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 these 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 256ml/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

For full details see www.pn-europe.com
Tel: 01562 756960 | www.industryupdate.co.uk | October/November 2019 | Issue 216

Hazardous waste removed in site clean-up project

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

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
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 understanding 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 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
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 fail 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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getintouch@ocean-insights.com
www.ocean-insights.com
**Electronics Update**

**CP Electronics lights the way for Bronte Girls’ Academy**

CP Electronics, the UK’s leader in energy saving lighting solutions, has transformed the Bronte Girls’ Academy in Bradford, West Yorkshire. Working closely with G&M 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. CP Electronics’ lighting control systems and detectors are used throughout the school, including classrooms, staffrooms, office areas, main hall, sports halls, 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 Vibeuse Plus system is used as part of the many new energy saving solutions in the academy.

The standard 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 closed 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 and off, based on presence detection; whilst the offices also leverage energy-saving technology paired with DAl LED lighting. Enabling this lighting control is CP’s Vibeuse Modular system. The unique benefit of the modular system is its ability to adapt and grow from 4 to 16 ways. 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 commercial 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 Burt, Project Manager for G&M, said: “G&M Group has a long-established relationship of working with CP Electronics, thanks to their huge range of lighting control, 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 transform the old Bradford council offices into a new academy. 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

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**Proximity switch for Ex zones 0/20**

E GE says launching the IGE2X0a inductive proximity switch, it presents a compact sensor with ignition protection type Ex (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.

IGE2X0a 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

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**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 Valaince+ range.

The main visible difference between old designs and those complying with the latest standard is a cleaner twin-flag system. The new Timeguard Valaince+ 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

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**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. Complementing their part of the project within a rapid timescale, they’ve helped the investor achieve the objective of a safe, comfortable and energy-efficient space.

Conveniently located in Giffnock, and part of the recently completed Maxim Office Park, Maxim 10 provides 66,000m² of commercial office space over four floors. Built with Giffnock Park’s Glasswood & Checkere based electrical contractor AKD worked with long-term partners CP Electronics to design and specify a modular lighting system which is fast 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 exceeding 700 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 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 Vibeuse Modular system enables all lighting needs to be met with a simple plug and play solution. Once in place, it is simply a question of plugging in the luminaires and necessary PRF detector systems into the lighting control module (LCM).

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

**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 the old Bradford council office 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 Franks Road 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 IFR lobbies, as well as corridors, toilets and a shuttle height reception area.

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

Valiance Plus 7 is a versatile seven-channel system that’s ideally suited for commercial spaces where control, cost and common sense are key requirements. With an integrated PC-computer, the stand-alone lighting control module (LCM) is designed for simple plug-and-play installation and is easy to commission.

Combined with PR detectors, each Valance Plus 7 module typically controls between six and nine compartments 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-gated daylight dimming technology, and will dim the becomes of lights towards the window, when enough natural daylight is present. For example in the stairwells, an AN-110 wireless system ensures lights are only activated on individual floors (and the floors directly above and below them); in the reception and amenity areas, a fully addressable BAMP system runs off a DAI1 product 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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**New customer feature onicotek website**

With the new online product configurator, customers and partners can now customise their split entry frame, cable gland or EMC systems from icotek. You will be prompted to answer a few simple 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 entry in the appropriate cable or elbow grooves. At the end you can choose whether you prefer the selected configuration assembled or loose in individual bags. The finished product configurator can be easily requested online from the manufacturer. “With the online configurator, we are meeting the increasing individual customer requirements for more flexibility,” explains Stefan Dauen, Marketing Director at icotek.

The configurator will be available at the start of September 2019.


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**For world class electronics manufacturing equipment from pick and panel, dispensing, convection reflow, vapour phase and vacuum reflow, selective soldering, PCB and stencil cleaning, de-panelising and diligent component storage.**

www.zpen.co.uk

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**Industry Update is sponsored by NAADUK – see them on page 20**
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 Venti® Pro Multi-Gas Monitors and Radius® B21 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.

T +33 (0)1 57 32 92 61
info@eu.indsci.com
www.indsci.com

Industry Update is sponsored by Xenith Heights – see them on page 20
Manufacturing & Machinery Update

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 specialized in manufacturing right-hand-start, 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 specialize 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.

Contact
T 01482 325676
www.kingston-engineering.co.uk

100 years of Kingston Engineering

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.

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

Please call +44 (0) 1482 325676 or email sales@kingston-engineering.co.uk

www.kingston-engineering.co.uk

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.

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www.kingston-engineering.co.uk
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 both 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 and maintain a competitive edge 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 waterjet on the market. The team’s newly acquired unit is configured with a Dynamic XD® cutting head, capable of simple bevel and compound angle cutting with 5-axes motion for maximum flexibility as well as Flow’s Hyper Jet pump creating ultrahigh-pressure up to 94,000 psi. Jim Jensen, 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 at Joe Gibbs Racing the tools they need to succeed.”

“If 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 cutting head available. 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.”

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

Contact
T 01455 895300
info-UK@flowcorp.com
www.flowwaterjet.com

New CP355 Series of industrial grinders for metal working applications

Cool 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/laders 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.

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” or 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/PHPmsgu387t

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 it 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 not hit or break 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 drive, 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 head systems. A more recent development is the six-armed star hex™ approach which is a precision parallel-sided design for higher torque and fits (generally) in the power driver 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 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 set-screws.

Machine screws, bolts, self-tappers, self-drilling screws and set-screws 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.

T 03234 340242
www.challenge-europe.co.uk

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, multi-purpose Red-Up Plus.

Whether you work at a fixed workstation, walk a fair distance, or move around dynamically as part of your role, 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 BMF, 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 revitalize blood circulation and energy through the legs and feet, ease fatigue and positively affects the whole body, reliving 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 piece-resistant midsole, a honeycombed inner sole providing the best possible breathability, and very high slip resistance, far exceeding European Standard EN 345.

To improve on-site safety with temporary site safety banners

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 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 obtained by not using third party suppliers. This enables the organisation to ensure they are manufactured at the companies print shop in Poole, Dorset. As with all SafetySigns4Less signage, the banners are 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 hotline number T +44 (0)1543 417241 info@safetysigns4less.it

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 Face Shield or visor 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 exceeds it on many levels. It combines a super strong ABS shell with the choice of either a EVO®VISTA® or a EVO®VISTA® Shield® depending on the levels of protection and performance required.

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://jspasafety.info/EVOVista
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 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.

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 ethos of providing outstanding customer service and support, Cap Coder’s first-class and flexible solutions are guaranteed to exceed expectations. "We are a family run business that has lots of family members involved with the company, and we maintain a very straightforward environment and solution every time."

With a core ethic of providing knowledge, skill and expertise to establish a strong and loyal customer base.

"To bolster this success, Cap Coder has employed some new internal systems. The company also welcomes two new support engineers which prides itself on reacting efficiently and effectively. Additionally, the company will be releasing a new HMI/PLC combos which has been designed to fit any size and price range it is unsustainable in the industry, and its one of our bestselling machines as well as being one of the most cost-effective."

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 unwindable experience a customer can expect when looking for a bespoke project from Cap Coder. "If a customer would like to have a bespoke machine, we involve them to the factors where they can discuss the style and operation of the machine, and that they would need to achieve. We look after the customer 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 which had 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 sat 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 E stagnation principles of manufacturing. We would definitely work with Cap Coder and 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 have been 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 as 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 tough, hard working group and they are all totally on board with me, pushing in the same direction. It’s very motivating feeling we are 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 control 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 straightforward 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-liquid/e-juice industry. This is a revised version of a previous model," explained Ross, "and it can go from manual operation to being fully automatic, it’s been told repeatedly that it is for its size and price range it is unsustainable 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 Multi Mono and Mono 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 Electric control systems we know and trust. Using proven 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 who pride 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 not a 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 range. 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 cement long-term relationships with its customers, adding further renown to the company’s enviable reputation in 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.

Reaching a 40+ year history of outstanding manufacturing capabilities and unequivocal customer satisfaction, 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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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 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 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. “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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Industry Update is sponsored by NAADUK – see them on page 20
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 had 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 polyesters, 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.

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 RL, 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 RL 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
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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.

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.

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 odorless, 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. T +44 (0)1295 770000 www.leesan.com

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.

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, all 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 base, 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
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 Uttrup 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 accustom 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 Tritech, Siemens, Orcina, Link subsea, Portis 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 proven 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 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 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 maintaining 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, ADIG, 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.

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

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www.digitaledgesubsea.com

The company is sponsored by NAADUK – see them on page 20
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

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 size with a powerful 5.5 hp (4kW) motor that can accommodate 10”(254mm) x 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 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 crimpler

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 insulated wires 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/
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 Tessieu 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. 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 standalone 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 palletveyor systems smoothing out supply lines whilst making the 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 book into the production system.

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

T 0115 975 3300
sales@lacconveyors.co.uk
www.lacconveyors.co.uk

To discover our extensive Warehouse Range please visit www.manitou.com or contact your local Manitou dealer
Industry Update is sponsored by Xenith Heights – see them on page 20

Pumps & Valves Update

**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.

**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.”

Contact
T 01484 600200
info@labtex.co.uk

**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.

T 0161 871 1130
www.manuli-hydraulics.com
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 screws 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 sealant 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 an 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.

ADT286-81 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.

T +44 (0)1926 812066
www.chamois.net

Vehicle Charging Point Update

Are you an EV installer?
The rules on DC fault protection are changing for the 18th Edition*.

Car charging point installation and maintenance are the biggest opportunity for the electrical trade in years.

Metrel testers, and others, can test Type B RCDs.
Only Metrel can test automatic disconnect with a 6 mA DC fault current.
Only Metrel can test all options of charging state output.

Find out how the A 1532 test adaptor and the MI 3152 can dramatically accelerate your business growth.

CALL 01924 245000 or mail info@metrel.co.uk for more information TODAY!
* ref 18th Edition 722.533.2.101

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CALL 01924 245000 or mail info@metrel.co.uk for more information TODAY!
* ref 18th Edition 722.533.2.101
Here in Switzerland, we are pretty good at certain things – quality, accuracy, reliability. Making the REFMATE truly Swiss.

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

With its sophisticated functions the REFMATE is optimally tailored to the harsh working conditions in the field. Instead of a touch display, the REFMATE 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 REFMATE 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 REMESH App connects peripheral devices and consolidates information. Data can either be stored in the REFMATE, 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 new REFMATE – Flexible, durable, versatile

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. Economics 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

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

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

Coolair goes nationwide
Lifting the Industry to New Heights

D onington 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 from all over the world. With 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 lift, cranes and related equipment 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 retail companies, contractors, trade associations, local authorities, fire, 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 Donington Park on the 13th and 14th of May.

This is our pick of the best exhibitors from this year’s show, found on this page.

Kobelco Cranes Europe

T he 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 82.1m ‘long’ and 47.9m lifting boom are also available, alongside a 5.3m lifting job. The CKE1350G-2 comes with a Tier 4 Stage IV M4D P121-VE, 273 kW engine and Kobelco’s Kcross remote operation management system, which helps to maximise machine efficiency and uptime, as standard.

KCross user satellite map 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 HCE from UK-based MLM Group.

Contact

T +31 36 549 5510
F +31 36 549 5520

www.kobelco-cranes.com

Industrial Training International (ITI)

2 019 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

Xenith Heights

X enith Heights has proven SAFETY, QUALITY & JKNOTATION through our 2 main brands:

GRIPPS a range of high-quality tool tethers

ABESTA a range of harnesses and height safety equipment

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 ABESTA harnesses are unique. All the harnesses are made with a unique DURABLE SOFT WEBBING, which makes them extremely comfortable, especially our ELASTICATED Backstrap, which is one of the most wearable products in the class.

The harnesses come with EZIE-HOOK Buckles, for ease of donning and removing.

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

Association of the Month

W orking together to improve the industry

I ndustry 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
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.

JVL is the world leader in integrated servo and stepper motors. The company offers two complete ranges: ServoStep all in one Stepper motors from 0.36 to 25Nm – and MAG motor all in one servo motors from 50 to 4500W. All motors are designed for IIoT and are industry 4.0 ready. All major Industrial Ethernet protocols are supported: Profinet, Ethernet IP, Sercos, EtherCAT, Powerlink and Modbus TCP/UDP. By selecting a JVL integrated servo or stepper motor for your motion control application you are sure to get the most modern, high-quality product available – from the home of the integrated motors.

M 07722 124677
sjh@jvl.dk

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 F™ 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

Parvalux Electric Motors Ltd.

The UK’s largest manufacturer of geared electric motor solutions, Made in the UK since 1947.

Find out more at www.parvalux.com

GB36 Geared Motor Series

| Voltage  | 12 - 220V |
|----------------|
| Torque       | Up to 1000N.m |
| Speed        | 0.4 - 1500RPM |
| Power        | 7.5 - 150W |
| Applications | Patient Hoists, Vehicle Access, VPL |

GB28 Geared Motor Series

| Voltage  | 12 - 220V |
|----------------|
| Torque       | Up to 240N.m |
| Speed        | 14 - 9700RPM |
| Power        | 7.5 - 130W |
| Applications | Patient Hoists |
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.


Drives, Controls & Automation Update

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

Grefensee, 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/8BY089_iLE4

To view “Everything Different, Nothing Changes” in its entirety, please visit - https://youtu.be/k2XK9Y773xs

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

Classifieds

Drum & IBC Heaters

Compelance in Shot Blast Technology

We offer new and second-hand wheel blast machines including conveyor and filter systems.

Our range of products and services include:

- Wear and Spare Parts
- Repair and (remote) maintenance
- Services

...for wheel blast machines of other makes as well.

AGTOS

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Gutenbergrstraße 14

D-48282 Emiden

Tel. +49(0)2572 96326-0

info@agtos.de

www.agtos.de

Gearbox Design

DAVALL STOCK GEARS

we make 1 off
we make 2 off
we make 100 off
we make 1000 off

Gear - Pulley - Sprocket

Contact us now with your enquiry

www.davall.co.uk

Transmission

Drives, Controls & Automation Update is sponsored by NAADUK – see them on page 20
Leakage Control Solutions

Glo-Leak UV will find your fluid leaks
Tel: 01622 816955 www.primalec.com

Telemetry & Control

CHURCHILL CONTROLS www.churchill-controls.co.uk

Manta Link is a cost-effective and versatile auto telemetry system for passing two-way audio/transportable measurement and control data between industrial plant and site locations.

* TELEMETRY & CONTROL: 2-WAY UHF & HF TRANSMITTERS & RECEIVERS DIAMETER OR REPEATER STATIONS

Contact: 01244 750233 sales@churchill-controls.co.uk www.churchill-controls.co.uk

Handmade Soaps

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Natural & Clean beautifully with a velvety smooth Leather
T 01706 818666 www.friendlysoap.co.uk

Dual Pumps

www.dualpumps.co.uk

Soldering Systems

ZEN Production Equipment Ltd
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Expert 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. Curtiss-Wright is now 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 names, such as Metal Improvement Company, Bolt’s Metallizing, MPR 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.

As many of their clients are in heavy engineering based industries, critical components are often of vital importance. Not only do they have 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 materials 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 MPR 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, 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, wings and more.

This specialist process puts exceptionally deep residual compressive stresses in certain parts of a component, preventing 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 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, ruling 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 strings used in Airframes, and torsion bars, gears and anodeways, which are used to make Curtiss and more. Thankfully Curtiss-Wright Surface Technology have a huge array of solutions, including but not limited to: C.A.S.E. isotropic superfinition, 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.

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

T 0121 279621
www.cwst.co.uk

For more information and full worldwide contact details: www.cwst.co.uk or contact 01635 279621

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