

Cinderella incineration toilets are currently installed by over 60,000 users worldwide.

How do they work:

Waste is burned in an integral combustion chamber. The harmless gases from this combustion are dispersed through a vent pipe. In contrast with other toilet systems, incineration toilets eliminate all waste on site without the need for connection to the main sewer or septic tank.

Correctly used, Cinderella incineration toilets are odourless, hygienic and safe, providing a user experience similar to a normal domestic system. The user simply inserts a paper bowl liner, uses the toilet then presses a button or lever to evacuate and incinerate the waste. Cinderella toilets are suitable for all ages including children.

Where can they be used:

Available around the world for decades, incineration toilets are a commonly used alternative in residential and commercial applications without easy access to public utilities. These include mountain cabins, remote areas, tiny homes, off-grid structures, mobile homes, boats and many more. They do not require a water supply or septic system.



Power requirement:

Cinderella incineration toilets use either 240v electricity or gas as the combustion energy source.

LeeSan are the sole UK distributors for Cinderella Eco Solution incinerating toilets.

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www.leesan.com

Pick up your copy of our brand new Connectors for Timber and Masonry Construction 2020 Catalogue.

Designed to make it simpler for builders, engineers and architects to select the right product for their requirements, the new catalogue boasts our widest range of products to date.

Building Safer, Stronger Structures.

NEW

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ERA keeps child safety in mind

With the summer months fast approaching and windows open for much needed ventilation, a window restrictor is an essential safety device, especially for those with children. However, merchants may be surprised to learn that few products on the UK market comply with the strictest child safety standards. The good news is that the Safety Locking Cable Restrictor, from home security specialist ERA, passes all British Standards, including tests to Grade 3 Impact resistance of BS EN 13126-5.

Suitable for both domestic and commercial use, the Safety Locking Cable Restrictor has been designed for universal use on all windows and balcony doors including timber, aluminium and PVCu. Ergonomically designed for easy operation, the device provides retailers and householders alike with absolute peace of mind when it comes to enhancing safety in the home.

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Designing the adhesion technology of tomorrow



Industry Update is proud to announce that Radisurf has been selected as our Adhesion Technology Company of the Month, for its development of leading nanocoatings and adhesives for a range of manufacturing applications, including automotive, electronics, medical devices and sensors.

Radisurf was established in 2015 by Professor Kim Daasbjerg, Associate Professor Steen Utrup Pedersen, Associate Professor Mogens Hinge and PhD Mikkel Kongsfelt, who wished to bring a unique innovation from laboratory scale all the way to high volume markets. Based in Risskov, Denmark, the company provides

functional nanocoatings and nanoadhesives for the bonding of different materials in production. This results in improved performance of bonding between hard to bond material combinations, such as plastic materials to various metals, glass, ceramics or even other plastic materials and composite materials.

One of Radisurf's key offerings is its RadiPrime™ Metal-Epoxy Primer System; this consists of nanoprimers for the bonding of plastic materials, such as TPU, PVDF and PPS, onto metals, glass, and ceramics. "This technology is especially innovative in that it has the ability to de-bond materials again, reversing the bonding process to disassemble products for the clean recycling of materials at the end of product life," explained Mikkel Kongsfelt.

Using RadiPrime™, manufacturers can

achieve highly robust, secure and stable bonding between metals and epoxies, boosting adhesion capabilities and lowering the risk of epoxy underperformance while ensuring a tighter bonding interface. Suitable for bonding with almost any metal and metal alloy, RadiPrime™ is compatible with most types of epoxy-based adhesives and coatings, improving adhesive strength by up to 50%.

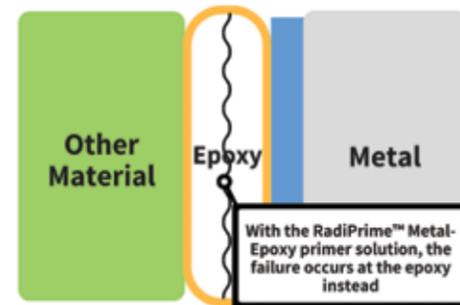
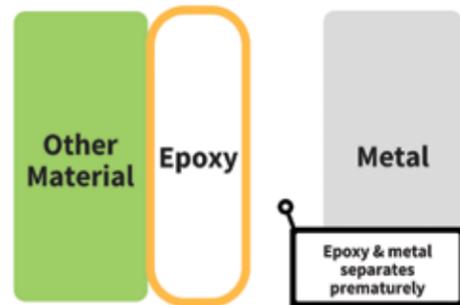
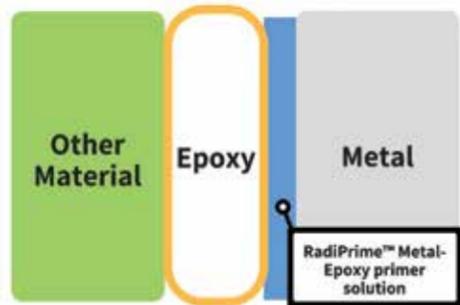
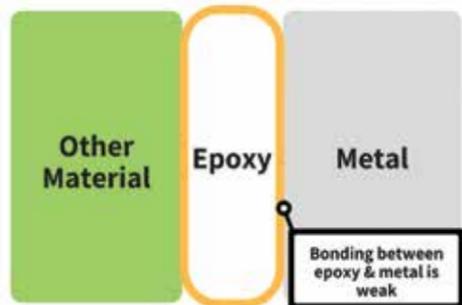
What's more, using RadiPrime™ leads to a significant improvement in adhesive stability and a minimal bonding failure rate. The primer layer is nanometer thin and virtually invisible, and the need for mechanical surface pre-treatment is greatly reduced. Moreover, RadiPrime™ fits easily into manufacturing or production processes, with treated surfaces remaining stable for months before the final adhesion/coating step, meaning that priming and adhesion

can be done separately.

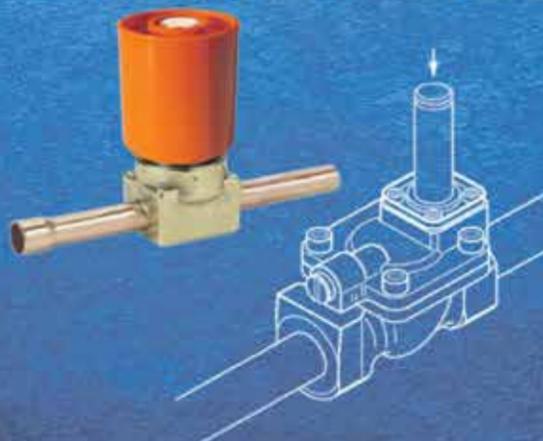
Having released its first products to the market featuring its innovative technology, Radisurf is now aiming to scale up its offering to create its first high volume productions. Indeed, after showcasing its bonding and nanocoating solutions at the Advanced Materials show in Telford, Radisurf welcomed lots of attention from visitors, putting it in a prime position to expand its offering in the near future.

If you would like to find out more information on Radisurf's full range of solutions, head to the website or get in touch using the contact details below.

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Digital Edge Subsea is on the cutting edge of subsea technology



In 2009 Digital Edge Subsea began producing the original EdgeDVR, a single channel SD digital video recorder and inspection system. The product came about as a result of the challenges that co-founder John Benson had encountered when working offshore having to use inspection systems that were overly complicated, unintuitive and frequently accustomed to failure. Since 2009 the company has grown immensely and now produces a broad range of products covering all manner of needs. Digital Edge Subsea's primary function is to provide innovative digital video recording systems to the remote operated vehicle (ROV) and diving industries. Digital Edge Subsea's digital recorder, digital video overlay and video inspection equipment are all capable of producing outcomes of the highest quality while requiring minimal work from the user. Videos taken can be shared and watched on any Windows PC without the need for extra codecs or software.

The company is based in Ulverston, Cumbria and has distributors in Aberdeen, Houston, UAE, Singapore, New Zealand, Brazil and Norway. The location holds a notable reputation for housing subsea companies, with noteworthy examples including Trittech, Siemens, Orcina, Link subsea, Fortis Design and Blueprint Subsea. Ulverston is 10 miles from Barrow-in-Furness, a few hundred meters off of the coast of which is one of Europe's largest offshore wind farms.

Digital Edge Subsea predominantly serves the oil and gas industry with its products being distributed and used worldwide. As opposed to many competing companies whose systems are largely focused on inspection, Digital Edge Subsea's EdgeDVR system caters for ROV personnel and hardware. At the top of the present EdgeDVR range is the EdgeDVR-1HD-4SD: a quad channel video recorder capable of recording one channel of high definition and three channels of standard definition footage.



The simultaneous four channel display makes the system ideal for multiple divers or ROVs or an ROV that operates using multiple cameras and sonar. The system can be set up so that the centre channel is displayed in high definition and offers a built in switcher giving the operator the option of switching easily between video inputs when in one or two channel recording mode.

The company pours a great deal of energy and time into research and development and is constantly improving on its existing products. Managing Director John Benson tells us "For the past 10 years our Version 4 EdgeDVR software has been used worldwide and with a record of reliability it has been accepted into the industry by all the major ROV and diving companies. We are launching our new Version 5 software within the next couple of months. The new software has three levels, EdgeLite, Edge and EdgePro. This has been matched with up to date hardware to create a fresh look and increased recording capability."

The company also provides a rental service that can be delivered to clients worldwide. Through renting with Digital Edge Subsea directly the customer gains access to the company's flawless support service. The models available to rent are as follow: EdgeDVR 1HD 4SD, 1HD 2SD, 1HD 1SD, 4SD, 2SD and 1SD, along with ROV Test Boxes, ROV Tools. Having access to a rental service allows customers to make the most of Digital Edge Subsea's products without having

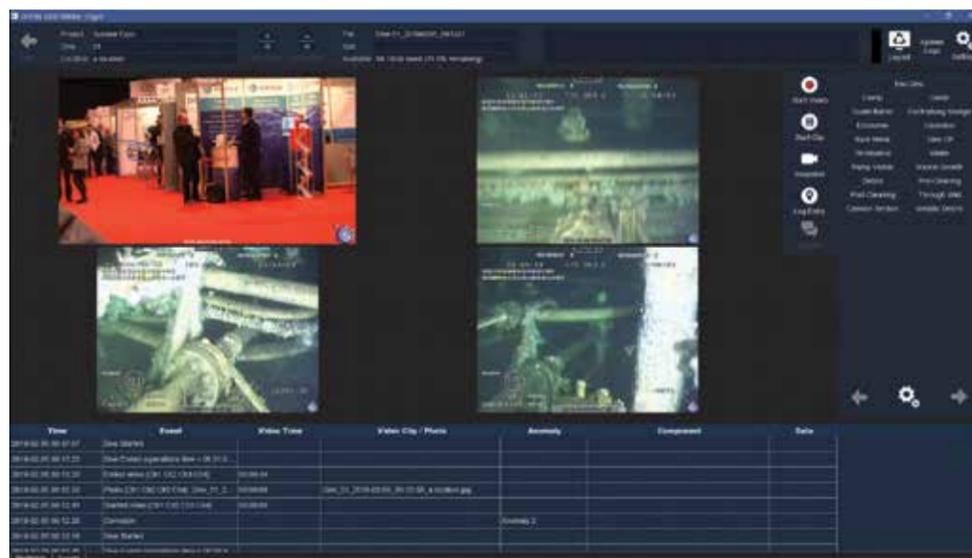
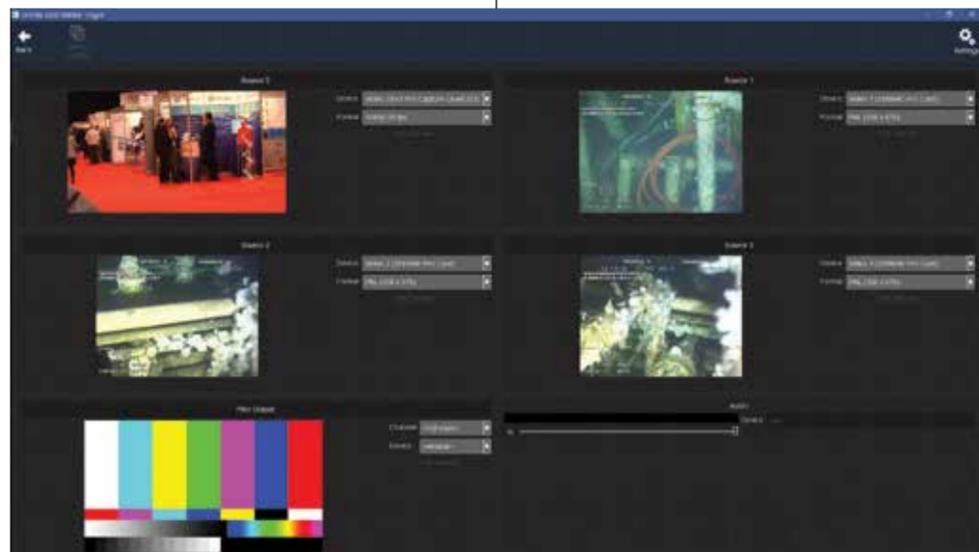
for their reliability and Digital Edge Subsea will be heavily promoting the range throughout the foreseeable future as well as Blueprint Subsea's range of multi-beam sonars, the Oculus.



Building and establishing relationships is integral to sustaining and expanding a business. Acknowledging this, Digital Edge Subsea regularly attends trade shows and exhibitions. Notable mentions among the long list of shows the company participates in are as follows: OTC (Houston), Offshore Europe (Aberdeen), Oceanology, Ocean Business, AOG, OSEA Singapore and Subsea Expo. The effort that Digital Edge Subsea puts in to establishing a brand presence matches the effort that it puts in to developing new technology and products. With this kind of attitude it's hard to imagine anything but growth in the company's future despite its already lengthy list of clients.

to commit to permanent purchase. This greatly cuts costs and eradicates the inconveniences of having to negotiate storage and long term maintenance of the product or products.

Digital Edge Subsea has recently introduced a new team of programmers. The team is made up of members with an extensive offshore background making it ideal for the development of subsea products. Ensuring that products move in unison with technology and demand is crucial for any business but is especially important to a business that serves the kind



of industries that Digital Edge Subsea does. Recording and inspection software and hardware are constantly evolving and for a company of Digital Edge Subsea's nature making sure that products are consistent with new technologies is as important for the company as it is for the customer. Subsequently, Digital Edge important keeps product development at the core of its practice.

During 2019 the company will be launching the new generation of offshore DVR's with increased recording capacity and features.

The company is currently in the development stages of producing a pipeline inspection system as most existing systems cater predominantly for structural inspection. Creating a system that works for pipeline inspection would massively enhance the condition in which offshore pipelines can be kept. Digital Edge Subsea in addition to developing and distributing its own range of products is a distributor of Australia based Blueprint Labs' products. Blueprint labs' range of subsea manipulators are renowned

For more information on Digital Edge Subsea's products and services get in touch via the details below or visit its company website.

Contact
T 01229 206456
john@digitaledgesubsea.com
www.digitaledgesubsea.com



New fume extraction systems meet HSE welding requirements



New from welding and industrial equipment distributor Wilkinson Star is the F-Tech range of fume extraction systems and welding torches. The F-Tech Fox is a

portable high vacuum extraction solution to extract harmful dust from manual welding and grinding processes. It offers a five-year warranty and automatic filter cleaning. Robust tandem motors provide a vacuum over 20,000 Pa. An auto stop/start unit reduces noise and energy consumption. The

Fox will run two welding torches simultaneously. Available in 300, 400 and 500A air/water cooled versions, in 3, 4 and 5 m euro fittings.

Contact
T 0161 728 7900
www.wilkinsonstar247.com

AbrasiMet M Medium Abrasive Cutter Introduced by Buehler

Durable and Dynamic for Fast Sectioning of Metals
 Lake Bluff, IL Buehler is excited to unveil the most efficient and powerful abrasive table top cutter in its class, the AbrasiMet M. The machine is designed for heavy use and for customers that rely on sample cutting for quality control and inspection of parts. The compact AbrasiMet M is a manual saw with a powerful 5.5 hp (4kW) motor that can accommodate 10"[254mm] to 12"[305mm] blades with a maximized cutter chamber space and sliding hood design to provide customers with a quick, clean and simple cutting solution for sample preparation in any work environment.

Time Saved, Cutting Simplified
 Lab technicians will be able to reduce cutting time and change blades easily without tools. In addition, cleaning the new high capacity, 30-gallon recirculation tank is simplified with its nested tank and filtration screen design complete with a rugged metal frame with wheels. The AbrasiMet M saves time in the sectioning process in busy production environments allowing users to quickly move to the next steps of the preparation process.

Built for Heavy Use
 The AbrasiMet M is ideal for production quality control environments. Buehler designed the casting to be durable with a corrosion resistant steel T-slot table. In addition, the hood design is reinforced for repeated opening/closing and the enclosed motor-cutting arm system to keep debris and coolant out to maximize the life of the motor. Buehler has a complete selection of compatible vises, clamping kit, and blocks for all sectioning applications. For additional information on the AbrasiMet M cutter visit here.

www.buehler.com



Top production crimper

The innovative HM crimpers from UNIFLEX are setting new standards. The HM 480 is a perfect example here, combining high productivity and quality with outstanding ergonomics and a long service life. The machine offers an opening stroke of more than 150 mm and an opening diameter of 380 mm (without dies). It can thus be used to crimp industrial hoses up to 8" with ANSI flanges and pipe fittings up to 12" without having to remove the dies. The fixed 6-o'clock die and the 150 mm long bottom die make workpiece positioning easy.

Apart from hydraulic hoses, the machine can be used to join reinforcing steel, steel cables, ropes and insulators with forces up to 4500 kN. The HM 480 is controlled through the tried and tested Control C.2, a bespoke control unit of UNIFLEX.

www.uniflex.de/produkte/produktionspressen/hm-480/



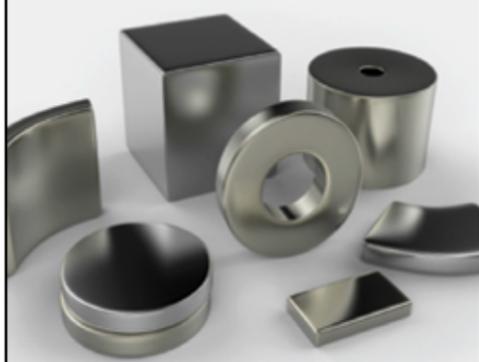
CURTISS-WRIGHT

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COMPANY PROFILE

At the forefront of the latest designs, materials and technologies, E/M Coating Services pride themselves on offering high quality coating applications and processes to improve performance and extend the life of critical components and fabrications of all shapes and sizes for a wide range of industrial sectors. With specialised facilities we are able to design and manufacture bespoke coating systems and have in house NACE Level 3 trained inspectors. Quality is at the heart of our business and we operate under the highest quality control procedures including AS9100 Rev C, NADCAP, ISO9001/9008 and NACE.



E/M Coating Services is a business unit of Surface Technologies, a Division of Curtiss-Wright, who are global specialists in surface treatments to improve the life and performance of critical components and preventing premature failures through their network of over 75 facilities worldwide. www.cwst.co.uk

CURTISS-WRIGHT

New Anti-Corrosion Coating for Rare Earth Magnets

Neodymium Iron Boron magnets are utilised in a wide number of industries, including the highly demanding wind turbine industry.

A multitude of these magnets are bonded together to increase the overall level of magnetism. This process leads to two potential issues: firstly, any adhesive or coating between the magnets acts as an air gap and thus reduces the level of magnetism and secondly NdFeB magnets corrode extremely aggressively. This corrosion issue is exacerbated by the environmental conditions that the wind turbine faces.

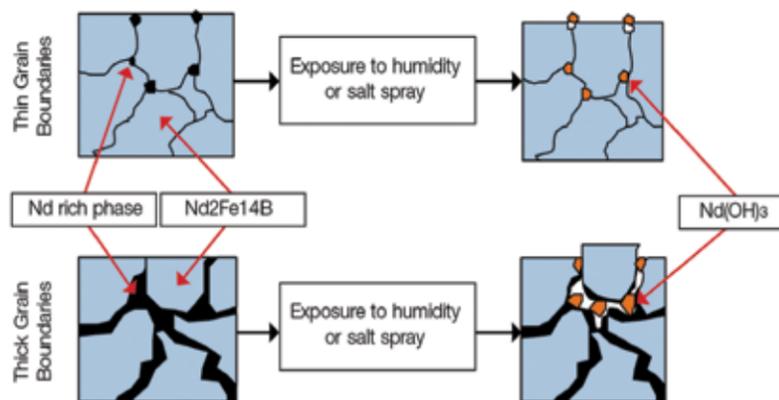
This corrosion mechanism for NdFeB magnets is detailed in figure 1. This shows that when exposed to water or humid conditions, the Neodymium rich layers at the grain boundaries react to form Neodymium Hydroxide. The effect of this conversion from Nd to Nd(OH)₃, is a large volume increase along the grain boundaries, leading to

cracking and degradation of magnet properties.

Curtiss-Wright Surface Technologies (CWST) has been working on a solution to these issues. This involved developing a high grade anti-corrosion coating with minimal coat thickness (effective air gap). The current market leader for corrosion protection is CWST's own Everlube 6155 providing 500 hours protection in the ASTM B117 salt spray test.

After extensive studies and trials, CWST is pleased to announce it has successfully developed a coating system which will provide 1,000 hours salt spray resistance for NdFeB magnets at a coating thickness of just 25µm. This NEW coating system – Everlube 1155 is environmentally friendly, easy to apply and a cost effective solution to this critical problem. **Please call on +44 (0)1386 421444 for further details.**

Figure 1: Shows the corrosion mechanism for NdFeB rare earth magnets.



E/M Coating Services
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For more information on all our services and full worldwide contact details: www.cwst.co.uk

First stone laid at new Manitou platform factory



The Manitou group, a world leader in rough-terrain handling, has started construction of a new factory dedicated to aerial work platforms. Michel Denis, Group President & CEO and Jacqueline Himsworth, Chair of the Board of Directors, laid the first stone in the presence of a number of elected representatives. This factory fits in with a global investment plan and confirms the Group's ambitions in this market.



Work on the site, which is located in the Zone du Petit Tesseau in Candé (Maine-et-Loire), has just begun and only 3 km from the first platform factory. The manufacturer based in Ancenis, already represented by 5 production sites in the Grand-Ouest, further asserts its historical attachment to the region.

This new industrial facility will allow the Group to respond to market growth in Europe and beyond, particularly in the United States, where the Group began distributing its products at the end of 2018. Sylvain André, Director of the current Candé site and future director of the new site, says: "The aerial work platform market constitutes a significant lever for growth for the Group and is appealing to more and more rental companies which account for the majority of our customers in this market. This will equip us with a modern factory dedicated to rough-terrain platforms, while the existing site will focus on industrial platforms. We therefore keep our expertise in the same region".



With a surface area of 80,000 m² and 18,000 m² of industrial constructions, this €26M investment is part of a global plan to develop and modernize the industrial facilities on all of the French and Italian production sites. The construction work, in partnership with the Legendre Group, is due to be completed by the first quarter of 2021.

www.manitou.com



Stainless Steel Crate De-Stacker

With a growing requirement for tote de-stackers within the warehouse and parcel delivery sectors, L.A.C. Conveyor Systems & Automation developed a stainless-steel unit that can be used across many sectors of business.

The robustly designed and manufactured de-stacker can be used in a stand-alone situation or be integrated into a system and is an ideal addition to pick and place units. The design allows for great flexibility so it can be configured to work with machinery like paternoster systems smoothing out supply lines whilst making best use of manpower.

Available in two versions:

- ▶ Non-servo version supplies up to 15 full size totes per minute.
- ▶ Servo version supplies up to 25 full size totes per minute.

Up to four stacks of totes can be loaded either onto a static stainless-steel bed before being introduced onto a plastic modular belt conveyor or individually directly onto the units' belt conveyor.

The de-stacker removes the heavy workload involved with crate separation along with finger trapping and manual fatigue whilst ensuring rapid and accurate delivery of trays into the production system.

L.A.C. can supply all controls including HMI screens for the de-stacker.

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Labtex now in partnership with prominent metering pumps



We are now distributing the advanced metering pump range developed by the highly regarded and innovative Heidelberg based company, ProMinent. This exciting new specialism will further enhance our ability to offer solutions for an increasingly wide range of scale-up processes. The

foundation of ProMinent's global success story is high-quality products based on decades of engineering expertise, an in-depth understanding of applications and continuous innovation.

The modular ProMinent range, integrated into carefully designed solutions, will enable customers in a wide range of industries to achieve maximum safety and efficiency in their production processes. We share ProMinent's commitment to environmentally

sound, sustainable and cost-effective solutions for metering technology in the pharmaceutical, chemical and manufacturing sectors.

Greg Smith, Managing Director at Labtex, said "ProMinent group's position as a

global market leader means a continuous commitment to excellent products and services and an obligation to think and act responsibly. It is a real privilege to be working with such a great company, with an innovative culture and commitment to excellence, very similar to ours. I look forward to the journey ahead."



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Rotating head hydraulic crimper

MANULI HYDRAULICS says designed specifically for maintenance workshops and on-site repairs, the MRB 137 EVO R is a compact, ergonomically designed crimping machine which features an adjustable head for maximum ease of use.

The rotating crimping head can be positioned vertically, horizontally or any position in between thanks to its innovative design and tool-free locking mechanism. Suitable for 4 wire-spiral hoses up to 1¼" the MRB 137 EVO R is a versatile addition to any low medium volume repair and maintenance operation.

Supplied with an ergonomic quick-change gun for die installation and removal, the MRB 137 EVO R can also be fitted with an optional die storage panel making it even more efficient to use.

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www.manuli-hydraulics.com



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Process Valves & Instrumentation Ltd are proud to be the exclusive stock list and distributor for the WEIR BDK range of Plug, Lined ball and Diaphragm valves in the UK. In the past 12 months we have supplied in excess of 300k of these sleeved plug valves delivering every order on time and showing considerable cost saving to our clients. We are doubling our stock holding in the new year providing an even better service.



Process Valves & Instrumentation Ltd

Weir BDK India is pleased to announce the appointment of Process Valves and Instrumentation (PVI) as an authorized stockist and distributor of BDK's isolation valve products for the United Kingdom.

PVI Managing Director, Bill Wright stated – "We are excited by the opportunity WEIR has given us to represent them and to supply their huge range of quality valves. We are looking forward to a long and successful relationship."

"The partnership with PVI will help our customers with support for projects and quick turn products, from PVI's growing stock portfolio. We are excited to support both PVI and BDK's customers." – BDK Product Director, Brett Armer

PVI will represent our BDK™ range of gate, globe, check, plug, butterfly, ball, actuator and triple offset butterfly valves. PVI are holding stock of many of our products and can assist with actuation and MRO supply contracts.

We are excited about our partnership and we look forward to working with PVI to support our customers with fast deliveries and strong local technical support.

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WWW.PVILTLD.CO.UK

BÜLTE's Slotted capstan screw DIN404

Our range of screws has recently been extended with the "Slotted capstan screw DIN404" range. This screw is composed of an enlarged cylindrical head, a straight slot on the top of the head and two radial holes on each side of the head.

This new range of screws is fully in Nylon, contrary to the metal screw DIN 404 usually available on the market.

In comparison with the metallic fasteners, Nylon fasteners offer various advantages; they are lighter, cheaper, and easier to recycle. They do not conduct electricity and are also not subject

to corrosion.

Slotted capstan screws have a unique design in that head which is similar to a cheese / pan head in shape have two holes bored through the side of the head at 90 degrees to one another serving a dual purpose:

- ▼ The slotted capstan screw DIN 404 may be tightened by inserting a tee bar into the holes when it is not possible to use a screw driver to tighten the screw;
- ▼ Locking wires can be attached to the cross holes to secure the screw.

Slotted capstan screws DIN 404 are designed to be either tightened or loosened from the side rather than from the top, by inserting a small bar into one of the side radial holes in the head. Which is very useful when there is restricted access to the top of the screw. Slotted capstan screw DIN404 is applicable in such areas as machine building, instrument making, as well as industrial sectors for bonding structural elements from various materials.

In term of design, the standard colour of our "Slotted capstan screw DIN404" is natural nylon. But as Polyamide can be

coloured as one's wished, on request according to the RAL chart, our "Slotted capstan screw DIN404" range will be in line with every kind of industrial application, whatever their colour might be. Our account managers are available for advice from product design to completion. Quotation and free samples on request.

T +44 (0)23 9244 9606
sales@bulteplastics.co.uk
www.bulte.com



Techsil's Form-in-Place Foam Gasket Service Expands Capacity by 25%

To meet the growing demand for their contract Form-in-Place Foam Gasketing (FIPFG) service, Techsil are pleased to announce a 25% increase in production capacity. This has been achieved at the UK manufacturing site with the addition of a 4th production cell.

Using an innovative single-component liquid polyurethane foam sealing system and machine technology Techsil's bespoke FIPG contracting service is the economical and reliable solution for replacing labour intensive peel and stick gasket applications.

For further information on Techsil's FIPG contracting service please contact our technical specialists on technical@techsil.co.uk or go to www.techsil.co.uk/resource-centre/form-in-place-foam-gasket-service/



The new Additel 286 is an industry first!

Additel's new ADT286 combines the capabilities of a high-end reference thermometer with a highly capable data acquisition system and 8.5 digit multimeter. The ADT286 is capable of scanning and recording up to 82 channels at 10 channels per second.



Users can easily configure the ADT286 to perform field calibrations and uniformity studies as well as use the unit in the lab as a precision thermometer and 8.5 digit multimeter.

Get more for less with this newest game changer from Additel!

Features include:

- ▼ Measure and calibrate SPRTs, RTDs, thermistors and thermocouples
- ▼ 1 PPM resistance ratio accuracy (channel 1)
- ▼ 8 1/2-digit DC multimeter
- ▼ Measure up to 82 channels
- ▼ Sample rates up to 10 channels per second
- ▼ Bluetooth, WIFI, USB & Ethernet (RJ-45) capable
- ▼ Auto temperature control of Additel and other manufacturer's heat sources

ADT 286 Multifunction Reference Thermometer Readout Scanner Modules

The base unit comes with two precision readout channels that can be used to measure your SPRT.

Automatic Temperature Control and Probe Calibration
The Additel 286 Multifunction Reference Thermometer Readout has preinstalled drivers to control Additel and other manufacturer's heat sources.

ADT286-RS Resistance Standards

Available in 25 and 100 Ohm values, users can enjoy improved resistance ratio performance by easily plugging one of our reference resistors into channel 2 on the new ADT286.

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Vehicle Charging Point Update

Are you an EV installer?

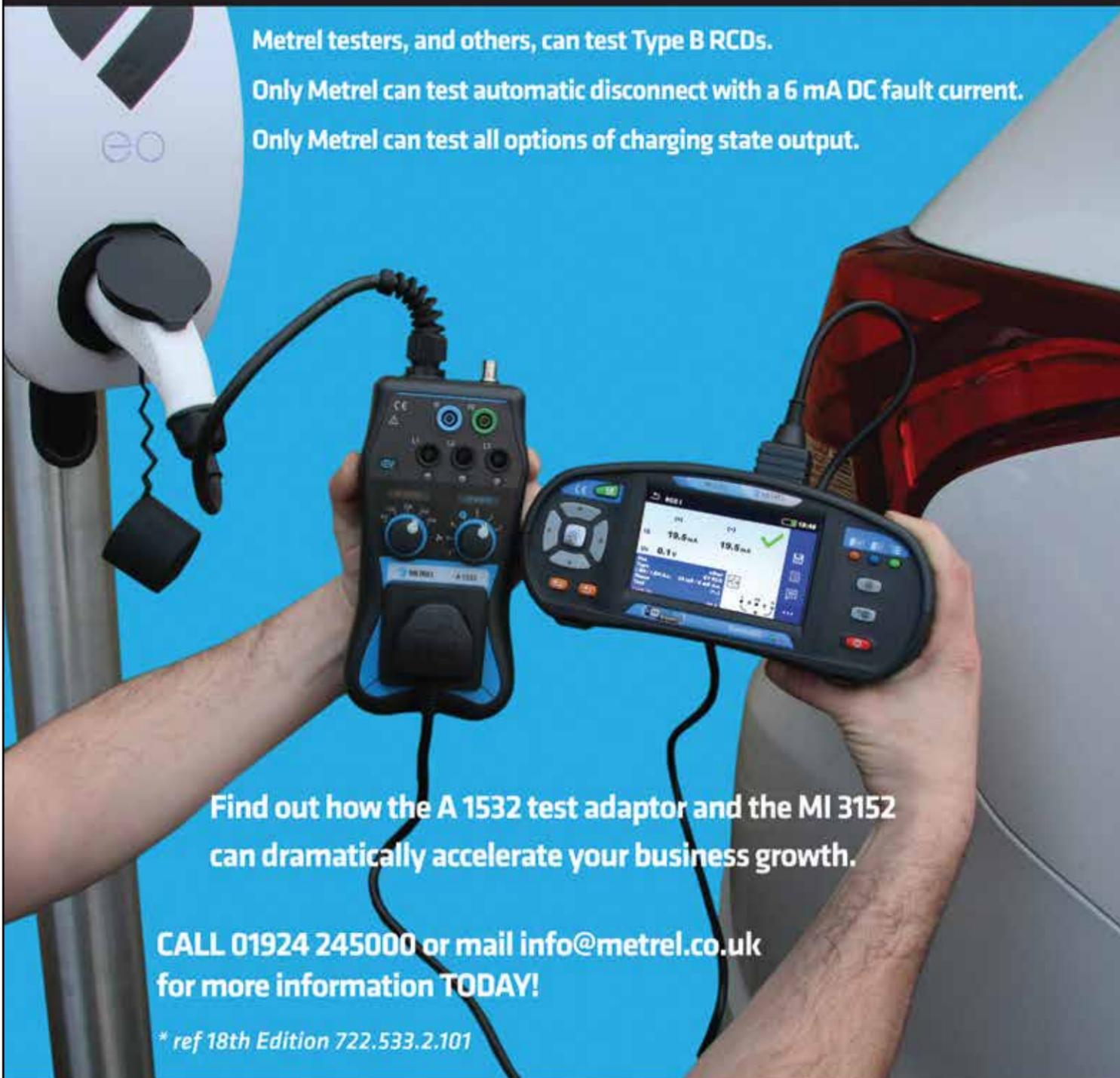
The rules on DC fault protection are changing for the 18th Edition*.

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* ref 18th Edition 722.533.2.101

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The new REFIMATE – Flexible, durable, versatile

Here in Switzerland, we are pretty good at certain things – quality, accuracy, reliability. Making the REFIMATE truly Swiss.

The digital Manifold REFIMATE has been developed by professionals, for professionals. With state-of-the-art technology wherever high-tech means real improvement. And with tried-and-tested features if they have benefits in daily use.

With its sophisticated functions the REFIMATE is optimally tailored to the harsh working conditions in the field. Instead of a touch display, the REFIMATE has sturdy, intuitive buttons in combination with an easy-to-read patented colour display with analogue pointers. Inhouse calibration of the sensors guarantees high precision with accuracy class 0.5.

It's practical too – the REFIMATE can be locked for long-term measurements on construction sites. And for the power supply either AA batteries or a USB source can be used. Depending on the light conditions and environmental factors, shortcuts allow an easy adjustment of the screen settings. The latest refrigerants as well as regular software and firmware updates are available free of charge.

Finally, the REFIMESH App connects peripheral devices and consolidates information. Data can either be stored in the REFIMATE, in the app and/or in the cloud, and can be made available in various formats to other users or customers.

Contact
www.refmate.ch



The 'Servitec Mini' – Vacuum spray tube de-gassing for domestic heating systems

The influence of water quality always has an immense influence on the performance of heating systems and we all know that only systems that are operated optimally work efficiently and economically. The Reflex 'Servitec Mini' makes a significant contribution to this, even for systems with small water content, with its sophisticated technology of vacuum spray tube degassing. Reflex 'Servitec Mini' is the economic energy efficiency product with additional value for all system operators and the environment. Economic in its operation with an efficiency of up to 90% to reduce CO2 emissions.

Here's how the 'Servitec Mini' works.

Installed in the return of the heating system, the 'Servitec Mini' cycles at a pre-determined time convenient with the occupant (set via the app)

Gas rich system water is sprayed through a nozzle into the vacuum tube which forcibly draws any air out of the water. The de-gassed water is then reintroduced to the heating system and the cycle begins again until the pre-set time elapses.

For further information on this product please contact sales@reflexuk.co.uk or +44 (0)161 266 1043.

Alternatively please visit www.servitec-mini.com



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Coolair goes nationwide



Air conditioning and heating installer Coolair Equipment has expanded its service and maintenance operations nationwide. The company, with bases in Manchester, Cannock and Kent, has consolidated its service department to a UK-wide business under a national technical and administrative management team led by long-serving employees Mark Cooper and Karen Swallow.

The new National Aftersales Division is the result of an expansion drive by Coolair aimed at meeting increasing demand from developers, contractors and end users for one-stop heating and cooling services.

Managing Director John Otterson said, "Our business has been providing servicing and maintenance for many years. Now increased demand from our clients – impressed by our ability to deliver energy-saving solutions that reduce their cost – has prompted us to expand our one-stop-shop capabilities. Planned preventative maintenance is essential for the ongoing management of building operations because today's highly advanced air conditioning and heat pump systems can lead to expensive failures and increased running costs if they are not properly serviced and maintained."

T 01543 574777

Vertikal Days Top 10 Review

Lifting the Industry to New Heights

Donnington Park saw the return of the largest lifting equipment and components exhibit, Vertikal Days in 2019. The two day networking event took place on the 15th-16th of May, attracting visitors for all over with it's over 130 stands of exhibitors that represented more than 300 manufacturers and suppliers.

The event showcased a variety of lifting equipment including cranes, access platforms, telescopic handlers and components. The event also saw the launch of new product ranges that included aerial lifts, cranes and telehandlers and provided some of the most technological advancements in the industry.

The shows exhibitors and visitors range from leading companies to industry leaders and a varied selection of companies from various industries including: rental companies, contractors, trade associations, local authorities, forestry, utilities, construction, wind farming and more. The event provides vital networking opportunities and provides meetings, seminars and workshops for visitors.

As an added bonus, the event also provides free car parking, free coffee, tea and snacks and a delicious free hot lunch. This year's

lunch menu included slow roasted pork and sage and onion stuffing with homemade apple sauce.

After a successful event this year, the exhibit will be returning in the new year to Donnington Park on the 13th and 14th of May.

This is our pick of the best exhibitors from this year's show, listed here in alphabetical order: Industrial Training International, Kobelco Cranes Europe & Xenith Heights. Further details can be found on this page.

www.vertikaldays.net



Xenith Heights

At Xenith Heights we present SAFETY, QUALITY & INNOVATION through our 2 main brands:

- ▼ ARESTA a range of harnesses and height safety equipment
- ▼ GRIPPS a range of high-quality tool tethers

Xenith Heights is fast becoming known for providing advanced protection and best performance products, whilst representing outstanding value for certified safety equipment. Always attentive to the needs of the industry. The ARESTA harnesses are unique. All the harnesses are made with a unique DURABLE SOFT WEBBING, which makes them extremely comfortable, especially our ELASTICATED version, which is one of the most wearable products in its class.

The harnesses come with EEZE-KLICK Buckles, for ease of donning and removal.

We supply a selection of harness kits, to cover both users of MEWPs and Scaffolders
Our ARESTA MEWP Kit 3 is proving a great seller for the



MEWP Companies, which includes a Single Point harness with EEZE-KLICK Buckles, 2m Adjustable Webbing Lanyard, 2x Screw-gate carabiners and an ARESTA Backpack

Take note of our ARESTA Plus Multi-purpose Helmet, certified to EN 12492. This is available in 8 different colours. No tolerance is essential to height safety, because our lives depend on it!

See the full GRIPPS tether range on our website – www.xenithheights.com

Kobelco Cranes Europe



The UK's Vertikal Days provided the perfect launch pad for Kobelco Cranes Europe (KCE) to show its new CKE1350G-2 lattice boom crawler crane and introduce Alex Burt, its new sales representative for the UK, Ireland & Africa.

The CKE1350G-2 has a maximum lifting capacity of 150 tonnes at 4.4m and can be supplied with a 76.2m fixed boom as standard. An 82.3m "long" and 47.9m luffing boom are also available, alongside a 53.3m luffing jib. The CKE1350G-2 comes with a Tier 4/Stage IV HINO P11C-VC, 271 kW engine and Kobelco's KCross remote operation management system, which helps to maximise machine efficiency

and uptime, as standard.

KCross uses satellite mapped images and an internet connection to remotely monitor a crane's working condition and location. This information is useful in planning maintenance schedules and providing guidance to operators, ensuring crane owners can maximise their fleet efficiency.

Vertikal Days was also the first opportunity for KCM's UK-based customers to meet Alex Burt, its new crane sales representative with responsibility to sell and promote new and used Kobelco crawler crane products. Alex has over 10 years' experience in the construction, civil and geotechnical engineering sectors, and joined KCE from UK-based MLM Group.

Contact

T +31 36 549 5510

F +31 36 549 5520

www.kobelco-cranes.com

Industrial Training International (ITI)



2019 is already a banner year for Industrial Training International (ITI) with several new

initiatives coming to fruition. ITI launched an office in Birmingham, United Kingdom and an office and training centre near Tampa, Florida. This is its 12th training centre in North America and will offer basic to advanced slinging as well as mobile and overhead crane courses.

ITI's virtual reality (VR) crane simulator welcomed new simulations featuring tower

and down cab rough terrain crane. The VR crane simulator is a finalist for several awards and subscribers continue to join from across the globe. In addition to the crane simulator, ITI is expanding its VR development and using Oculus Go for a mobile experiential learning and assessment tool that will expand into site safety and slinging applications and inspection. Looking to support heavy equipment operators, ITI launched a mobile application, OperatorPro that allows users to log their shifts and activities right from their phone and capture evaluations. A 21st century solution to the operator logbook that allows operators to capture valuable metrics about their work experience.

www.iti.com

Association of the Month

Working together to improve the industry

Industry Update is proud to announce that NAADUK has been selected as our Association of the Month, for its dedication to providing a trusted register of fully trained ductwork maintenance specialists.

NAADUK was established in 2016 by a selection of industry leaders who felt it was necessary to have a group of experts to lead and teach both members and the public on the industry's standards and laws, which are not easily understood. With its head office in Devon, NAADUK holds meetings across the

country and has members from countries as far away as Qatar and Australia.

By offering a full list of qualified and trained ductwork cleaners, NAADUK provides companies and the public with the confidence that they are contacting competent personnel. What's more, NAADUK also promotes laws, standards and the importance of maintaining ventilation systems.

Delivering a wealth of benefits to the industry, NAADUK offers free advice and guidance, as well as providing informative seminars to councils and similar establishments, including Testing Standards. The association is also currently working on NAAD 21, which will be a specification on the cleaning of supply and extract ventilation systems, as well as grease kitchen extract cleaning. This is currently being finalised and will be produced in 2020 to much anticipation from the group and entire industry.

With a mission to help people work together to provoke industry-wide improvements, NAADUK is consistently coming up with ideas and new ways of thinking to add value to the ductwork maintenance industry. The association features members who have proved their competence in training, as

well as associate members who may be manufacturers of the products used, who wish to stay abreast of any updates and changes within the industry.

Next year, NAADUK will be speaking at the Healthcare Estates 2020 event to inform exhibitors about what it does, as well as keeping people up to date with recent changes. The association will also be hosting an event to launch NAAD 21, details of which will be available later this year.

Without a doubt, NAADUK has maintained the high quality services on which it was established, with the founding industry experts remaining

on board and membership continuing to grow on a monthly basis. Indeed, NAADUK is always welcoming new members, with a great appreciation of the input that is given in its monthly meetings. All members are invited to attend these, and there is no doubt that NAADUK will be finishing 2019 in the same way it started: striving for improvements across the industry.

If you would like to find out more information on NAADUK's full range of services and benefits, head to the website. Alternatively, get in touch using the contact details below.

T 01404 891539
www.naaduk.co.uk



Intelligent motors

The basic idea of the intelligent motor is to minimise installation costs and save space, but also to make a component that is much better protected

against electrical noise which can be a problem when using long cables between controller and motor.

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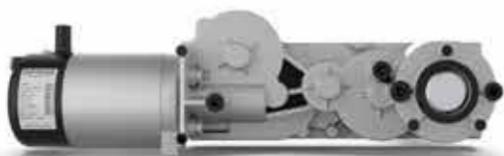
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Power	7.5 - 130W
Applications	Patient Hoists

Densostrip™ Protection at Bridlington Omnia Bridge

One of the earlier Omnia Bridge Deck Units in use is that forming part of the Bridlington Integrated Transport Plan. PBS Construction Ltd from Hull were awarded the contract to construct the road bridge now in use over the Gypsey Race at Beck Hill.

Omnia Bridge Deck Units were used in the design of the bridge deck and Winn & Coales (Denso) Ltd supplied Densostrip™ and Densostrip Primer™ to seal between the supporting steel beams and the Omnia Bridge deck planks. Denso Primer D™ and DensoPol 60™ Tape were then used to seal the joints between the precast concrete planks.

The use of these materials prevented any grout loss when the in-situ concrete was poured to form the bridge deck.

T + 44 (0)20 8670 7511
www.denso.net



Coroll becomes NSK's first Certified AIP Partner

NSK has named its latest Certified AIP Partner, Coroll s.r.o., which becomes the first authorised distributor in the Czech Republic to receive the accolade. At an award ceremony on 13 May, the certificate was presented to the company's management team, along with NSK's 'Man towards future' award, which signifies impressive levels of progress. Coroll was nominated to become a Certified AIP Partner by NSK Poland.

With a focus on quality, Coroll is one of the largest distributors of bearings, ball screws and linear motion technologies in the Czech Republic. It was clear that Coroll had the potential to take the next step in its development and become one of NSK's growing network of AIP (Added Value Programme) Certified Partners. Only those distribution partners able to successfully complete a 10-stage plan can become Certified AIP Partners, a process that includes intensive training and in-field assessments. For Coroll, the programme involved a number of key stages, including: situation analysis (evaluating and understanding the customer problem); designing solutions (including costings, return on investment analysis and other related information); implementation of the solution; calculating the actual savings; and extending the solution to other operations.

Expert NSK personnel delivered extensive training that focused not only on NSK products, tools and services, but a host of other pertinent industry issues such as effective maintenance and inspection, counterfeit bearing awareness, and future developments.

It was decided to trial Coroll's newly acquired knowledge and skills at two customers in the steel industry: a cold mill producing sheet, and a rolling mill manufacturing steel tube. At the cold mill, an AIP project involving a reverse rolling quarto-stand produced annual costs savings of €56,921, while a project centred on punching equipment at the rolling mill generated savings of €32,820.

T +49 2102 4811280



Now on-air! New short film takes you on the journey to redefine the kilogram

Greifensee, Switzerland, May 23, 2019. In an impressive act of cooperation, the General Conference of Weights and Measures member states voted to adopt a new kilogram definition for the first time since instituting the international prototype kilogram, or IPK, in 1889. This was the culmination



of the years-long effort to create greater constancy in mass measurement examined in "Everything Different, Nothing Changes: Redefinition of the SI Unit Kilogram," a new short video by METTLER TOLEDO.

At a basic level, all standards including mass are now tied to fundamental natural constants. In the case of mass, the referenced value is the Planck constant, also known as the fundamental constant of quantum physics.

In the 20-minute piece, METTLER TOLEDO, Dr. Richard Davis, BIPM, and other metrology experts including Dr. Philippe Richard, METAS, explore the science behind the definition, as well as the nearly poetic way the definition was able to be proven. This

combination of smart thinking and technological excellence has produced measurement accuracy that is accessible for all people in all places at all times.

Rare footage takes you inside areas normally reserved for only a few metrology experts to witness everything from the highly technical Kibble balance used to calibrate reference artifacts to equipment used to create the enriched silicon sphere that was also part of the proof. These strong visuals help to make real the ongoing discussion around the kilogram—a discussion that can seem largely theoretical, especially to those accustomed to dealing with physical weights. The new kilogram definition eliminates the need to rely on a physical

object located in one place, providing limitless and previously unimaginable access to mass-measurement accuracy. METTLER TOLEDO is pleased to have been part of the effort to make this new definition a reality.

To see a brief, exciting trailer for the video, please visit - https://youtu.be/rBY089_LIE4

To view "Everything Different, Nothing Changes" in its entirety, please visit - <https://youtu.be/k2XKI9Y7J3s>

Additional information about METTLER TOLEDO can be found at www.mt.com

Fail safe power-off brake

SG Transmission has developed a 40 mm diameter static holding brake (12 Volt DC, 0.6 Nm Torque) for a German automotive customer as a parking brake with fail safe power-off braking.

The approach is a fully automated production process with single part feed, including an air gap pre-set during the manufacture process with reduced part count for simpler assembly.

The electrical connection is with integrated terminals.

If required, this concept can be adapted to other sizes and performance.

Contact our brake experts with your requirements.

www.sgtransmission.com/2019/09/fail-safe-power-off-brake/



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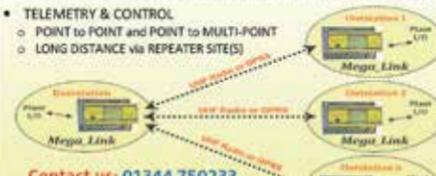
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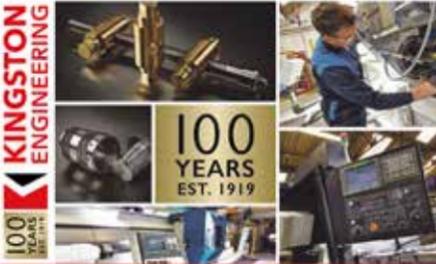
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Experts in life extension of materials & critical components

Curtiss-Wright have a commendable history behind them, having been founded by three of the world's most celebrated aviation pioneers, Orville and Wilbur Wright and Mr. Glenn Curtiss, one of the forerunners of naval aviation. Their companies, the 'Curtiss Aeroplane and Motor Company' and 'Wright Aeronautical Corporation' merged in 1929 in order to create Curtiss-Wright. Today Curtiss-Wright is one of the world's leading advanced engineering companies, having diversified and branched out into numerous different technologies across multiple sectors, including commercial and industrial, defence, power, metals, aerospace and much more.

At the turn of the 21st century, Curtiss-Wright had grown into a multi-national company, with global sales of over \$2 billion and having acquired almost 60 businesses. Many of these companies still operate under their original name, such as Metal Improvement Company, Bolt's Metallizing, IMR Test Labs, Component Coating and Repair Services and more who now are part of Curtiss-Wright Surface Technologies. These various divisions offer a wide variety of different specialised surface treatments such as thermal spray coatings, solid film lubricants, shot peening technology and much more.



Curtiss Wright Surface Technology, one of their most well-known and international subsidiaries, specialises in providing material surface treatment solutions, focuses on enhancing the performance of critical materials and components. As many of their clients are in heavy engineering based industries, critical components are often of vital importance.

Not only do they need to be specially designed to precision specifications, but they need to be long lasting and properly maintained too. Curtiss Wright Surface Technology can offer clients a comprehensive material treatments service that covers silicone, plastic and electronic components, coatings, shot and laser peening, material analysis, testing, repair and maintenance.

Curtiss Wright Surface Technology can provide mechanical and metallurgical testing services for a range of different materials and components through IMR Test Labs. Curtiss-Wright Surface Technologies uses only the most advanced technology and methods in order to conduct fatigue testing, thermal spray coating analyses, metallurgical and failure analyses, accelerated weathering and corrosion testing, weld testing and much more.

When it comes to engineered coatings, Curtiss Wright Surface Technologies have a wide scope of services, including providing thermal management, corrosion and erosion, and protection and repair of turbine components. Curtiss-Wright Surface Technology can provide protective engineered coatings or metal coatings to protect components from the environment, corrosion, heat, and wear.

As they can ensure protection for components of any size or complexity, they have a vast client base made up of those seeking their protective coating services, including the aerospace, oil, gas, automotive and medical industries.

Their range of coating solutions includes thermal spray/HVOF coatings, solid film lubricants, liquid coatings, and parylene conformal coatings. Not only that, but Curtiss Wright Surface Technology also offer repair and overhaul for gas and steam turbine components, as well as laboratory testing and process verification for: salt spray corrosion testing, UV testing and development of their own bespoke coating systems such as Everlube®, Microseal, and Flurene Lube-Lok®, sacrificial aluminium coatings, diffusion coatings and pre-treatments.

Metal and material surface solutions are a huge part of why Curtiss Wright Surface Technology has become such an internationally recognised name. In addition to their famous controlled shot peening process, the company can provide highly effective and controlled Laser Peening for components in turbine engines, aircraft structures, wing skins and more.

This specialist process puts exceptionally deep residual compressive stress in certain parts of a component to prevent crack initiation and fatigue. Not only does this allow the component to resist damage from erosion, strike damage, fretting, and corrosion, but it can also better withstand pressure from both low cycle/high stress and high cycle/low stress situations. Better yet, their laser peening ensures

quality control, precise application and poses no risk of process contamination.

Preventing the failure of critical components is a huge concern for clients, and is one of the most highly sought after services from Curtiss Wright Surface Technologies. Problems can be caused due to any number of reasons throughout the component design process, whether it's the choice of materials used, incorrect assembly, or damage to the parts caused by bending, rolling or forging. Components of any type can be damaged, such as blade roots, rotating rings and tie wire holes used in Aero-Engines, fasteners and stringers used in Airframes, and torsion bars, gears and keyways, which are used to make Crankshafts and more. Thankfully Curtiss Wright Surface Technology have a large array of solutions, including but not limited to: C.A.S.E.

isotropic superfinishing, Parylene coating, Thermal barrier coatings, Cathodic protection and much more.

If you would like to find out more about Curtiss Wright Surface Technologies and their many specialised, services and solutions, then be sure to get in contact with the company today. Alternatively, you can find out more about the company by visiting the website below, where information, animations case studies and links to their many services can also be found.

CWST are exhibiting at the Engineering Live Show on the 19th September 2019 in Solihull. Pop along and say hello!

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