Tooth chain in the automotive industry

Autovotive supplier Hirschvogel Elsennach relies on Ronald tooth chains for a long-lasting and safe solution for the transport of hot steel blanks.

“The interlinking of steelworking machines is a huge challenge” affirms Dennis Reinhardt. The reasons for this vary: first, the 1,200°C hot parts are directly on the transport chain, so that it must be absolutely heat-resistant. The Renold transport chain solves this problem by their involute teeth, so that the chain does not expand despite the heat.

Furthermore, aggravating added that form on the surfaces of the steel parts by heating oxide layers and these scale then peels off. The tinder is hard and crumbles and settles like salt in the joints. Therefore, additional cleaning discs are used, with which the chain is cleaned with each deflection over the gear, so that the scale falls out and cannot stick to the chain. Dennis Reinhardt comments on these conditions, “That’s what a chain has to endure. Here, completely new dimension. We can only confirm both here.”

Contact
T +44 (0)161 498 4600
mark.grayson-wood@renold.com
www.renold.com

Dallmer Ltd

The DallFlex shower drain system from Dallmer offers a great amount of choice and flexibility for both refurbishments and now developments.

The DallFlex drain body can accommodate a wide range of shower channels including CeraFloor and CeraWall, as Zentrix and CoraNiveau. Depending on the channel, DallFlex can be installed at floor-level or directly in the wall, so that options can be tailored to individual taste and budget.

The stainless steel shower channels are available in traditional matte or polished surfaces, as well as with additional PVD coatings.

DallFlex has a simple cleaning process – the channel is simply wiped clean and any dirt in the fully removable trap insert can be quickly rinsed off.

Contact
T +44 (0)1787 248244
info@dallmer.de
www.dallmer.co.uk

Stribbons Ltd: Specialists in Luxury packaging, from Design to manufacturing

Stribbons is a multinational luxury packaging and embellishments company headquartered in Fort Lauderdale, FL with offices in the UK, France and China. As a custom manufacturer, our goal is to facilitate our client’s packaging needs to help them reach their consumers.

With a knowledgeable sales staff, we work closely with our clients to help transition from concept to mass production through solution development, production techniques, material research and more.

Our state-of-the-art facilities are ISO 9001:2015 and ISO 14001:2015 certified, which assure clients that all items are manufactured to conform to quality product safety and appropriate environmental standards.

With over 50 years of experience in the packaging industry and a creative approach, we have been able to gain in-depth knowledge and understanding of the various industries we provide packaging to, allowing our team to exceed our client’s luxury packaging expectations.

Our custom packaging is showcased in industries including fragrance, cosmetics, luxury goods, specialty foods, and liquor.

Our sales team can be reached at: info@stribbons.com and +44 (0)1933 675012.

Let Stribbons help bring the most out of your product with exceptionally well designed, cost-effective, luxury packaging.

www.stribbons.com
Commercial property agency reflects on successful mobilisation after award to TC Security Services

Since early January 2019, TC Security Services, part of TC Facilities Management (TCFM), have been providing guarding and mobile patrol services to Avison Young (formerly GVA). The portfolio, covers multiple and diverse locations across London and the South East.

TC Security Services welcomed 20 new colleagues to the business from a number of incumbent suppliers. The contract commenced on 2nd January and client feedback about the mobilisation, led by Patrick O’Sullivan, Operations Manager is very positive.

Alan Prince, Director, National Strategic FM for Avison Young commented, “We ran a full-blown tender to make sure we appointed the right security specialist to manage this diverse portfolio of properties. Against a wide range of criteria, TC Security Services came out in front. As a new supplier, there was an added element of risk, but nearly four months after go-live, we’re delighted with the decision to appoint them.”

In response to the award, Satia Rai, Operations Director of TC Security Services said, “Having been awarded the contract for guarding and mobile patrol services with Avison Young, we committed the resource necessary to ensure the mobilisation was seamless. We’re implementing best in class technology that will provide TC Security Services and Avison Young with data and analysis to shape better decision making.”

Contact
T +44 (0)1737 814016
info@tcfm.co.uk
www.tcfm.co.uk

Oderase awarded the Cradle to Cradle certification

Oderase, the first and only fragrance-free air freshener in the UK market, which is made by Aqdot, has been awarded the prestigious Cradle to Cradle certification at the Silver level. It is the first certified fragrance-free air freshener in the UK.

Oderase is a fragrance-free odour erasing bathroom spray, leading the next generation of air fresheners. Now available on Ocado in the UK, its simple and water-based formulation contains Aqdot’s patented odour-eliminating technology Aq™Bit, which captures bad odours and erases them from the air.

This makes Oderase different from other air fresheners because it is so effective at erasing bad odours that it does not need to contain any masking fragrances. It eliminates foul odours, is 100% biodegradable and is safe to use on all surfaces.

Cradle to Cradle Certified™ is becoming an international ‘gold standard’ science-based quality certification, which acknowledges continuous improvement and innovation of products and processes towards the goal of being not just ‘less bad’ but also ‘more good’ for people and the planet.

“Creating safe and sustainable products is vitally important to Aqdot and to have Oderase independently certified by Cradle to Cradle is a powerful endorsement,” said Dr Jing Zhang, Co-Founder and Marketing Director of Aqdot.

Contact
T +44 (0)1223 928000
info@aqdot.com
www.aqdot.com
Industry Update is proud to announce that Crystal Tech Electronics has been chosen as our Electronics Company of the Month, for their reputation for providing high quality products and services.

Initially funded by the governmental SME loan guarantee scheme, Crystal Tech Electronics was established in 2003, and has since acquired substantial funding from Hong Kong based Yeebo Display Ltd, and has subsequently broadened its shoulders significantly. Despite having offices, meeting rooms and stores in Basingstoke, customer service operations are orchestrated from Brno, Czech Republic. Overseen by Kristina, a multi-lingual Brno local and Crystal Tech operative of nine years, the Brno base maintains relationships with China, Hong Kong and Singapore.

Crystal Tech produces from concept to container, bespoke electronic displays and touch panels, as well as offering technical and logistical support to a worldwide clientele for a range of products, including Prime Principal Yeebo Displays. Crystal Tech also provides plastic moulding and full turnkey manufacturing services. 60% of the company’s business is made up of companies within the professional medical market, with what’s left balanced between industrial and consumer markets.

Crystal Tech offers direct contact with its Design and Application teams, securing the highest quality solution for the customer, long term availability and low cost ownership from initial NRE. The company boasts a vast array of standard displays from 1.3” to 15.6” with CTP and high luminance back lights. Samples and preproduction quantities can also be purchased of nearly all standard displays in the UK and can if necessary offer no MOQ when either delivered throughout the UK/Europe or FOB Hong Kong.

Weighty investment has been placed in new display technologies and capacitive touch panels and fully automated robotic production lines, resulting in high yielding and quality products. Crystal Tech prides itself on a flawless delivery and quality record and global satisfaction to its name.

The company is currently focusing on IPS panels, with particular attention being paid to 2.4”, 2.8” and IPS 10.1” to 15.6”. Later this year the company will introduce its ground-breaking 3D technology, which produces full 3D images and videos without the user having to wear cumbersome glasses. This technology is set to completely revolutionise the 3D viewable and interactive experience.

Crystal Tech’s main OEM customers are primarily involved in medical products such as blood glucose diagnostics, dental x-ray, vending and beverage machines, heating controls and theatre broadcast systems, along with others.

With regards to the ever changing market, and the inevitable incoming Brexit turbulence, Crystal Tech’s Colin Saunders had this to say, “We are ready for any Brexit situation, with facilities in the UK and the Czech Republic. 90% of our shipments are direct from Hong Kong either to end customers, distributors or ECMs worldwide.” The company will also shortly sign as agents to a major ISO13485/FDA approved ECM in China, after gaining extensive experience in assembling millions of medical, telecom and e-banking products firstly in Malaysia.

Throughout the last 12 months, Crystal Tech has exhibited at Electronics in support of the Principal Yeebo products, and Southern Manufacturing, both of which concluded in resounding success. During 14–16 May, Crystal Tech will exhibit alongside their Dutch distributor Top-Electronics at PCIM Utrecht, Jaarbeurs, as well as Northern Manufacturing in November. Future plans for the company include the vertical integration of plastic housing, displays, SBC/SOM/SoC components and complete assembly.

Contact
T +44 (0)203 287 6886
colin.saunders@me.com
www.crystaltechelectronics.com
Heilind supplies over 9,000 Heyco Products

Special distributor Heilind now supplies the product portfolio of Heyco products, one of the leading manufacturers in the area of cable management and electromechanical components made of plastic and metal.

Heyco products offer more than 9,000 items including cable fasteners, grommets, strain reliefs, blind hole plugs, bushings, PCB spacers, LED spacers and distance bolts. All major products in the portfolio are delivered from stock with no minimum order quantities.

Heyco’s products are characterised by high quality material and low production costs. Therefore, even cost-effective custom made products can be implemented such as PCB spacers for special assemblies. Heilind takes over the consultation and ensures a fast delivery of initial prototypes. It is worth noting that Heilind and Heyco have already been co-operating very successfully in North America for several years.

Heilind will be opening a new facility in Poland in the coming weeks, in order to be closer to its valued customer in Eastern European Markets.

Contact
T 0049 8063 8101100
www.heilind.de

London Electronics Ltd.

Large digital displays measure anything in industry!

London Electronics Ltd makes a wide range of high performance yet affordable large digital displays, digital panel meters and controllers, all designed and built in the UK.

These displays accept most industrial sensors and signals, and can be easily scaled to display exactly the readout you need to keep your team informed of important process variables.

Ideal for showing synchronised time across your factory, temperature, humidity, weight, pressure, RPM, total, last time, etc.

They come in a wide variety of digit heights, colours and number of digits, with a handy online configuration and pricing tool to make selection and pricing easy.

They are sealed IP65 all round and are designed for use in washdown and other harsh industrial environments.

Ideal for any process monitoring or control application. See the website for more information.

Contact
T +44 (0)1767 626444
www.london-electronics.com

ERA raises over 11,000 for Midlands Air Ambulance

2018 saw ERA, the Wolverhampton-based security expert, raise £11,262.86 for the Midlands Air Ambulance Charity. At the outset ERA had set a £10,000 target and staff at the company are over the moon to have exceeded this figure.

Each life-saving mission undertaken by the Midlands Air Ambulance Charity costs it approximately £2,500. The money raised by ERA therefore is enough to cover four such missions.

Employees used their ingenuity to come up with a broad variety of fund-raising activities, including a book sale, a Valentine’s raffle, a Grand National competition, a World Cup raffle and sweepstake, a Christmas raffle, a sponsored Snowden walk and the use of collection tins. In addition, ERA’s suppliers kindly made donations.

Jon Cottrell of Midlands Air Ambulance Charity said, “Many people are unaware that we are reliant on donations to keep us operational as we receive no government funding. We’re extremely grateful to ERA’s staff for this contribution, which will help to keep our aircraft airborne.”

Contact
T +44 (0)1922 490000
www.eraeverywhere.com

Industry Update is sponsored by Micheal Williams Engineering – see them on page 6
New Reduced Size Disciplined OCXO

IQD’s new IQCM-160 disciplined OCXO module is housed in a 30 x 25 x 1.44mm hermetically sealed through-hole metal package which covers approx. half the area of the current models. The IQCM-160 can achieve a holdover specification of 1.5 microseconds over a period of 8 hours when locked to a 1PPS (Pulse Per Second) output from an external GPS, GLONASS, BDS/GPS, GALileo or alternative-PPS source. The design incorporates an internal adaptive algorithm which enables the module to ‘learn’ the parameters of the GPS signal after a period of 2 days of lock so that the holdover function can start in the event of signal failure. An internal alarm is built-in to indicate lock failure and subsequent restoration of signal. In addition, the unit incorporates a serial connection for more detailed interrogation of the devices performance. Frequency is accurate to within ±0.005ppb when locked to a 1PPS external signal and can compute with the performance of many atomic clock references. The standard operating temperature range of the module is -40 to 85°C. The required power supply is 3.3V with the output being standard HCMOS. Current consumption is only 750mA once the steady-state condition is reached.

Ideal Power announces new DC/DC Converters for Medical Applications

Ideal Power, experts in power conversion, have recently added a new range of DC/DC converters to their portfolio of standard products suitable for Medical Applications from P-Duke. The new DC/DC converters can also be used in other industries such as automation, industry, instrumentation, networks and other industry sectors. The new MPS02/MPH02 and MPS04/MPH04 series have been specifically designed with the medical industry in mind. The new DC/DC converters have been approved to the latest safety approval standard EN60601-1 and have the highest level of isolation, 2MOPP indicating they are suitable for each kind of Medical Application. The MPS02/MPH02 offer both single and dual output options up to 4W in a DIP16 & SMD16 package (PM– SMPS package and MPH – SOT package.) Both series MPS02/MPH02 and MPS04/MPH04 offer input voltage ranges of 4.5–12, 9–18, 18–36 and 36–75 and offer output ranges from 3.3, 5, 9, 12, 15 and 24VDC in single output. Dual output options +/-12VDC and +/-15VDC with 82% efficiency rate. Additional features include integrated short circuit protection, no minimum load required and the product comes with a 5 year manufacturer warranty. For more information on this product or any other pending project you have and will require a power supply unit, please contact Ideal Power.

4W in a DIP16 & SMD16 package (PM – SMPS package and MPH – SOT package.) Both series MPS02/MPH02 and MPS04/MPH04 offer input voltage ranges of 4.5–12, 9–18, 18–36 and 36–75 and offer output ranges from 3.3, 5, 9, 12, 15 and 24VDC in single output. Dual output options +/-12VDC and +/-15VDC with 82% efficiency rate. Additional features include integrated short circuit protection, no minimum load required and the product comes with a 5 year manufacturer warranty. For more information on this product or any other pending project you have and will require a power supply unit, please contact Ideal Power.

Panelling Lighting
Batten Lighting
Flood Lights

PanelPilot range from Lascar Electronics can meet your display requirements, from simple displays up to full process-controlling MPRMs. Top of the range is the PanelPilotACE, a colour touchscreen available in 4.5” and 7” versions, which allows rapid development of touchscreen machine interfaces and system monitoring displays. Using Lascar’s own Design Studio Software for Windows, you can develop your touchscreen app using a powerful and intuitive drag and drop interface, adding functionality for PanelPilotACE’s wealth of analogue and digital I/O, without having to write a single line of code. For further information, please visit our website or contact our Sales Engineers on the number below.

Finally, the PanelPilot SGD 21-8 is a low cost, low power, sunlight readable, single channel voltmeter with a sleek monochromatic display, which is ideal for display for a battery-powered handheld instrument.

Electromechanical Assembly

Our experienced team able to work in a cross-functional and cross-discipline environment, the company can also support with design for manufacture and product development for a fully outsourced service.

The scalable solution
Small, medium or large-scale production capacity is available and, using the most appropriate route for production, NSF Controls has the flexibility and the multi skilled operators able to deliver precision-produced products – from simple or several workstations and dedicated or reconfigurable assembly lines for high volume production.

We can help you with your next assembly contract. To find out more, please contact our specialist Assembly Service Team: +44 (0)1535 661144 or email: info@nsfcontrols.co.uk.

packaging which covers approx. half the area of the current models. The IQCM-160 can achieve a holdover specification of 1.5 microseconds over a period of 8 hours when locked to a 1PPS (Pulse Per Second) output from an external GPS, GLONASS, BDS/GPS, GALileo or alternative-PPS source. The design incorporates an internal adaptive algorithm which enables the module to ‘learn’ the parameters of the GPS signal after a period of 2 days of lock so that the holdover function can start in the event of signal failure. An internal alarm is built-in to indicate lock failure and subsequent restoration of signal. In addition, the unit incorporates a serial connection for more detailed interrogation of the devices performance. Frequency is accurate to within ±0.005ppb when locked to a 1PPS external signal and can compute with the performance of many atomic clock references. The standard operating temperature range of the module is -40 to 85°C. The required power supply is 3.3V with the output being standard HCMOS. Current consumption is only 750mA once the steady-state condition is reached.

The IQCM-160 has 1PPS and 10MHz output and also UART interfaces for software management, this has a fixed load rate of 115,200 using 1 stop bit and no parity.

Intended for a range of applications including land based telecommunications systems as well as marine based navigation systems the IQCM-160 forms part of a range of highly specified modules and Oven Controlled Crystal Oscillators (OCXOs) available from IQD.

Packaged in ‘Bulk’ either direct from IQD or via its extensive range of worldwide distributors. Further details are available on IQD’s website at: www.idealpowerproducts.com

Contact
Tel: +44 (0)1440 270200
Email: info@IQDFrequencyProducts.com

Ideal Power announces new DC/DC Converters for Medical Applications

Ideal Power, experts in power conversion, have recently added a new range of DC/DC converters to their portfolio of standard products suitable for Medical Applications from P-Duke. The new DC/DC converters can also be used in other industries such as automation, industry, instrumentation, networks and other industry sectors. The new MPS02/MPH02 and MPS04/MPH04 series have been specifically designed with the medical industry in mind. The new DC/DC converters have been approved to the latest safety approval standard EN60601-1 and have the highest level of isolation, 2MOPP indicating they are suitable for each kind of Medical Application. The MPS02/MPH02 offer both single and dual output options up to 4W in a DIP16 & SMD16 package (PM – SMPS package and MPH – SOT package.) Both series MPS02/MPH02 and MPS04/MPH04 offer input voltage ranges of 4.5–12, 9–18, 18–36 and 36–75 and offer output ranges from 3.3, 5, 9, 12, 15 and 24VDC in single output. Dual output options +/-12VDC and +/-15VDC with 82% efficiency rate. Additional features include integrated short circuit protection, no minimum load required and the product comes with a 5 year manufacturer warranty. For more information on this product or any other pending project you have and will require a power supply unit, please contact Ideal Power.

T +44 (0)1733 309862
www.idealpower.co.uk

ideal Power, experts in power conversion, have recently added a new range of DC/DC converters to their portfolio of standard products suitable for Medical Applications from P-Duke. The new DC/DC converters can also be used in other industries such as automation, industry, instrumentation, networks and other industry sectors.

The new MPS02/MPH02 and MPS04/MPH04 series have been specifically designed with the medical industry in mind. The new DC/DC converters have been approved to the latest safety approval standard EN60601-1 and have the highest level of isolation, 2MOPP indicating they are suitable for each kind of Medical Application.

The MPS02/MPH02 offer both single and dual output options up to 4W in a DIP16 & SMD16 package (PM – SMPS package and MPH – SOT package.) Both series MPS02/MPH02 and MPS04/MPH04 offer input voltage ranges of 4.5–12, 9–18, 18–36 and 36–75 and offer output ranges from 3.3, 5, 9, 12, 15 and 24VDC in single output. Dual output options +/-12VDC and +/-15VDC with 82% efficiency rate. Additional features include integrated short circuit protection, no minimum load required and the product comes with a 5 year manufacturer warranty.

For more information on this product or any other pending project you have and will require a power supply unit, please contact Ideal Power.

T +44 (0)1733 309862
www.idealpower.co.uk

Ideal Power announces new DC/DC Converters for Medical Applications

Ideal Power, experts in power conversion, have recently added a new range of DC/DC converters to their portfolio of standard products suitable for Medical Applications from P-Duke. The new DC/DC converters can also be used in other industries such as automation, industry, instrumentation, networks and other industry sectors.

The new MPS02/MPH02 and MPS04/MPH04 series have been specifically designed with the medical industry in mind. The new DC/DC converters have been approved to the latest safety approval standard EN60601-1 and have the highest level of isolation, 2MOPP indicating they are suitable for each kind of Medical Application.

The MPS02/MPH02 offer both single and dual output options up to 4W in a DIP16 & SMD16 package (PM – SMPS package and MPH – SOT package.) Both series MPS02/MPH02 and MPS04/MPH04 offer input voltage ranges of 4.5–12, 9–18, 18–36 and 36–75 and offer output ranges from 3.3, 5, 9, 12, 15 and 24VDC in single output. Dual output options +/-12VDC and +/-15VDC with 82% efficiency rate. Additional features include integrated short circuit protection, no minimum load required and the product comes with a 5 year manufacturer warranty.

For more information on this product or any other pending project you have and will require a power supply unit, please contact Ideal Power.

T +44 (0)1733 309862
www.idealpower.co.uk
Buehler innovates the test instrument industry

In 1936, Adolph I. Buehler identified the need within the Midwest USA’s steel and automotive industries for metallographic sample preparation equipment and optical inspection industries, and Buehler was born. Almost 100 years later, and the company has grown immensely. Although still headquartered in Illinois USA, Buehler now operates from Germany, China and Japan, with direct sales or distributors in over 100 countries, and over 45 Solutions Centres worldwide.

Buehler is a leader in metallographic equipment and consumables, as well as Wilson® hardness testers, DiaMet® software, ISO-certified test blocks and accessories. The company is also a supplier of materials preparation and analysis equipment, hardness testers, consumable supplies and application solutions. With new, creative and innovative solutions for the global materials preparation and analysis market, Buehler is unwaveringly dedicated to producing products of a quality unsurpassed by its contemporaries, while adhering to environmentally responsible manufacturing principles. Buehler is recognised internationally for its laboratory solutions, committed service teams, education programmes and bespoke processes for more demanding applications.

This month the company is celebrating the opening of its newest Buehler Solutions Centre at the Warwick Manufacturing Group (WMG), an academic department of the University of Warwick in the United Kingdom. The new laboratory is housed within the Materials Engineering Centre and is equipped with the latest metallographic equipment, hardness testers and microscopes. Metallography classes are held there throughout the year. The laboratory is also available for private training, process improvement and customer consultations.

As one of the foremost businesses in the test instruments sector, Buehler consistently delivers customer backed ideas that seldom fall short of brilliance. All equipment engineered and manufactured by the company is tested rigorously ensuring that its performance when used by customers exceeds the realities of what can simply be regarded as adequate. With a team of Buehler scientist PhDs captaining the company’s creative and developmental processes, the company has never waned in its deliverance of innovative, intelligence and adaptation.

Considered to be one of Buehler’s leading brands, Wilson Hardness is constantly driving to redefine pre-existing hardness testing methods and products. Wilson’s DiaMet hardness software is a prime example of where that drive can take an idea. DiaMet has been created to simplify application and use when hardness testing. With navigational tabs sitting at the top of the screen, moving between home, program, testing and reporting has never been a simpler task. Coherent feedback is shown on the status bar, while the software itself can be operated via touch, mouse or keyboard. The software can be used for weld testing, colour mapping and geometric functions. The software can evaluate Macro-Vickers, Micro-Vickers, Knoop and Brinell indents according to ISO 6507, ISO 4545, ASTM E384, ISO 6506 and ASTM E10 standards. Readings can be taken in graphs or result grids that can afterwards be exported to PDF, printer, excel or a local database format. These are but a few of the numerous functions DiaMet has to offer.

Buehler General Manager, Julien Noel explains, “During the last few years, we provided clarity in the company strategy and created innovative solutions to help manufacturers that demand excellence. We will continue on the path to delight our customers with both equipment and consumable improvements.” The pride with which Julien speaks of Buehler is demonstrative of the pride the company takes in its work and clients, and will surely propel Buehler to heights never before reached in the Test Instrument industry.

Contact
T 0049 71149046900
insidesales.eu@buehler.com
www.buehler.com
www.bigbrute.co.uk
www.bangalore.co.uk

Industrial Cleaning Company of the Month

Clean up fast with Michael Williams Engineering Ltd

Celebrating its 45th year of industry service, Cambridge-based Michael Williams Engineering Ltd (MWE) is a multifaceted, with one arm of the business manufacturing Big Brute Industrial Vacuum Cleaners, and the other serving the agricultural industry by producing Bangalore Bird Scarers. Both ranges of machines are designed and manufactured in Cambridge, from where they are distributed globally. MWE offers free demonstrations of its products at customer locations, along with technical advice, guidance and support, both on and offline sales, plus an after sales service, repairs and spare parts.

The Big Brute Vacuum Cleaners clean up mess regardless of the industry that produces it – whether it’s wood, oil, dust, grain, swarf, sludge or sewage, the Big Brute has the capacity to clean. It’s wood, oil, dust, grain, swarf, sludge or sewage, the Big Brute has the capacity to clean.

Founder Michael Williams sadly passed away in 2017, passing the running of the company on to his two sons, John and James Williams. The family ethos that runs through the company stretches to the service it offers, with its customer being placed on ensuring that the customer is satisfied with not only the product, but the service that they receive.

The Big Brute has adopted the latest technology while maintaining a building process identical to that of which it has adhered to for years in order to ensure that any mechanical parts, no matter how old, will fit all Big Brutes. The company has machines that are 35 years old and still functioning in challenging environments, the company has never waned in its deliverance of innovative, intelligence and adaptation.

In order to create a true testimony to the reliability of the machines that MWE designs and produces, a true testimony to the reliability of the machines that MWE designs and produces.

MWE’s client base is as diverse as the two products they provide, ranging from warehousing to nuclear power generation and covering just about everything in between, the link between each industry served by MWE being the consistency in customer satisfaction. Recently the company has taken another step in solidifying the positivity of its customer relationships by introducing more interactive tools to its Big Brute website to aid customers as and when they need it, and to provide more efficient support. The company has also expanded its demonstration team and can subsequently visit more customers to share valuable knowledge on its Big Brute Industrial Vacuums.

The company is in the process of launching a new site for its Big Brute Vacuum Cleaners, offering the opportunity to purchase online, and hopes to become the first company you think of when needing an industrial cleaning solution. Currently working on new model designs to enhance its current range of machines, MWE is always looking forward. This year, MWE will be broadening its horizons and attending the contamination Expo Series at the NEC in Birmingham on the 11th and 12th September, you’ll be able to find them at stand H57, so make sure to drop by and say hello to find out more.

T +44 (0)1223 882222
denise@mikewill.co.uk
www.mikewill.co.uk
www.bigbrute.co.uk
www.bangalore.co.uk
Trace mercury determinations from waste water streams

PSA Analytical (PSA) showcases its new developments concerning trace metal monitoring, particularly for toxic mercury in waste water streams. We are excited to bring some real game-changing analysers to this application area with the launch of our new online systems.

Building on our class leading ultra-sensitive atomic fluorescence technology, the systems have been developed to use a fraction of the reagent volumes, perform fully automated on-board sample preparation and provide alarm outputs to help minimal real time processes from multiple waste streams. Grab samples may also be brought to the analyst for full process coverage.

Limit of detection for mercury is 0.5ng l⁻¹ (ppt).

The PSA technology removes interfering sample matrices and is a range of laboratory analysers, based on the same award-winning atomic fluorescence technology for ultimate detection performance for these elements including the analysis of different element oxidation states.

We are here to help. Should any of these topics be of further interest, please contact PSA via email at: psa@psanalytical.com, telephone on: +44 (0)1689 891211 or visit: www.psanalytical.com

Coolair is helping fans of a new fitness craze to keep cool. The contractor’s Cannon office provided energy efficient cooling and ventilation packages from manufacturing partner Mitsubishi Electric for the roll-out of seven Blaze Studios at David Lloyd Clubs in England, Northern Ireland and Holland. The studios have been designed for Blaze, a new workout class that combines mixed martial arts, intense cardio and strength training spiced up with motivational dance music.

The contract with PDS Design & Build of Wakefield, worth around £160,000, involved collaborating in the design and installation of the latest comfort cooling and heat recovery ventilation technology for the seven Blaze Studios across England, Northern Ireland and Holland.

Coolair installed a twin direct expansion (DX) split system incorporating four-way-blow cassettes to directly cool incoming air, along with a lossy noise unit mounted above the ceiling to extract the stale air and replace it with fresh incoming air by the on-going air, in each Blaze Studio.

Contact
T +44 (0)1543 574777
sales@coolair.co.uk
www.coolair.co.uk

AQUAPHON® A 150: Compact, Universal, Reliable

AQUAPHON® A 150 is a water leak detection system without rival. The A 150 receiver together with the市场化ed microphone technology of the AQUAPHON® A 200 system allows professional preexcitation and the precise prepinning of leaks. The receiver’s clever compact design and maximum carrying comfort are key qualities. Connected to high-end microphones and wireless headphones, the A 150 impresses, with its brilliant reproduction quality. In addition, noises are visualised on the display so that they can be reliably and uniquely evaluated. Thanks to adjustable filters and automatic frequency scanning, frequency ranges can be individually adapted to the user’s hearing.

Influence from sound interference is minimised, and the sound quality is optimised for reliable evaluation of the leak situation.

AQUAPHON® A 150 – automatic microphone recognition with the new carrying rod TS 150

The A 150 receiver is designed for prepinning along fitters or prepinning on different surfaces – either outdoors or in buildings. Measurements can be started or terminated using the activation key. Current and previous minimum noise levels are shown both as a graph and a numerical readout on the practical display. Volume, filter limits and hearing protection can be adjusted to the hearing of the individual user to optimal effect.

The high-quality press microphone features a frequency response especially optimised for leak detection. Digital signal processing also offers excellent acoustic properties. Thanks to the excellent sound quality and minimisation of sound interference, you can easily identify and locate leaks, even if the sound intensity of the leak is weak or there is significant ambient noise.

The AQUAPHON® A 150 receiver automatically calculates the filters and selects suitable frequency ranges. Alternatively, you can set manual filter limits according to your individual hearing and select frequency ranges which accentuate the leak noise. The powerful rechargeable battery also guarantees maximum availability without recharging for at least two working days.

The AQUAPHON® A 150 receiver also features a loudspeaker, which allows you to hear the ambient noise and the sound of the leak at the same time. This makes it easy to detect the leak even in noisy environments.

The system case provides ample space to accommodate all the components of the AQUAPHON® A 150.

Figures: Hermann Sewerin GmbH, Gütersloh

Cooling Systems fit for purpose

Coolair is helping fans of a new fitness craze to keep cool. The contractor’s Cannon office provided energy efficient cooling and ventilation packages from manufacturing partner Mitsubishi Electric for the roll-out of seven Blaze Studios at David Lloyd Clubs in England, Northern Ireland and Holland. The studios have been designed for Blaze, a new workout class that combines mixed martial arts, intense cardio and strength training spiced up with motivational dance music.

The contract with PDS Design & Build of Wakefield, worth around £160,000, involved collaborating in the design and installation of the latest comfort cooling and heat recovery ventilation technology for the seven Blaze Studios across England, Northern Ireland and Holland.

Coolair installed a twin direct expansion (DX) split system incorporating four-way-blow cassettes to directly cool incoming air, along with a lossy noise unit mounted above the ceiling to extract the stale air and replace it with fresh incoming air by the on-going air, in each Blaze Studio.

Contact
T +44 (0)1543 574777
sales@coolair.co.uk
www.coolair.co.uk

Hillside culverts cleared to reduce flood threat

Hillside culverts cleared to reduce flood threat

The threat of flooding faced by a community in a Welsh mountain valley is being greatly reduced by a culvert clearance programme carried out by Lanes Group plc.

The drainage specialist has been commissioned by the county borough of Rhondda Cynon Taf to carry out the surface water drains and culvert cleaning work in and around Cwmbran, near Aberdare.

Debris washed down the mountainside and into the culverts during periods of heavy rain and snow melt had greatly reduced the capacity of the culverts, increasing the risk of flash flooding.

Drainage engineers from the Lanes Cardiff office have worked closely with the county borough’s own asset maintenance teams to remove and dispose of many tonnes of silt, stones and large boulders.

Specialist drainage vehicles have been playing a key role in ensuring the culvert cleaning work can be carried out as quickly, safely and sustainably as possible.

The three-month programme, coordinated by the county borough, has resulted in the systematic cleaning of drains and culverts ranging from 100mm to 1,200mm in diameter.

Lanes has deployed a reciprocating jet vac tanker as well as a standard jet vac machine to carry out the water jetting and vacuumisation work.

A reciprocating jet can filter and reseal its water, allowing it to stay-on station for longer without refilling its tank, increasing productivity by up to 68%.

Much of the material removed has been captured HD quality images of the cleaned drainage system, along with an up-to-date map of the system to help the sound plan future maintenance.

T 0800 526488
sales@lanesgroup.co.uk
www.lanesfordrains.co.uk

Water, Energy & Environment Update

AQUAPHON® A 150 and the AQUAPHON® A 200.

The AQUAPHON® A 150 receiver and its unique carrying rod TS 150 can now perform the two roles for which a special test rod and the sensor interface on the carrying rod reliably detects the various microphones. The TS 150 can, therefore, perform the two roles for which a special test rod and the sensor interface on the carrying rod reliably detects the various microphones.

The AQUAPHON® A 150 receiver automatically calculates the filters and selects suitable frequency ranges. Alternatively, you can set manual filter limits according to your individual hearing and select frequency ranges which accentuate the leak noise. The powerful rechargeable battery also guarantees maximum availability without recharging for at least two working days.

The A 150 receiver is designed for prepinning along fitters or prepinning on different surfaces – either outdoors or in buildings. Measurements can be started or terminated using the activation key. Current and previous minimum noise levels are shown both as a graph and a numerical readout on the practical display. Volume, filter limits and hearing protection can be adjusted to the hearing of the individual user to optimal effect.

The high-quality press microphone features a frequency response especially optimised for leak detection. Digital signal processing also offers excellent acoustic properties. Thanks to the excellent sound quality and minimisation of sound interference, you can easily identify and locate leaks, even if the sound intensity of the leak is weak or there is significant ambient noise.

The AQUAPHON® A 150 receiver automatically calculates the filters and selects suitable frequency ranges. Alternatively, you can set manual filter limits according to your individual hearing and select frequency ranges which accentuate the leak noise. The powerful rechargeable battery also guarantees maximum availability without recharging for at least two working days.

The A 150 receiver is designed for prepinning along fitters or prepinning on different surfaces – either outdoors or in buildings. Measurements can be started or terminated using the activation key. Current and previous minimum noise levels are shown both as a graph and a numerical readout on the practical display. Volume, filter limits and hearing protection can be adjusted to the hearing of the individual user to optimal effect.

The high-quality press microphone features a frequency response especially optimised for leak detection. Digital signal processing also offers excellent acoustic properties. Thanks to the excellent sound quality and minimisation of sound interference, you can easily identify and locate leaks, even if the sound intensity of the leak is weak or there is significant ambient noise.

The AQUAPHON® A 150 receiver automatically calculates the filters and selects suitable frequency ranges. Alternatively, you can set manual filter limits according to your individual hearing and select frequency ranges which accentuate the leak noise. The powerful rechargeable battery also guarantees maximum availability without recharging for at least two working days.

The A 150 receiver is designed for prepinning along fitters or prepinning on different surfaces – either outdoors or in buildings. Measurements can be started or terminated using the activation key. Current and previous minimum noise levels are shown both as a graph and a numerical readout on the practical display. Volume, filter limits and hearing protection can be adjusted to the hearing of the individual user to optimal effect.

The high-quality press microphone features a frequency response especially optimised for leak detection. Digital signal processing also offers excellent acoustic properties. Thanks to the excellent sound quality and minimisation of sound interference, you can easily identify and locate leaks, even if the sound intensity of the leak is weak or there is significant ambient noise.

The AQUAPHON® A 150 receiver automatically calculates the filters and selects suitable frequency ranges. Alternatively, you can set manual filter limits according to your individual hearing and select frequency ranges which accentuate the leak noise. The powerful rechargeable battery also guarantees maximum availability without recharging for at least two working days.

The A 150 receiver is designed for prepinning along fitters or prepinning on different surfaces – either outdoors or in buildings. Measurements can be started or terminated using the activation key. Current and previous minimum noise levels are shown both as a graph and a numerical readout on the practical display. Volume, filter limits and hearing protection can be adjusted to the hearing of the individual user to optimal effect.

The high-quality press microphone features a frequency response especially optimised for leak detection. Digital signal processing also offers excellent acoustic properties. Thanks to the excellent sound quality and minimisation of sound interference, you can easily identify and locate leaks, even if the sound intensity of the leak is weak or there is significant ambient noise.

The AQUAPHON® A 150 receiver automatically calculates the filters and selects suitable frequency ranges. Alternatively, you can set manual filter limits according to your individual hearing and select frequency ranges which accentuate the leak noise. The powerful rechargeable battery also guarantees maximum availability without recharging for at least two working days.

The A 150 receiver is designed for prepinning along fitters or prepinning on different surfaces – either outdoors or in buildings. Measurements can be started or terminated using the activation key. Current and previous minimum noise levels are shown both as a graph and a numerical readout on the practical display. Volume, filter limits and hearing protection can be adjusted to the hearing of the individual user to optimal effect.

The high-quality press microphone features a frequency response especially optimised for leak detection. Digital signal processing also offers excellent acoustic properties. Thanks to the excellent sound quality and minimisation of sound interference, you can easily identify and locate leaks, even if the sound intensity of the leak is weak or there is significant ambient noise.

The AQUAPHON® A 150 receiver automatically calculates the filters and selects suitable frequency ranges. Alternatively, you can set manual filter limits according to your individual hearing and select frequency ranges which accentuate the leak noise. The powerful rechargeable battery also guarantees maximum availability without recharging for at least two working days.
Fridgenius! The small tool with the big attraction!

Fridgenius is a family run business which was established in 1995 by David Slydel, Managing Director. The company is based in Wimborne, Dorset, and Southampton, Hampshire and is now run by his son Chris Slydel.

Fridgenius operates within the HVAC, Water, Gas and Oil industries and specialises in the design and manufacture of the Solenoid Valve Operating Magnet which turns electrically operated solenoid valves into manually-operated valves in seconds. This tool enables service engineers to operate valves manually. The Solenoid Valve Operating Magnets are available in three sizes; 10mm, 15mm and 18mm, and can be customised to the customer's needs with choice of colour and addition of a company's logo print. The tool is safely designed as they are moulded in ABS plastic and designed to fit all makes of solenoid valves.

The Solenoid Valve Operating Magnets are designed to convert electrically operated solenoid valves into hand-operated valves; this provides great assistance during the installation process and recovery of refrigerants. The Solenoid Valve Operating Magnets are the perfect tool for the service and maintenance engineer, as it enables clients to operate the valves manually and with ease it causes the armature to open and close, allowing a valve to be kept open during the recovery of a refrigerant and system to be accessed.

With the tagline ‘The Small tool with the big attraction,’ Fridgenius have designed an innovative tool, which manually operates and controls solenoid valves in a plant or system, without having to energise the coil, so no power is needed. An example of this is in emergency situations where the Solenoid valve coil has failed; they can then be used to keep a system operating until a replacement is supplied, this eliminates the need to wire up systems or have the correct voltages. The wide range of services that the Solenoid Valve Operating Magnets bring make them ideal for Refrigeration, Air Conditioning, Water, Gas, Oil and all other HVAC applications.

Producing great customer satisfaction is what Fridgenius continually aspire to, upholding these core values with the provision of their products and services. Priding themselves on their extensive client range and distribution regions, Fridgenius work meticulously with their distributors and have created a vast networking platform over 20 years, enabling the company to grow both nationally and internationally.

Fridgenius are always looking for new clients and create new products and continue to recruit and work with distributors. To ensure this they will be holding an exhibit at The HVAC and Refrigeration Show at London, Excel, in January 2020.

To Become a Fridgenius Distributor or for further enquiries, please contact:
T +44 (0)2380 323745
enquiries@fridgenius.co.uk
www.fridgenius.co.uk

Solenoid Valve Operating Magnets
02380 323745  enquiries@fridgenius.co.uk
Grey Fleet Challenges

With an estimated 13 million grey fleet users already in existence and a predicted 11% fall in the UK’s company car fleet over the next 12 months, Licence Bureau is concerned about companies’ inability to adhere to Duty of Care obligations when employer’s use their cars on company business.

“The first question we ask fleets is how many company cars and grey fleet drivers they have. Most cannot answer the latter part of the question,” says Steve Pinchen, Sales Director at Licence Bureau (pictured).

He says generally it’s not because companies are complacent, but because the grey fleet part of their business is changing at such a pace.

The ‘management’ of such vehicles and the resultant increase in risk profile with insurance cover, vehicle condition, suitability for journey and fuel efficiency, are all outside an organisation’s control.

T +44 (0)1442 430980

Lasermet Laser Safety Solutions: World experts in Laser Safety

Lasermet Ltd is the UK laser safety company that manufactures its own laser safety interlocks and cabins. The modular laser safety cabinets are designed to conform to the laser safety standards BS 5887-1. The ‘Laser Castle’ laser safety cabinets protect personnel from the potentially damaging effects of laser radiation by ensuring that the laser is completely enclosed in the cabin when enabled. The doors can only be opened when the laser is disabled from firing. This is achieved through the interlock controller which forms an integrated part of the system.

If the laser beam inadvertently strikes any of the walls or roof of the cabin, the laser energy will be absorbed by the specially designed modular panels.

The cabinets are installed with Lasermet’s interlock controller and LED sign(s). Options include an HD-CCTV system to cover the operation inside the cabin and an integrated fume extraction system and motorised doors.

The cabinets can include ‘Laser Jailers’ – the Active Laser Guarding System that stops laser radiation in less than 50ms if the beam strikes the cabin.

Website: www.lasermet.com
E-mail: office@lasermet.com
Tel: +44 (0)1202 770740

Lighting the way with Messagemaker Displays

Industry Update is proud to announce Messagemaker Displays as our Signage Company of the Month. Since 1999 Messagemaker Displays has been producing and supplying LED solutions, and in 2011 was acquired by Stocksinc Ltd. Although being based in Surrey, the company has a nationwide sales team and technical support service readily available to find solutions to any queries potential or pre-existing customers may have. Messagemaker Displays produces signs predominantly for the motorway, carpark and road industries, although can accommodate for schools, care homes and security purposes also.

Specialising in vehicle activated signs, full matrix variable message signs and mobile variable message sign trailers, Messagemaker Display’s offer a range of signage products capable of covering a broad range of needs and holds a level of stock high enough to ensure the customer receives their order in a matter of days as opposed to weeks. Vehicle activated speed signs can be tailored to meet requirements of specificity presented by the client, and dispatched within four working days, making for speedy and efficient service as well as a product of above average quality and precision.

Messagemaker Display’s Vehicle Activated Speed Signs are designed to be easy to use and manoeuvre, meaning that signs can be programmed without an engineer present. If traffic in one area becomes a greater problem than another, the signs can be transported and reprogrammed without technical hassle, making them perfect for busy town centres or areas with a heavy traffic flow.

All Messagemaker Display’s products are tried extensively prior to being offered for purchase, ensuring any concern the customer may have upon ordering or receiving a sign. Messagemaker Display’s Speed Indicator device will show the exact speed of the incoming vehicle, along with the words ‘slow down’ if said vehicle is travelling at a speed above that of the limit, making for a bold prompt for the driver to reduce their speed. Equally as bold is Messagemaker Display’s Speed Limit Reminder, which can display speed of up to 40mph, circled in red above a cautionary slow down sign, producing an unmissable reminder of the appropriate and legal speed to be travelling at. The latest addition to the vehicle activated sign range is the Smiley Activated Message Sign, which will either display a happy or sad face, making for a clear indicator as to whether oncoming vehicles need slow down or maintain the same speed.

Messagemaker Display’s signs are used largely amongst local and parish councils, as well as with industrial companies like quarries or warehouses, a testimony to the reliability of both their products and customer relations. The company’s ethic is clear: to provide exceptional service to the customer, a service built on technical and product expertise. A sure outcome given Messagemaker Display’s 20 years of experience in its field.

The company has exhibited at Traffex 2019 and will be attending Parkex 2020, at the Ricoh Arena 17-18 June. Since being a part of the Stocksinc Group, Messagemaker Displays are also able to integrate its 20 years of experience with a well-established and respected company, making for a group that strives for innovation in both its products and its service.

Contact T +44 (0)1373 774738
www.messagemaker.co.uk

Signage Company of the Month
Experts in life extension of materials & critical components

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

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

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

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

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

When it comes to engineered coatings, Curtiss-Wright Surface Technologies have a wide scope of services, including providing thermal management, corrosion and erosion, and protection and repair of turbine components. Curtiss-Wright Surface Technology can provide protective engineered coatings or metal coatings to protect components from the environment, corrosion, heat, and wear. As they can ensure protection for components of any size or complexity, they have a vast client base made up of those seeking their protective coating services, including the aerospace, oil, gas, automotive and medical industries.

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

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

This specialist process puts exceptionally deep residual compressive stress in certain parts of a component to prevent crack initiation and fatigue. Not only does this allow the component to resist damage from erosion, strike damage, fretting, and corrosion, but it can also better withstand pressure from both low cycle/high stress and high cycle/low stress situations. Better yet, their laser peening ensures quality control, precise application and poses no risk of process contamination.

Preventing the failure of critical components is a huge concern for clients, and is one of the most highly sought after services from Curtiss-Wright Surface Technologies. Problems can be caused due to any number of reasons throughout the component design process, whether it’s the choice of materials used, incorrect assembly, or damage to the parts caused by bending, rolling or forging.

Components of any type can be damaged, such as blade roots, rotating rings and tie wire holes used in Aero-Engines, fasteners and stringers used in Airframes, and torsion bars, gears and keyways, which are used to make Crankshafts and more. Thankfully Curtiss-Wright Surface Technology have a large array of solutions, including but not limited to: C.A.S.E. isotropic superfinishing, Parylene coating, Thermal barrier coatings, Cathodic protection and much more.

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

Contact
T +44 (0)1635 279621
www.cwst.co.uk

www.cwst.co.uk
Economically shot blasting of castings

The surface treatment of castings has a decisive influence on the quality of the final products. At the fair GIFA, which takes place in Düsseldorf from 25th – 29th June 2019, AGTOS will present a steel mill tumble shot blast machine in hall 16, booth A39. This type of machine is used for removal of sand and finishing the surfaces of casted mass products. Special features bring decisive advantages to the operator. The brackets of the steel mill tumble belt are designed to be particularly wear-resistant. The change intervals extend significantly. The ventilation of the blasting chamber has been designed in a special manner which ensures that the workpieces leave it dust-free immediately after blasting. In this way, the cycle time can be shortened. A longer air outlet is avoided after the blasting process. In addition, the system has comparatively small gaps in the blasting chamber. This prevents jamming of the workpieces and ensures their quality. In addition, the plants will be equipped with the strong and easy-to-maintain AGTOS high-performance turbines. Even the reliable filter technology is a popular advantage due to the maintenance-friendly design. The exhibition team likes to show the details at the exhibit.

T +49 (0)2572 960260
info@agtos.de
www.agtos.com

Surface Finishing & Grinding Update

The surface treatment of castings has a decisive influence on the quality of the final products. At the fair GIFA, which takes place in Düsseldorf from 25th – 29th June 2019, AGTOS will present a steel mill tumble shot blast machine in hall 16, booth A39. This type of machine is used for removal of sand and finishing the surfaces of casted mass products. Special features bring decisive advantages to the operator. The brackets of the steel mill tumble belt are designed to be particularly wear-resistant. The change intervals extend significantly. The ventilation of the blasting chamber has been designed in a special manner which ensures that the workpieces leave it dust-free immediately after blasting. In this way, the cycle time can be shortened. A longer air outlet is avoided after the blasting process. In addition, the system has comparatively small gaps in the blasting chamber. This prevents jamming of the workpieces and ensures their quality. In addition, the plants will be equipped with the strong and easy-to-maintain AGTOS high-performance turbines. Even the reliable filter technology is a popular advantage due to the maintenance-friendly design. The exhibition team likes to show the details at the exhibit.

T +49 (0)2572 960260
info@agtos.de
www.agtos.com

Safe, easy & convenient

Blackfast’s room temperature blacking process is safe, easy and convenient to use. The process has been developed for safe and reliable use in metal working facilities, so it is no longer necessary for parts to leave the production site for finishing by an outside contractor.

Unlike conventional methods of blacking, it is non-hazardous.

Blackening of iron and steel provides a corrosion resistant finish without dimensional change. This is attractive for machined parts manufactured to tight tolerances, where plating or painting would not be acceptable.

As it is very important that the components are clean and free from grease before using the blackening process, Blackfast also offers a range of degreasers from solvents to water based and rust removers.

Contact
T +44 (0)20 8339 7370
www.blackfast.com

Aired Welding Systems meeting new HSE welding requirements

Wilkinson Star, one of the UK’s largest independent distributors of Welding Equipment, Welding Consumables and Air Compressors are the new exclusive UK and Eire distributor for Weltek Airfed Grinding & Welding Systems.

The Weltek range of Airfed Welding and Grinding Systems has been designed to provide a new solution to active welding protection as well as providing the user the comfort, fit and versatility for everyday use. These systems meet the NEW HSE protective directive for welding on mild steel.

For users needing side vision there are two models available. The Kapio S4 Auto darkening Helmet offers 160 degree side vision, 4 arc sensors, a viewing area of 93 x 43mm with grinding function whereas the Navitek Side Vision S4 Auto darkening helmet offers all the same features as the Kapio but with an extra large clear grinding visor beneath the welding flip. Both units conform to EN166B, 175B, 379.

Highlighted features of the S4 series include an ADF cartridge with advanced true colour technology.

Included with each system is the Airkos powered air purifying respiratory unit which enables the operator to weld/grind/cut while breathing purified air through a particulate filter.

The Weltek systems are available through Wilkinson Star’s extensive distributor network. For further details, please contact Wilkinson Star on: +44 (0)161 728 7900 or visit: www.wilkinsonstar.com
Increase your mold manufacturing versatility using the power of gun-drilling with the leaders in deep hole drilling, UNISIG. Offering complete solutions for everything from simple to complex mold components, UNISIG machines help moldmakers improve efficiency, throughput and precision with outstanding part-processing versatility at an exceptional value.

TAKE YOUR MOLDMAKING OPERATIONS FURTHER WITH UNISIG TODAY.

Find out more at www.UNISIG.com
Pizza plant saves over €15,000 after switch to NSK bearings

A manufacturer of frozen pizzas was experiencing failures every four weeks on the belt tensioner serving one of its food conveyors. However, a simple change to NSK Molded-Oil bearings resulted in significantly prolonged operating life, leading to annual cost savings of €15,360.

Within the framework of NSK’s AIP programme (Added Value Programme), which is offered as a service to bearing users, company experts inspected the failed bearings and performed an application review at the frozen pizza plant. The team determined that the damage was mainly due to frequent cleaning of the production line using water. This process was causing damage to the bearings seals, as well as corrosion of the rolling elements and raceways. Moreover, lubricant was being washed out of the bearings due to water penetration.

To remedy the situation, NSK recommended replacing the existing standard bearings with Molded-Oil bearings made of stainless steel. NSK’s Molded-Oil bearings are ideal for applications in food plants. Not only do they prevent the ingress of contaminants such as water and particulates, but no lubricant can escape the bearing and enter other parts of the machine, where it could potentially contact food.

Molded-Oil bearings are equipped with a proprietary oil-impregnated material that consists of lubricating oil and a polyolefin resin with an affinity for oil. This carrier oil-impregnated material that consists of lubricating oil and a polyolefin resin with an affinity for oil. This carrier

New Laser Scanner for additive manufacturing

Aerotech, provider of high-performance motion control and positioning systems, has launched the AGV-SPO, a new high-performance galvo scanner that offers a larger field of view than conventional 2D scanners, reduces laser spot distortion and is flexible enough to accommodate a wide range of laser wavelengths thanks to a large variety of mirror surfaces. As a result, the laser scanner is suitable for a wide range of applications, from additive manufacturing to medical devices.

With just one pivot point for X and Y deflection, the new scanner increases the field of view, reducing laser spot distortion in critical laser micromachining applications. Due to the special optical design, the entrance pupil of the laser beam coincides with the X and Y deflecting mirrors, increasing the effective numerical aperture of the scanner system. The design immediately increases the field of view for a given focal length and reduces laser spot distortion throughout the working area. Even larger parts can now be processed faster with improved uniformity.

Aerotech’s AGV-SPO scanner provides a range of mirror coatings and focusing optics to support a variety of commonly used laser wavelengths and focal lengths. Also, customer-specific optics and optical mounting options can be adapted as a special solution. Optional air-cooled mirrors and/or water-cooled motors ensure constant temperature conditions and continuous good work results even with high laser power or highly dynamic motion profiles.

Path control functions such as acceleration/limitation offer the ability to automatically reduce scanning speed in tight bends or small radii to minimize overshoot. In addition, the laser can also be triggered based on the position feedback of the mirrors via the PSO.

A new high-performance 2D scanner, reduces laser spot distortion and is flexible enough to accommodate a wide range of laser wavelengths thanks to a large variety of mirror surfaces. As a result, the laser scanner is suitable for a wide range of applications, from additive manufacturing to medical devices.

Meet the next generation 7 axis cobots

Supplied with touch screen tablet pendant and CPU with rapid and simple deployment, no prior experience needed.

Collision detection, European safety equipment and adherence.

Redundant 7th axis for true obstacle avoidance.

Currently available with either a vacuum or pneumatic end effector for immediate payback.

PatentSeekers-the Global Patent Searchers

Specialist global search services for patent attorneys, universities, technology companies and SME’s.

- Patenability/Novelty Search
- Infringement/FTO/Clearance
- Invalidity/Patent Busting
- State of the Art
- Patent Mapping/Landscapes
- Patent Monitoring
- Patent Status
- Competitor Analysis

Please visit www.patentseekers.com

T +44 (0)1633 816601 • E mail@patentseekers.com

Manufacturing & Automation Update

Festo UK Distributor of the Year

As a company specialising in pneumatics, you know that you are doing something well. When one of the planets top pneumatics manufacturers presents you with their UK Distributor of the Year award. To say that we are delighted with the award is an understatement.

While we are the UK’s largest distributor of pneumatic products and systems, we are a relatively small company when compared to some of the huge multi-national organisations that we had to beat to win this award. And that is a great feeling. So how was Thorite able to lift the Festo UK Distributor of the Year award against such competition?

While we look upon all our suppliers as Partners and work hard with them to fully understand what they do and why they do it, our success is due to the importance that we place on our customers.

Our policy is to make sure that everyone, including our counter staff at our eleven Sales & Service Centres through to our Key Account Managers have the product knowledge necessary to provide the very best service for our customers that is possible.

So, thank you Festo, the award is very much appreciated.

Contact Ross Gowler
T 0800 034 5850
www.thorite.co.uk

Manufacturing & Automation Update

Industry Update is sponsored by Pyon Products – see them on page 15
Introducing the NANOULTRA Range

What we’ve heard from our customers is that they want better product information, easily accessible, easy to understand and order from. They also told us they value our way of doing things, our agility and our cut-and-edge technology and they wanted the products and the company to look the part of the world class partner we are.

Our purpose is to harness the Industrial Internet of Things to help you power your business. In order to give our customers this clarity we have re-branded to create a new identity and a true product family. Our company name now represents the wireless solutions for IoT that sit at the heart of all we do. Our standard hardware products service a wide range of applications and offer you the chance to immediately access the Industrial Internet of Things to power your business. They all seamlessly link to the CDL SmartHub™ where you can configure and manage assets, set alarms, view audit trails, integrate and export data, view trends and visualise data.

Investing in the NanoLTRA and CDL SmartHub™ gives you access to a fully integrated end-to-end IoT solution to effectively manage your assets.

The products within our range all have their own unique attributes that deliver solutions within specific application areas. But what they all do is log data and transfer it securely to our IoT asset management platform, the CDL SmartHub™, where the raw data can be turned into actionable insights, delivering you a quick return on investment.

Our unique position of having application specialists, hardware, software and firmware engineers in house allows us to go a step further and custom build our standard range to ensure our customers get exactly what they need.

This ability to adapt and remain agile can allow customers to engage us on these special projects and ensure that their industrial IoT needs are met?

NANOULTRA – EDGE

Managing a network of field assets has never been easier with the NANOULTRA – Edge. It has the flexibility of up to 16 I/Os, integrated SD card and communication via mobile phone networks. Its high-resolution data transfer happens seamlessly and securely from multiple assets to our secure cloud platform, the CDL SmartHub™.

NANOULTRA – MATRIX

The NANOULTRA – Matrix allows you to connect multiple wireless sensors to a single base station allowing measurement of temperature, humidity, CO₂, VME and more. The analogue input wireless sensor option allows not only connectivity to our sensors but opens up the ability to connect with 1,000s of available ‘off the shelf’ sensors, which creates infinite options for accessing the Internet of Things within your sensor networks.

Our internally made, battery-powered wireless sensors incorporate state-of-the-art sensing technology to accurately measure and monitor data, before transmitting to NanoULTRA – Matrix base station. The data is then transmitted via mobile phone networks to our secure cloud platform, the CDL SmartHub™, where raw data can be turned into actionable insights. Previously known as the RDU/1000 and the Nano/1000, we plan to build on this product’s capability.

NANOULTRA – VIBE

Monitoring the levels of vibration in a static environment has never been easier with the event base NANOULTRA – Vibe. It has been carefully designed to be robust for use in harsh environments such as construction sites, yet still easy to use and sensitive enough to capture low frequency vibrations providing you with valuable data on events as they happen. Formally known as the RDVI/Vibe, this unit will continue to be a leader in event-based monitoring for the construction industry.

NANOULTRA-SHOCK

Deploying remote environmental sensors has never been quicker and easier. The NANOULTRA – Atom is a self-contained, battery powered temperature and humidity data logger that seamlessly communicates its values to the CDL SmartHub™ recording temperature and relative humidity (RH). Formally known as the NanoATOM, this compact unit quickly addresses your environmental needs.

Investing in hardware from the NANOULTRA range and CDL SmartHub™ gives you access to a fully integrated end-to-end IoT solution to effectively manage your IoT needs.

We will continue to listen to our customers to build on this change and ensure we deliver the best service we can. We hope you are excited about our re-brand and look forward to hearing your feedback.

Contact
T +44 (0)1905 754078
info@captiondata.com
www.captiondata.com

Smallest and most rugged High Speed Cameras available

Small but mighty, the Smallest and most rugged High Speed Cameras available. Despite the small size, the impressive image quality is high resolution and the high frame rates will capture the details of the majority of engineering tests. In addition, we’ll be launching tiny streaming cameras capable of recording at high frame rates for sustained periods direct to a permanent recording. This will allow even more applications to be tackled, including road and track testing with equally compact and rugged LED lighting solutions, more applications than ever can be filmed in slow motion.

All our equipment now has battery power options, so field based trials are no restriction. In addition, this year we’ll be exhibiting next to Thermal Vision Research, so come and see the demonstration on stand 57, showing thermal and temporal analysis of the first piece.

Contact
T +44 (0)1462 621124
www.idtvision.co.uk

Take the stress out of Air Sampler Flow Calibration

Regulatory compliance, customer confidence, reduced risk, due diligence, quality and measurement uncertainty are just a few of the factors that may contribute to your decision-making process of using Young Calibration as your UKAS accredited laboratory. The flow calibration laboratory offers both accredited (G50 17065:2017) and standard traceable calibrations to satisfy the customer preferences. In many instances it may be deemed essential to use a non-accredited calibration, in the thinking that you may save on cost, this is no longer the case, and not necessary. At Young Calibration we can offer UKAS accredited flow calibrations, cost comparable to those of non-accredited calibrations. Why would you take the chance? Our measurement uncertainty covers all working-class flow meters and many of the master meter reference standards in use today.

When working in legal metrology and regulatory sectors, ISO 17025 accredited calibrations will ensure you are operating with confidence, minimal risk and diligent compliance to the measurement chain.

Contact Adrian Young,
T +44 (0)1273 455572
a@youngcalibration.co.uk
www.youngcalibration.co.uk

Custom-assembled level sensors with guided microwave

EGE offers to configure level controllers with guided microwaves according to customer specifications. Based on its proven standard level gauge, the German manufacturer is able to adapt the sensors to suit various tank geometries, mounting conditions, or demanding media in no time. Options include argiled probes that can be mounted on the side of tanks. EGE employs special materials such as Hastelloy or titanium to manufacture probes for use in aggressive media. EGE also specifically adapts the sensors to dielctic constants and to the temperature ranges of the liquid to be measured to ensure precise results in challenging media and cramped installation conditions.

T +49 4346 641580
info@eglelektronik.com
www.eglelektronik.com

Industry Update is sponsored by Micheal Williams Engineering – see them on page 6
Pyon Products was co-founded by Gill and Alan Dickson, both of whom have an extensive background in dairy farming and calf rearing. They developed an animal health and nutrition business, Westhope Livestock Supplies, and ran it for 25 years before it was acquired by Wincanton Group PLC in 2007.

In 2014, Pyon Products became active. The idea was born out of Gill’s recognition that there was an abundance of evidence saying that feeding animals plenty of milk solids in their first eight weeks of life ‘switches on’ genes which protect them against disease, and enhance lifelong performance. Now, Pyon Products is striving for animal welfare and to improve feed conversion in livestock.

Pyon Products’ Store and Thaw Colostrum Management System allows farmers to test and store colostrum, so young stock can be fed quickly and therefore get the antibodies they need to ensure optimal health. “If colostrum is consumed within the first six hours of an animal’s life, the antibodies are easily absorbed into the gut. Our Store and Thaw Device means that farmers can thaw colostrum safely, and feed it to young stock as soon as possible.”

The industry is driving to increase its efficiency, breeding animals which will be more efficient converters of feed, grow faster, and have greater longevity and Pyon Products is offering superior equipment in order to contribute to this mission. “We are looking to change people’s perspective. We are offering an education programme, in essence, don’t just leave it to chance, it is far better to take control of the situation, focus on a target and plan a protocol and feed programme – if you help the animal, it helps the farmer.”

If you would like to find out more information, you can often find Pyon Products at numerous livestock events, including Dairy-Tech, UK Dairy Day, and N.S.A. events. Alternatively, head to their website or use the contact details below.

T +44 (0)1432 830409
info@pyonproducts.com
www.pyonproducts.com

Industry Update is proud to announce that Pyon Products has been selected as our Agricultural Manufacturing Company of the Month, for their pioneering work in providing innovative solutions for young stock management.

Pyon Products has been selected as our Agricultural Manufacturing Company of the Month, for their pioneering work in providing innovative solutions for young stock management.

Pyon Products was co-founded by Gill and Alan Dickson, both of whom have an extensive background in dairy farming and calf rearing. They developed an animal health and nutrition business, Westhope Livestock Supplies, and ran it for 25 years before it was acquired by Wincanton Group PLC in 2007.

In 2014, Pyon Products became active. The idea was born out of Gill’s recognition that there was an abundance of evidence saying that feeding animals plenty of milk solids in their first eight weeks of life ‘switches on’ genes which protect them against disease, and enhance lifelong performance. Now, Pyon Products is striving for animal welfare and to improve feed conversion in livestock.

If you feed an animal to appetite, it will grow to its genetic potential,” Gill explains. “They are not fully satisfied if their feed is restricted, so we believe it is important to use a natural feeding system, work with nature, rather than against it, and you will reap the rewards.”

Offering simple and affordable solutions to get animals fed efficiently, Pyon Products is steeped in extensive experience in the practical side of handling livestock. Due to Alan and Gill’s hands-on experience, they both have a practical outlook on equipment and the needs of farmers, ensuring they are well-placed to design their innovative products. Furthermore, they are very simple with few moving parts, meaning there is less wear and tear and therefore a reduced need for servicing.

Their flagship product is their Heatwave Milk Warmer™, a unique offering on the market. Using heat exchange technology to heat milk on demand, it is a multi-purpose feeder with the facility to use different teats for lambs, calves and goats.

“One of the things that drives the industry is to increase its efficiency, breeding animals which will be more efficient converters of feed, grow faster, and have greater longevity and Pyon Products is offering superior equipment in order to contribute to this mission. “We are looking to change people’s perspective. We are offering an education programme, in essence, don’t just leave it to chance, it is far better to take control of the situation, focus on a target and plan a protocol and feed programme – if you help the animal, it helps the farmer.”

If you would like to find out more information, you can often find Pyon Products at numerous livestock events, including Dairy-Tech, UK Dairy Day, and N.S.A. events. Alternatively, head to their website or use the contact details below.

T +44 (0)1432 830409
info@pyonproducts.com
www.pyonproducts.com

UNISIG introduced a solution that would consolidate multiple gundrilling machines into a UNI25HD multi-spindle machine, replacing several decades-old pieces of equipment to free up floor space, and equipping the machine with high power and control technology that allows them to take advantage of newly updated tooling technology.

By combining multiple spindles and high feed rates of these new indexable gundrills, receivers are now produced at a rate of more than 100 parts per hour, in a steady one piece flow, significantly improving their previous production rates.

Gundrilling is the process of drilling deep holes, typically with diameters of 0.1 in (2.54 mm) or greater, especially in large work material. UNISIG’s technical team, along with tooling manufacturers, optimised the process and produced an automated system that was a clear solution for this customer. Their team was impressed with the clean, modern system that fit well into their modern manufacturing concept. UNISIG also provided installation and training to ensure they can hit their production and accuracy goals without issue.

The UNISIG UNI25HD machine ultimately eliminated the production bottleneck and floor space issues previously affecting manufacturing and introduced a compact, high-value automated machine that maximises production, allowing them to keep up with any demand they may face.

UNISIG’s technical team, along with tooling manufacturers, optimised the process and produced an automated system that was a clear solution for this customer. Their team was impressed with the clean, modern system that fit well into their modern manufacturing concept. UNISIG also provided installation and training to ensure they can hit their production and accuracy goals without issue.

The UNISIG UNI25HD machine ultimately eliminated the production bottleneck and floor space issues previously affecting manufacturing and introduced a compact, high-value automated machine that maximises production, allowing them to keep up with any demand they may face.

T +44 (0)1722 968759
info@unisig.de
www.unisig.com

www.unisig.com
**Impact supports employers with FREE site assessment following HSE welding update**

In order to support employers compliance with the recent HSE welding fume update, Impact Technical Services are offering a free site assessment to UK businesses who are concerned their current efforts are no longer adequate.

Impact Technical Services provide LEV systems, equipment and testing to completely remove the hazardous fume from the working area. We are specialised and experienced at dealing with this type of welding fume and are on hand to ensure you are fully compliant and protecting your workforce.

The free assessment includes a site visit by an experienced LEV technician who will check and advise you on your current fume control methods to ensure you are adequately protecting your workforce.

The HSE announcement, dated February 2019, explains that while general ventilation was deemed adequate protection from mild steel welding fume, it is now insufficient and that Local Exhaust Ventilation (LEV) systems and Respiratory Protective Equipment (RPE) is required as a result of the findings.

With immediate effect, there is a strengthening of HSE’s enforcement expectation for all welding fume, including mild steel welding. Because general ventilation does not achieve the necessary control.

If you have any queries regarding this update or would like to know more about LEV, extraction methods and air quality testing, please feel free to contact us on: +44 (0)116 2448855 or email us at: enquiries@impactts.co.uk.

---

**Productivity boosted**

Air distribution product manufacturer, Gilberts (Blackpool) has deployed Infor Configure Price Quote (CPQ). Integrated with Infor CloudSuite Industrial, Gilberts expects to use the application to help support its initiatives to speed up the customer estimation process, expedite production, and reduce inventory.

A long-standing user of Infor CloudSuite Industrial, Gilberts selected Infor CPQ based on its ability to process a greater number of quote enquiries with fewer resources. It also hoped to reduce training, and to be able to more efficiently process orders regardless of whether they are make-to-stock or make-to-order.

Gilberts is already seeing benefits with a 50% line entry improvement on quotations and orders placed. This has led to faster quoting, increased capacity and greater accuracy. Training in the estimation process has reduced from six months to a few weeks.

**Contact**

T +44 (0)1252 556000

---

**Described by Chicago Pneumatic as a ‘must have’ for setting up an airline installation in a tough industrial/MRO environment, a Filter Reg Lubricator (FRL) helps ensure regulated clean air is available to the required tooling.**

The company says that, for tough environments, an FRL with a metallic housing is best suited, whereas in smaller less hostile areas a composite version may be used. Often the choice would be FRL units with 2 or 3-stage; both deliver the same functions (Regulation, Filtering, Lubrication). The main differences between them are aesthetics and compactness.

In some cases, where higher dynamic pressure is needed, a 3-stage unit would be recommended. The Air Fuse is a safety item that Chicago Pneumatic recommends be fitted directly after the FRL. This simple, compact unit can be fitted quickly and easily. Its purpose is to shut off the air flow with immediate effect in the event of a poorly fitted hose disconnecting from its coupling or becoming damaged in any way. Without the fuse such a hose (while fully charged with compressed air) would present a serious hose whip hazard within the work area. This would only cease once the airline was manually turned off.

---

T +44 (0)1442 838999

---

**Expert advice**

**For more information visit www.procentec.co.uk**

---

**16 Industry Update is sponsored by Micheal Williams Engineering – see them on page 6**
ERA acquires Y-cam to accelerate its growth in the smart security market

Home security specialist ERA has purchased British smart security pioneer Y-cam. The acquisition will make ERA one of the most advanced and capable providers of smart security solutions for the home.

Y-cam’s proprietary cloud platform, alongside its range of award-winning security cameras, alarms and sensors, will bring ERA unrivalled expertise in the sector and substantial potential for further growth. According to a recent GfK Global report, the UK is the fastest growing smart home market in Europe and smart security products have the second highest level of appeal after connected entertainment devices.

Daren Waters, ERA’s CEO said, “This acquisition is an important strategic move for ERA. Rapid growth in the connectivity of British homes, coupled with a big increase in consumer awareness, means that demand for trustworthy, smart security technology is increasing rapidly. Unlike many other businesses in the sector, we’re building our smart capability on 180 years of home security expertise; this unrivalled experience gives massive confidence to trade partners and end users alike. The acquisition of Y-cam puts ERA right at the forefront of the smart security market.”

www.eraeverywhere.com
info@eraeverywhere.com
T +44 (0)1889 598600

NAAD: National Association of Air Duct Specialists UK

The National Association of Air Duct Specialists UK (NAADUK) is the first UK Register of qualified Technicians. NAADUK’s objective is to improve Industry standards in ventilation and facilitating inter-communications between the group.

NAADUK hold regular meetings ensuring that discussions are up to date, with topics focusing around Indoor Air Quality and the importance of cleaning techniques.

In 2018, NAAD completed testing of intumescent materials with fire rated ducts in alliance with ASFP, hosted seminars to interested parties promoting the importance of ventilation and kitchen extract cleaning; and conducted site visits to ventilation related factories to learn more about the components of a ventilations system.

A full programme for 2019 is underway with Value Testing, seminars and connecting with like-minded establishments to be a greater force in the sector.

Currently NAADUK’s are collating material for a ‘Book of Knowledge’ as a reference for every technician to complete their work with understanding and technical proficiency. Why not join us and help shape the industry? Be competent in your work and attend an approved course.

For information on membership, contact Olivia Deen on: +44 (0)1404 413333. For technical guidance, call Peter Reid on: +44 (0)1404 891539 or email: peter@naaduk.co.uk.

OMNIE ScreedPlate

Despite their vernacular styling, the properties make full use of contemporary construction technology to meet (and in some respects exceed) current building regulations. Their high insulation standards make them ideal to benefit from the characteristics of underfloor heating, which offers excellent occupant comfort and energy efficiency when run at lower temperatures than conventional radiators.

The installation of the OMNIE ScreedPlate panels, pipework and manifolds was undertaken by Lee McClurg of L. McClurg Plumbing & Heating Ltd. For the upper storey to each house, TorFloor panels and pipe have been fitted. This has then been connected to an eight-port manifold to each house, TorFloor panels and pipe have been fitted. ScreedPlate is amongst the most popular options to OMNIE’s LayFast brands; being compact and suitable for energy applications. The low levels of heat are simply pressed into the profiles without the need for joints and resist being disturbed as the screed is laid.

Contact
T +44 (0)1392 363605
projects@omnie.co.uk
www.omnie.co.uk
Sustainable Logistics Solution for faster order processing

SI Schaefer has implemented a highly automated picking and shipping system for SANICARE, one of Germany’s largest mail-order pharmacies. The new system handles more than half of the picking processes automatically. With a processing time of 12 minutes per parcel, up to 10,000 shipments leave the logistics centre every day.

For picking fast movers, SI Schaefer installed an A-Frame as an automatic picking system with capacity for 850 top items. After dispensing the items from the automat onto the collecting belt, the products are transported to the filling point and into the picking carts, meaning a separate costly repacking process can be eliminated. The filling carts directly from such a system is unique in the mail-order pharmacy sector,” emphasises Heinrich Meyer, owner of BS-Apotheke DHG.

Part of the modern system is also a fully-automatic carton executor to execute 98% of common carton sizes. In a further step, the carts are filled with inserts and marketing material, are provided with a barcode, thereby linking directly to the customer order. The possibility to add inserts unspecifically or selectively is another special feature. The logistics software WAMS® is used for system control and continuous optimisation of the material flow, completes the system.

Contact
T +44 (0)121 242 6999
wenga@hazal4d.com
www.hazal4d.com

TYRI revolutionising heavy vehicle lighting

TYRI, a world leader in work lighting, is launching a brand-new heavy vehicle lighting system – INTELLilight™. This intelligent lighting system works on a similar principle to a wireless mesh network: the lights are interconnected via Bluetooth in a closed network, which is integrated with the vehicle, and then easily controlled via an app. The lights are zoned according to the working situation, external circumstances, and the current user and all information is based on INTELLilight™ improves the whole work environment for operators. Lighting is personalised and acts accordingly to each unique situation. Furthermore, you can easily dim the lighting and adjust the colour temperature from warm yellow light to cold blue light. If you choose to integrate sensors into the system, the lighting itself will increase the comfortability by ensuring that the lights perform the desired actions in different situations. For example, by dimming the light when the vehicle’s own lighting dazzles the operator, or when passing another vehicle.

A radio-controlled system also allows the lights to be switched on and off from a distance for increased safety,” says Christian Wadell, Head of Research & Development at TYRI Sweden. TYRI listens and adapts to the changing market in order to remain at the forefront and offer sought-after products and services. Due to TYRI’s proactive approach and having its own proprietary research and development in Sweden, new technologies can be rapidly developed and tested.

Contact
T +44 (0)756 700568
sales@tyrilights.com
www.tyrilights.com

Stanair: Quality on call

When a shoeemaker took over a new factory it presented plenty of new opportunities for the business, but it was important to ensure that security was high.

The premises had an old style roller shutter in place, but there were some issues with keeping the building warm, after enlisting the help of its Surveyors, a new roller shutter was recommended with additional insulation.

Stanair’s engineers removed the previous door and installed a fully secure new roller shutter in time for the factories grand opening.

“Opening up our new factory has been very exciting for us, and also presented lots of challenges,” said Matthew Allan of Foster & Son.

“Have to Stanair provide the door solution for us so efficiently has helped us overcome one of those challenges – they’ve been great to work with.”

Westgate launch first-to-market product

Easipanel is designed for factories and warehouses where there is a requirement to reduce heat and/or glare and UV from entering via existing roof lights, but there is a need to maintain natural light.

The product has been developed to help combat several common issues including: reducing excessive heat for employees nearer to roof lights on mezzanine floors, reducing H&S glare issues in environments with heavy forklift traffic and preventing product spoilage from heat and UV on high bay racking, which places products closer to roof lights.

Easipanel is manufactured using multiwall polycarbonate sheets that are custom designed and installed to suit your building’s roof light configuration. The installation methods and components used ensure that no damage is done to the existing roof or roof lights, and panels can be easily removed if required.

Depending on the environment, a heat reduction of approximately 53% can be achieved, as well as approximately 55% shading coefficient. This can be done whilst still maintaining up to 50% of natural light, which is more than is achieved with the alternative of painting roof light panels. Easipanel also works to reduce UV fading.

Contact Westgate to find out more, T +44 (0)1785 242181
salessteam@westgateuk.co.uk
www.westgateuk.co.uk

Hazard 4D adds the humble bee knife to its range

U-packaging solutions provider, Hazard 4D, has added a new cartridge knife to its safety knife range.

The Bumblebee knife is designed to reduce warehouse injuries and minimise downtime by keeping workers safe whilst carrying the knife, using it and replacing it. The knife’s blade is enclosed within a cartridge meaning users never need to touch the blade, even when replacing it.

Ideal for opening boxes and sitting tape safety, the knife reduces the risk of hand injuries during the blade changing process. To replace the blade, users can simply switch the cartridge for another, with no need for a health and safety professional to do it for them. This speeds up the blade changing process and minimises downtime.

The Bumblebee knife is a safer alternative to using snap-off blade knives. The blade is fixed and never unnecessarily exposed as the spring-activated cartridge closes automatically after each cut. The guard can be locked when the knife isn’t in use so the blade can’t cause injuries in the user’s pocket.

T +44 (0)1132 361558
www.hazard4d.com

Loading bay canopy

Global-MSI, a leading canopy structures manufacturer with 50 years’ experience, has just completed another loading bay canopy for The Box Factory in Leamington Spa. The client required someone to design, supply and install the canopy to cover their cardboard loading operations at their factory. Due to the requirement for the new canopy to integrate with the existing building, they required an experienced designer/installer for the task. The brief was to ensure a fit for purpose design that complemented the existing building, while looking as if it was always meant to be there. The need for minimum disruption to the site operations and vehicle movements was a key driver for the client.

Global-MSI was able to provide the client with a full package, including Principal Designer and Principal Contractor duties, civils package and full structural design. The structure was designed and built in-house at the Global-MSI premises in Doncaster, then installed by its own erectors. The whole operation went ahead as per the programme with minimum disruption experienced on site. The client is already in discussion with Global-MSI to extend the new canopy further in phase 2.

T +44 (0)1132 361558
www.global-msi.com

Manufacture & supply of CANOPIES • CLADDING LOADING BAY STRUCTURES

Plastic Pallet Boxes

Call us now on 01334 417440
www.stepsandstillages.co.uk

HUNDREDS IN STOCK!!! Get in touch for the best price.

The town of Northampton is well-known for producing some of the best shoes in the world. Foster & Son has been creating shoes and boots for 175 years and are one of the oldest established custom shoe and bootmakers in the world. Each individual pair of shoes is made to the customer’s requirements by a team of skilled craftsmen and women, with no two pairs being exactly the same.

T +44 (0)1604 462187
www.stanai.co.uk

18 Industry Update is sponsored by Micheal Williams Engineering – see them on page 6
Union Industries race ahead for Xtrac

Union Industries is helping a growing Berkshire manufacturer to keep its new facility extension properly segregated.

Thatcham-based Xtrac, which specialises in the design and manufacture of advanced gearboxes for the top-level motorsport and high-performance automotive industries, required an effective solution to segregate various areas of its new extension.

Union Industries designed, manufactured and installed a Picador and two Static Fabric Industrial Partitions to create a 3-sided static enclosure, resulting in two isolated areas within Xtrac’s extended CNC Shot Peening and Mastra department. The new Fabric Partitions have enabled Xtrac to make the best possible use of space within the new extension to its facilities, creating new areas for material stores and shot peening equipment, in order to help prevent the cross migration of contaminant airborne particulate and help to maintain temperature control.

The Picador, which was originally created as a bespoke product for an existing customer is one of Union Industries’ smaller, lighter weight, fast acting doors and helps to maintain temperatures and reduce energy consumption in small internal applications. The door has a variable speed motor, inverter system inside the panel for controllability and is ideal for small internal doorways where regular access is required, but environmental conditions also need to be maintained.

Established in 1984, Xtrac has become recognised as the worldwide leader in the design and manufacture of transmission systems for a wide client base in the automotive industry.

Andrew Jackson, Senior Process Engineer at Xtrac said, “This is the second time we have worked with Union Industries and we have been impressed by the high level of quality and customer service we have received.

“The Picador and the Static Industrial Partition will enable us to divide the new extension efficiently. Our company operates 24-hours a day, so it is essential that we protect against cross-contamination and anything that could hinder our steady and streamlined operation. Thankfully, with Union Industries’ assistance, we can feel confident that we have the necessary fixtures in place to support and strengthen productivity.”

Henry Patterson, Technical Sales Engineer at Union Industries, added, “Like so many of our clients, Xtrac was a returning customer and we were more than happy to help the company find a solution to fit in with its recent extension, following the company’s strong period of growth.

“Xtrac wanted to recreate the success of last year’s installation and, with the addition of the Picador which enables the easy access and movement of staff, the company’s latest order will provide a long-term, cost-effective and safe solution to segregate the factory.”

Contact
T +44 (0)113 244 8393
enquiries@unionindustries.co.uk
www.unionindustries.co.uk

Flooring Company of the Month

Colourful satisfy your industrial flooring needs with Industry Update’s Flooring Company of the Month which has been Awarded to Respol Ltd.

Respol offers a vibrant touch to a seemingly mundane fraction of the industrial spectrum: flooring. Using a range of materials, Respol can accommodate a variety of commercial and industrial sectors, including heavy duty decorative systems, chemical, food and pharmaceutical spaces, and many more. Respol conducts all of their business in house with no aid from sub-contractors, which gives it a unique edge on its competition. From preparation to the actual installation of flooring Respol handles all of its own work, adding to the strength of the relationships it builds with its customers.

Respol was founded in 1984, and has accumulated over 30 years of knowledge in its respective field. Much of its success is attributed to the notable investment the company has made over the years into the flooring industry’s most imaginative Research and Development facility, establishing the company as one of the cornerstones of flooring innovation and methodology, and rendering the company unrivalled in the development of a range of off the shelf or formulated materials.

The company boasts a broad range of materials to work with and/or choose from. Seamless resin flooring can be applied to spaces within which resistant surfaces are required by adding aggregates like Aluminium Oxide or quartz to base resins and curing agents. Resin systems themselves come in a selection of colours, to bring life and character to the flooring. For those that require the use of sensitive electronic equipment, namely hospitals or laboratories, anti-static or ESD flooring is a common necessity, yet an easily achievable one with Respol. The application of additives results in the static dissipative or conductive floor, safeguarding an individual or object from electrostatic discharge or externally with RTU Car Park treatments and Resin Carpet Systems also available.

Respol’s list of clients is almost endless, this in itself is undeniably consequential of the quality of services and products it provides, but it’s not just the length of the list that impresses, it’s the content too. Not only can Respol’s floors be found in the usual demanding heavy engineering environments such as GKN Driveline, Yozanaki Machinery (Mazak), Bosch, Plastic Omnium and Mobis to name but a few, their floors can also be found supporting heavy stage and exhibition wear in the National Exhibition Centre, beneath Porsches and Aston Martins in various high-brow car showrooms, and even stretching to somewhat more obscure locations such as the London Aquarium and the National Cycling Centre. Of course the list proceeds to go on as a true testament to quite how flexible and functional Respol can be.

The company’s reputation is flawless, with clients describing the work as efficient and almost mess free, the latter being of some surprise given the nature of the work. In many cases some would argue that a speedy job is often a rushed one, but Respol disputes this in their action. Despite the haste with which Respol conducts its business, the quality of its services and products do not suffer. The company has managed to maintain a balance of efficiency, customer satisfaction and ethics, placing it above the canopy of its competition.

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

Contact
T +44 (0)1952 740400
jackie@respol.co.uk
www.respol.co.uk

Holding weight

Colourful satisfy your industrial flooring needs with Industry Update’s Flooring Company of the Month which has been Awarded to Respol Ltd.

Respol offers a vibrant touch to a seemingly mundane fraction of the industrial spectrum: flooring. Using a range of materials, Respol can accommodate a variety of commercial and industrial sectors, including heavy duty decorative systems, chemical, food and pharmaceutical spaces, and many more. Respol conducts all of their business in house with no aid from sub-contractors, which gives it a unique edge on its competition. From preparation to the actual installation of flooring Respol handles all of its own work, adding to the strength of the relationships it builds with its customers.

Respol was founded in 1984, and has accumulated over 30 years of knowledge in its respective field. Much of its success is attributed to the notable investment the company has made over the years into the flooring industry’s most imaginative Research and Development facility, establishing the company as one of the cornerstones of flooring innovation and methodology, and rendering the company unrivalled in the development of a range of off the shelf or formulated materials.

The company boasts a broad range of materials to work with and/or choose from. Seamless resin flooring can be applied to spaces within which resistant surfaces are required by adding aggregates like Aluminium Oxide or quartz to base resins and curing agents. Resin systems themselves come in a selection of colours, to bring life and character to the flooring. For those that require the use of sensitive electronic equipment, namely hospitals or laboratories, anti-static or ESD flooring is a common necessity, yet an easily achievable one with Respol. The application of additives results in the static dissipative or conductive floor, safeguarding an individual or object from electrostatic discharge or externally with RTU Car Park treatments and Resin Carpet Systems also available.

Respol’s list of clients is almost endless, this in itself is undeniably consequential of the quality of services and products it provides, but it’s not just the length of the list that impresses, it’s the content too. Not only can Respol’s floors be found in the usual demanding heavy engineering environments such as GKN Driveline, Yozanaki Machinery (Mazak), Bosch, Plastic Omnium and Mobis to name but a few, their floors can also be found supporting heavy stage and exhibition wear in the National Exhibition Centre, beneath Porsches and Aston Martins in various high-brow car showrooms, and even stretching to somewhat more obscure locations such as the London Aquarium and the National Cycling Centre. Of course the list proceeds to go on as a true testament to quite how flexible and functional Respol can be.

The company’s reputation is flawless, with clients describing the work as efficient and almost mess free, the latter being of some surprise given the nature of the work. In many cases some would argue that a speedy job is often a rushed one, but Respol disputes this in their action. Despite the haste with which Respol conducts its business, the quality of its services and products do not suffer. The company has managed to maintain a balance of efficiency, customer satisfaction and ethics, placing it above the canopy of its competition.

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

Contact
T +44 (0)1952 740400
jackie@respol.co.uk
www.respol.co.uk

Industry Update is sponsored by Pyon Products – see them on page 15
Steps and Stillages: Industry leading levels of quality & customer service

From their substantial, modern manufacturing site in Kettering, Northamptonshire, Steps and Stillages are involved in the design, development and manufacture of a wide range of high-calibre, cost-effective products suitable for a vast array of applications in a great many different industries. Namely, Steps and Stillages manufacture all types of roll pallets and roll cages, warehouse mobile safety steps, stillages and cage pallets. The experienced firm is also involved in the design and manufacture of post pallets, plastic pallet boxes, mobile plastic bins, warehouse trolleys, and load retention equipment.

Steps and Stillages is a family-run company, a fact which is reflected in how the company conduct operations on both a micro and macro level. There is a strong emphasis placed on doing right by the customer by any means, thus upholding the stellar reputation acquired by the company over the past 35 years. As the company is family run and well-endowed with impressive experience and knowledge of the industry, the team at Steps and Stillages are very well placed to choose the ideal sites in Europe to manufacture some of their products in order to strengthen their product range.

In conjunction with the range of products manufactured and distributed by Steps and Stillages, the company offer a great many more services, too. If by chance a customer cannot find the desired product among the specialist’s array of products, Steps and Stillages are able to help yet still.

A consultation can be arranged between one of the firm’s skilled engineers and the customer in order to discuss and evaluate the customer’s needs and working environment. It can then be decided whether it is necessary to design and manufacture an entirely new and bespoke product for the customer – whether that be a roll cage or set of steps – or to simply modify an existing product to meet the customer’s specifications and requirements.

As a part of the company’s fully comprehensive range of services, Steps and Stillages further offer a repair service for broken or damaged steps, roll cages, roll pallets, and cage pallets. Companies may find this an ideal solution if they want to gain maximum value out of their given items and avoid the potentially unnecessary cost of buying brand new roll cages, for instance. Steps and Stillages can either conduct repairs on their own site in Kettering – ideally located in the Midlands and with fantastic rail, road and air transport links – or alternatively can travel to the customer with their mobile repair service, saving the customer time.

One needs only to take a look at some of the blue chip companies Steps and Stillages have worked with to gain an understanding of just how trusted they are in their field. With clients ranging from Amazon, B&Q, DHL, Marks & Spencer; Wickes, Travis Perkins, Tesco, and Ocado, Steps and Stillages are more than capable of dealing with the largest and most important contracts. This impressive range of clients further serves to highlight the levels of quality involved in Steps and Stillages’ manufacturing. Priding themselves on unsurpassed levels of workmanship, clean welds, smooth running wheels, and consistently thick coatings of protective coating, Steps and Stillages’ solutions are both cost-effective and of the highest quality. While the Midlands based outfit are well equipped to deal with these large orders, however, they are also able to complete much smaller orders and deal with smaller clients.

I had the pleasure of speaking to Steps and Stillages’ Director, Graham Reid, and asked him how he felt about winning our Industrial Storage Solutions Company of the Year Award. “I am very proud to be selected for this award. It never ceases to amaze me how often and quickly things change in business. When my father started up over 30 years ago, we just made roll cages and shopping trolleys. Now all these things are predominantly made in the Far East, it has been crucial for us to continuously change to reflect the ever changing business environment. We now manufacture bespoke and customized products to exactly suit customer requirements, who knows what we will be making 10 years’ time?”

Lastly, I asked Graham how the company had fared over the past 12 months, “The past year has been a very busy period. Our manufacturing of stillages and mobile steps has been as busy as ever. In addition we have launched two additional divisions covering spill containment and gas cylinder handling. As our core product range of warehouse materials handling products continues to grow and evolve, creating two new divisions made sense to allow each category to specialise and develop separately.” These two new divisions are S&S Spill Control and S&S Gas Cages, with the former covering the full spectrum of containment sumps and bunds, while the latter mainly covers gas cylinder cages.

To view Steps and Stillages’ extensive product range and find out how your business can benefit, visit the website or get in contact using the details below.

Contact
T +44 (0)1536 417 440
sales@stepsandstillages.co.uk
www.stepsandstillages.co.uk
The key to your own bespoke metal engineering space

At Dudley Industries, we are renowned for high quality sheet metal engineering and partnering with businesses across different sectors – from construction fit-out to instrumentation.

Our skilled team understand the high degree of crossover between design and manufacturing functions that makes a project work to quality standards, timescales and budgets. This multi-disciplinary approach enables us to take products from concept to full production seamlessly.

We are proud to be led by the principles of 5S and the ongoing commitment to our duty of care of our colleagues by investing in innovative technology such as those implemented under European regulations.

Our down-to-earth approach, doing what we say we do in a straightforward and uncomplicated way. Our skilled team understand the high degree of crossover between design and manufacturing functions that makes a project work to quality standards, timescales and budgets. This multi-disciplinary approach enables us to take products from concept to full production seamlessly.

We are proud to be led by the principles of 5S and the ongoing commitment to our duty of care of our colleagues by investing in innovative technology such as those implemented under European regulations.

Our down-to-earth approach, doing what we say we do in a straightforward and uncomplicated way.

The breadth of documentation to evidence the quality management systems in place

The design and navigation of the training matrix in use

Flexible mop frame for curved surfaces

Vikan, a global leader in industrial cleaning tools and systems, has announced a new, improved version of its Easy Shine Kit for cleaning high-gloss flat, and now curved, surfaces.

The improvement was made possible by replacing the 25cm mop frame in the original Easy Shine Kit with one made from flexible plastic. This adds curved revolving doors, bathtubs, Jacuzzi plastic seats and vehicle windows to a long list of flat surfaces the Easy Shine Kit tackles effectively.

Contact
T +44 (0)1215 783911
sales@dudleyindustries.com
www.dudleyindustries.com

Vikan, a global leader in industrial cleaning tools and systems, has announced a new, improved version of its Easy Shine Kit for cleaning high-gloss flat, and now curved, surfaces.

The improvement was made possible by replacing the 25cm mop frame in the original Easy Shine Kit with one made from flexible plastic. This adds curved revolving doors, bathtubs, Jacuzzi plastic seats and vehicle windows to a long list of flat surfaces the Easy Shine Kit tackles effectively.

Contact
T +44 (0)1215 783911
sales@dudleyindustries.com
www.dudleyindustries.com

Environmental friendly removal of graffiti

Large cities pay up to one million euros a year to have graffiti removed from public areas. And it is estimated that this costs smaller cities up to 200,000 euros a year at least.

Municipal decision-makers, service providers and employees of housing associations are looking for an easy, reliable, gentle yet environmentally-friendly method of removing unwanted graffiti.

With its Tornado ACS, the company systeco offers an integrated, all-in-one solution based on the vacuum-blasting method.

The unit uses a blasting agent specially selected for each surface which is applied to the area to be cleaned. The paint particles are removed from the substrate and separated from the abrasive by a filter. The abrasive can then be used on the surface again to remove the paint. The Tornado ACS is a closed system. No paint residues or solvent get into the waste water, so that there is less harm to the environment. No equipment for collecting paint residues is required.

Contact
T +44 (0)20 7978 7676
info@sys-teco.de
www.sys-teco.com

Clarens’s Sterile is also manufactured to GMP standards with full batch traceability and has been tested against relevant microbiological standards.

Diversa’s Countertop Detergent Selection Programme (CDSP) provides for efficient protocol and chemical selection. The programme is designed to select the best detergent for each soil under specified conditions. It removes complexity from the detergent selection process and allows customers to access Diversa’s extensive knowledge, experience and expertise to develop tailored hygiene programmes specific to the product and facility. This ensures the most efficient solution to clean a specific soil, accelerating pharmaceutical standard operating procedures and efficiency, while reducing waste volume and cost as well as contributing to brand building.

Contact
T +44 (0)20 7079 7676

Flexible mop frame for curved surfaces

Vikan, a global leader in industrial cleaning tools and systems, has announced a new, improved version of its Easy Shine Kit for cleaning high-gloss flat, and now curved, surfaces.

The improvement was made possible by replacing the 25cm mop frame in the original Easy Shine Kit with one made from flexible plastic. This adds curved revolving doors, bathtubs, Jacuzzi plastic seats and vehicle windows to a long list of flat surfaces the Easy Shine Kit tackles effectively.

Contact
T +44 (0)1215 783911
sales@dudleyindustries.com
www.dudleyindustries.com

Environmental friendly removal of graffiti

Large cities pay up to one million euros a year to have graffiti removed from public areas. And it is estimated that this costs smaller cities up to 200,000 euros a year at least.

Municipal decision-makers, service providers and employees of housing associations are looking for an easy, reliable, gentle yet environmentally-friendly method of removing unwanted graffiti.

With its Tornado ACS, the company systeco offers an integrated, all-in-one solution based on the vacuum-blasting method.

The unit uses a blasting agent specially selected for each surface which is applied to the area to be cleaned. The paint particles are removed from the substrate and separated from the abrasive by a filter. The abrasive can then be used on the surface again to remove the paint. The Tornado ACS is a closed system. No paint residues or solvent get into the waste water, so that there is less harm to the environment. No equipment for collecting paint residues is required.

Contact
T +44 (0)20 7978 7676
info@sys-teco.de
www.sys-teco.com

Clarens’s Sterile is also manufactured to GMP standards with full batch traceability and has been tested against relevant microbiological standards.

Diversa’s Countertop Detergent Selection Programme (CDSP) provides for efficient protocol and chemical selection. The programme is designed to select the best detergent for each soil under specified conditions. It removes complexity from the detergent selection process and allows customers to access Diversa’s extensive knowledge, experience and expertise to develop tailored hygiene programmes specific to the product and facility. This ensures the most efficient solution to clean a specific soil, accelerating pharmaceutical standard operating procedures and efficiency, while reducing waste volume and cost as well as contributing to brand building.

Contact
T +44 (0)20 7079 7676

The key to your own bespoke metal engineering space

At Dudley Industries, we are renowned for high quality sheet metal engineering and partnering with businesses across different sectors – from construction fit-out to instrumentation.

Our skilled team understand the high degree of crossover between design and manufacturing functions that makes a project work to quality standards, timescales and budgets. This multi-disciplinary approach enables us to take products from concept to full production seamlessly.

We are proud to be led by the principles of 5S and the ongoing commitment to our duty of care of our colleagues by investing in innovative technology such as those implemented under European regulations.

Our down-to-earth approach, doing what we say we do in a straightforward and uncomplicated way.

The breadth of documentation to evidence the quality management systems in place.

The design and navigation of the training matrix in use.
Hydraulics meets electronics

Industry Update is proud to announce that W.E.St. Elektronik has been chosen as our Electronic Modules Company of the Month, for their success in producing a wide range of Analog and digital power amplifiers, positioning modules, pressure and pump control modules.

Established in 1999 by Ulrich Walter who to this day is still CEO, W.E.St. Elektronik is a German based specialist electronic modules developer and distributor, producing electronic modules for all proportionally controlled hydraulic applications. Offering an extensive product line for all typical applications, W.E.St. Elektronik holds a variety of electronic module solutions, including simple power amplifiers, p/r regulated press control systems and multi-axis closed loop synchronisation control systems. The company is known for their custom development, with many of their well-known clients equipping their products with brand labels. The company produces technologically optimised solutions to various mechanical needs that are founded on years of experience in working within the hydraulics field, and have been developed by a consistent dedication to listening to the customer and striving to improve on existing products and develop new ones.

W.E.St. Elektronik stands above their contemporaries in the level of quality that their products and service adhere to, boasting notably short delivery times and speedy assistance, without the usual constraints of red tape, aiding in making the company the perfect point of call in cases of emergency. The company boasts a lengthy product range, divided into six categories: analogue and digital power amplifiers, positioning modules, pressure controlling, synchronization modules, control systems and fieldbus connections. The W.E.St. Elektronik product designs are aimed at addressing universal applications as opposed to simply one specific model, as well as mobile and marine applications.

Beyond simply offering products, W.E.St. Elektronik also provides a series of services designed to ease the manufacturing and distribution process and work to any level of specificity the customer may require. The company can develop custom electronics tailored to the needs and the requirements of a customer, aid in production planning of electronics and production, provide calculation and simulation of hydraulic systems and offer training of both standard products as well as additional training for specialist equipment. Other services include system planning, circuitry and layout design, prototypes, software design, preparation for serial production and serial production itself.

The company has recently introduced a power plug with an IO link interface, the first product of its kind and a sure innovator in its field, the PAM-190-P-IO. The device can control proportional valves with just one solenoid, and comes mounted in an inexpensive IP 65 housing. The output current is closed loop controlled, rendering the voltage supply and solenoid resistance independent. The PAM-190-P-IO is designed to communicate digitally via an IO link, and with its interface diagnostics and parameterization are wholly realised in one single machine.

W.E.St. Elektronik is currently working on expanding its product line to offer more fieldbus possibilities, which would ultimately contribute to more energy efficient machinery, and advanced diagnostics. The company regularly attends the Hanover Fair, where links and networks can be produced effectively in order to sustain the efficient expansion of the company. With the introduction of new products, and a persistent level of quality of service exceeding expectation and what can be expected, W.E.St. Elektronik are unwavering in their commitment to their customers.

T 0049 2163 577 3550 uta.wiell@w-e-st.de
www.w-e-st.de

Classifieds

Pumps

Verderflex Vantage 5000
The Next Generation Pesticidal Pump with Variable-Torque Design
For more information: www.verderflex.com/nxtgeninfo

Verderflex

Handmade Soaps

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

Deep Hole Drilling Systems

UNISIG Deep Hole Drilling Systems Machines + Tools + Automation
T 07125 9887590
info@unisig.de
www.unisig.com

Concrete

ADfiL Reinforced Concrete Reinvented
- Maximum Performance - Traditionally Critical Points
- Epoxy Bond - Improved Adhesion

T 01684 295782
www.trojanbins.com

Waste Management

NEW 100% Recyclable Wood Effect Collection
British made, these are certified using recycled pressed wood raw materials, 10 year guarantee

Call 01684 295782
www.trojanbins.com

Car Maintenance

MARKET LEADING GEN-3 GLASSCOAT
LIQUID GLASS HARDENED CERAMIC
VEHICLE PROTECTION

Please visit www.gen-3glasscoat.com
01753 215311 | admin@gen-3glasscoat.com

Labels

“Quite Simply… Labels”
www.data-mark.com

E-mail us at: sales@data-mark.com
Call us on: +44(0) 1684 295782 | 08000 9887590 | data-mark.com
RODAR Ltd is a UK based manufacturer of very High Precision, Force Balanced, Single and Dual Axis Inclinometers.

T +44 (0)1925 596170 • Mobile: 07838 138342
WhatsApp: 07838 138342 • Email: info@dtlmachinery.co.uk • Web: www.dtlmachinery.co.uk

Environmental Friendly Battery Recycling

Aurelius Environmental

T 0121 369 9960 • www.AEL.global

Classifieds

Soldering Systems

Converting Equipment

Industrial Heating Elements

Laser Cutting

Monitoring Systems

Fuel Services

Telemetry & Control

Battery Recycling

Dual Pumps

Sensors & Instrumentation

Packaging

Inclinometers

Surface Technologies
Shot peening is a cost-effective method to help prevent:
- Metal fatigue
- Pitting/Fretting

Engineered coatings help with:
- High lubricity/low friction
- Anti-corrosion
- High release/anti-stick
- Low noise/anti-squeak

C.A.S.E.™ super finishing is used to:
- Increase gearbox efficiency
- Reduce surface/contact fatigue
- Decrease lubricant temperature
- Reduce transmission noise