Fieldpiece Instruments’ wireless clamp meters

Fieldpiece Instruments, the only company solely dedicated to creating tools and test instruments for HVACR professionals, introduces two new wireless power clamp meters that work with the Fieldpiece Job Link® System App for on-the-go testing and reporting. The SC480 and SC680 meet the rigorous demands of the HVAC professional in the field for HVAC/R electrical tests.

HVACR professionals are dealing with time constraints in getting their jobs completed in a suitable manner, while having the accurate measurements they need. These new clamp meters utilizing the Job Link® System offer advanced solutions for HVAC electrical tests that can be customised for the jobs they are working on. While working on-the-go, technicians must get the correct data to make informed decisions about the service they are providing in a timely manner, including measuring power in kilowatts to help determine how efficiently a system is running. With the electrical measurements documented, technicians can recommend cost savings actions to the customer. The Fieldpiece Job Link app makes the job easier, faster, better.

With the mini-split market continuing to grow, these new meters are perfect for professionals may encounter when levels of transient overvoltage HVACR systems.

Because these new meters are CAT IV rated at 600 Volts they cover the higher circuitry and a low pass filter provides accuracy measurements, while having the constraints in getting their working on utility service equipment.

For more information about the new clamp meters, please visit: www.fieldpiece.com

Bruni Erben

Bruni Erben, selected as one of our top exhibitors at Packaging Innovations, is a leading supplier of glass, closures & machinery for the spirits, beverage, food, pharmaceutical and home fragrance markets. Founded in 1951, the company has developed a global network today offers an extensive catalogue of stock items, a design team which delivers world-class expertise to yield extraordinary results on bespoke products, and industry-leading technical support.

Bruni Erben also elevates its packaging-buying experience even further with The Bottle Air Store online platform. The extensive e-commerce store offers glass packaging & closures with a rapid turn-around on single units to full pallets – with hundreds of popular packaging options, competitively priced, in-stock and ready to ship.

With a growing inventory of premium glass, a wide variety of closure options including corks, heat shrink capsules, wax & sparkling wine accessories and complementary oenological & machinery products, The Bottle Air Store is fast becoming the one-stop shop for small to medium producers & start-ups looking for convenience, quality. Beyond our full array of products, Bruni Erben – in partnership with Bruni Glass and Berlin Packaging – offers many services designed to streamline your supply chain, boost your profits and enhance your brand recognition.

T +44 (0)1473 823011
Mail@BruniErben.co.uk
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Huge range of roll cradles now held in UK

HenryAR, the European trading arm of US company Henry Molded Products, now offers large stocks of Stakker roll cradles in a range of more than 40 sizes within the UK for immediate distribution throughout Europe.

The cradles provide producers, converters and distributors of rolls of fabrics, papers and films with a safe & economical system for horizontal stacking on pallets, saving on production, warehouse and distribution costs. Custom moulded packaging in paper fibre is increasingly replacing less environmentally acceptable materials. Henry AR is able to mould large format, heavy duty, deeper sections and its products are recyclable. It has its own design studio, mould making shop, dry run development and production process under one roof.

Contact
T +44 (0)1572 490644
Mail@BruniErben.co.uk
www.BruniErben.co.uk

Interactive safety products to better protect workers

CableTrail’s core business has always been in the effective management of cables on sites as diverse as a building site to a nuclear submarine base. Boxing and ‘Z’ Hooks for the simplest cable management solution or a more managed product such as the Cable Trains and the outdoor Cable Protection systems capable of withstanding a 40 Ton Arctic passing over them.

Many of the more recent products added have come about by customer request, which is where the ethos of CableTrail lies – providing solutions to specific onsite problems. Our most recent innovations are talking signs that can have the message and signage change in minutes and bump protection incorporating LED lighting, both of which can be activated by motion detectors or door contacts.

With the current climate being one of the most challenging any of us have seen, we are again starting to feel positive about the future and look forward to working with industry sectors like construction to ensure a smooth and safe return-to-business.

T 01442 811610
office@cabletrail.co.uk
www.cabletrail.co.uk
Industry Update is proud to announce that Variohm EuroSensor has been selected as our Custom Sensor Solutions Company of the Month, for its leading range of reliable sensors which are solving measurement challenges across the world.

Variohm EuroSensor was set up in 2002 as a combination of two well established companies, EuroSensor and Variohm Components, both of which had decades of experience in the sensor industry. This collaboration brought together the strengths and characteristics of both companies in order to offer a truly unrivalled range of products.

Part of the group Variohm Holdings, which is owned by a bigger group discoverIE, Variohm EuroSensor is joined by a close working group of companies, whose range of products and services complement each other and work in great autonomy. As well as Variohm EuroSensor, this group includes Ixthus Instrumentation, Heason Technology, Herga Technology, and Positek.

Sourcing products from either its extensive range of stock products, in-house production facility, or the world’s leading sensor manufactures, Variohm EuroSensor strives towards its goal to ensure the correct sensor is supplied for each of its customers’ applications.

What’s more, the company has the capabilities to design, manufacture and modify sensors to be able to fit them to exact customer requirements, aiming to deliver a fully customised solution 8 weeks from receipt of order.

Variohm EuroSensor’s expert engineering department devotes time to designing and building new products, based on customer feedback and the latest industry trends. The products that are being designed have customisable features, meaning they can work within applications with different fitment requirements.

One of Variohm EuroSensor’s latest developments is its Custom Micro Rotary (CRMx) range, including the CMRK, CMRS and CMRT. The sensors in this range boast a long life, puck/magnet design, shafted design, flange mountings, thread mountings, IP68 protection, customisable housings, and redundant output signals.

In September 2019, Variohm EuroSensor’s outstanding products and services were recognised at the Northamptonshire Chamber Business Awards, where the company not only won Export Business of the Year, but also the coveted Business of the Year award. These achievements are sure to continue in the coming years, as Variohm EuroSensor builds on its decades of success and market leading offering.

If you would like to find out more information on everything Variohm EuroSensor has to offer, head to the website or get in touch using the contact details below.

T: +44 (0)1327 351004
sales@variohm.com
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Editor Recommends

Your complete solution in electronic component sourcing

Rhopoint Sourcing, part of the wider Rhopoint Group, works with a range of distributors to secure genuine electronic components. Thanks to its extensive supply network across the EU, USA and Asia, Rhopoint Sourcing ensures it uses trusted sources to supply parts to sectors such as aerospace, transportation, medical and industrial electronics.

Although established in 2010, the company’s sourcing experts have over 40 years’ combined experience, ensuring every supplier conforms to its high-quality standards to offer the most trustworthy components available.

Specialising in passive, active, and electrochemical components, Rhopoint Sourcing uses a diverse range of sources to meet customer demand. These range from franchised distributors, independent stocking distributors and manufacturers, to having access to its OEMs and EEMs excess stock holdings.

In addition to its global sourcing service, Rhopoint Sourcing also offer a reliable scheduled ordering service to meet clients’ demands when they are required. The company can also provide excess inventory management options for any old and unwanted stock, as well as vendor consolidation services.

All these services combined make Rhopoint Sourcing your complete solution in electronic component sourcing. For more information, head to our website or get in touch using the details below.

+44 (0)1342 330495
findit@rhopointsourcing.com
www.rhopointsourcing.com

Top quality brands for HVAC contractors

Evomart is a specialist air-conditioning and refrigeration parts and tools distributor, committed to sourcing top-quality brands for HVAC contractors. This includes leading brands such as CPS, Dry All, Blackmax, Trumaxx, as well as being partnered with Fujitsu AC and Siccom Pumps.

With a mission to empower all skilled workers with the necessary tools, equipment and knowledge they need, Evomart’s distribution service ensures its customers can run efficiently, reducing unnecessary downtime so they can focus on the job in hand.

What’s more, Evomart rewards its customers for their loyalty with incentives such as points, giveaways and coupons, as well as offering a VIP membership for extra discounts and rewards.

To complement this, Evomart created its COOLtube page, where people can register to gain access to a wealth of resources on new innovations, solutions, products, training, and all technical aspects of the industry.

This resource was recently made available to all HVAC enthusiasts during the COVID-19 lockdown, meaning there was no need to register to gain access to valuable articles, tips and tricks to help engineers improve their service.

To find out more information on everything Evomart offers, head to the website or get in touch directly using the contact details below.

0330 135 9922
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Deep-Hole drilling automation is more than part load/unload

Automation inside deep-hole drilling machines can be more valuable than part handling outside of them. For deep-hole drilling, part-handling might be the most visible automation element, but it’s not necessarily the most impactful. Often, it’s internal process automation that yields the most significant results even with a manually loaded drilling machine.

When it comes to automating deep-hole drilling, there are challenges unique to the process itself. These include fixturing complexities – where maintaining alignment requires elements such as guide bushings and tool supports not present in a conventional lathe or milling machine – and part attributes such as length and weight.

Long parts mean a long drilling cycle time, and maintaining production rates often requires multi-spindle, deep-hole drilling systems. Unfortunately, stopping a two- or four-spindle machine means two or four spindles sit idle until the parts are loaded and unloaded. So, in these instances, the more parts in the machine at one time, the more automation can actually inhibit cycle time while the machine is running.

Solving this problem in multi-spindle machines requires internal automation to achieve the objectives of lean manufacturing and one-piece flow. In-machine loaders singulate processes so that even within a small four-piece batch you maintain one-piece flow. The operator or automation device puts in a part and takes a part out, and the machine does a bit of manoeuvring inside to sequence those four parts in such a way as to minimise spindle downtime while maintaining upstream and downstream processes for one-piece flow. For instance, parts could be loaded onto a smart conveyor, indexed, and lifted into chucks for the drilling cycle before robotic unloading on the out-feed side so that there are no bottlenecks to a steady production flow.

Tool life management is another form of internal automation. Getting feedback to the machine enables the deep-hole drilling process to adapt or halt, if necessary, before tools and parts are damaged.

Tool life management is built into a machine’s control, and the machine senses torque thrust and coolant. Chip condition is usually the first indicator of wear, which would otherwise require an operator present to detect, so the machine actually monitors the process and can predict tools starting to wear and identify when they need to be changed. A tool life management system also can count distances drilled and the number of cycles, then prompt a tool change at the appropriate time.

That kind of in-machine automation smooths the path for external automation. As the process builds, highly standardised options for robot-ready machines such as an automatic door, workpiece-present sensors and programmable workpiece fixturing makes it easier to add a robot at a later date. These robot-ready machines also create efficiencies before they’re fully automated. Even with manual loading, the automatic doors and programmable clamping make the process more efficient.

In UNISIG’s experience, an embedded reamer tool changer enables manufacturers to manage significant throughput increases, even with an operator. With this technology, operators can maintain the pace of production loading the machine, while eliminating the task of inserting reaming tools for each cycle. This allows the operator to redirect efforts towards tasks such as additional quality checks and off-machine setups.

Contact www.unisig.com
Industry Update is proud to announce that Rochester Electronics has been selected as our Semiconductor Company of the Month.

For over 35 years, Rochester Electronics has provided a continuous source of critical semiconductors, in partnership with over 70 leading semiconductor manufacturers. Founded in 1981 by Mr Curt Gerrish, Rochester Electronics is headquartered in Massachusetts, USA, with facilities in every major market around the globe including the UK, Germany, China, Japan, and Singapore. Today, Curt remains as the CEO and works closely with his sons Chris and Paul Gerrish who, as co- Presidents, lead this dynamic, growing global business.

Informed by decades of expertise and industry knowledge, the Rochester Semiconductor Lifecycle Solution™ offers the world’s largest range of semiconductors with over 15 billion finished devices in stock. This is combined with extensive manufacturing capabilities from the world’s largest die bank at over 12 billion.

As the company continues to evolve, its growing product and service portfolio provides an authorised source for customers around the world, either directly, in partnership with Rochester Electronics’ authorised distribution network, or through leading edge e-commerce platforms.

Not only is Rochester Electronics an original stock distributor, the company also manufactures semiconductor devices. “We are licensed to manufacture devices no longer produced by the original component manufacturer,” explained Stephen Morris (pictured above), General Manager, EMEA, Rochester Electronics. “We can also replicate select devices avoiding redesign with form, fit and functional replacement without the need to modify software or hardware.”

This means Rochester Electronics can provide a continuous supply of active components to solve supply chain disruption, and end of life semiconductors to meet long-term customer needs. All of these products are fully traceable, certified and guaranteed.

This consistent supply of stock means that Rochester Electronics’ customers can quickly identify and obtain products risk free, something which is essential during component shortages or long lead times. With over 10 billion of its in-stock devices classed as EOL by the original component manufacturer, Rochester Electronics provides a continuous supply for customer’s applications where the product lifecycle extends beyond the active availability of a device.

For example, Rochester Electronics can manufacture Intel 186/188/486DX4/186 processor ranges; Analog Devices DSP & TigerSHARC DSPs; Texas Instruments DSPs; TM320C30/31/32/40/50; IBM’s PowerPC PPC750 CPUs and many others. “We concentrate on maintaining availability of the key heartbeats components at the centre of our customers’ designs. Hardware and software performance are guaranteed to be identical and therefore costly redesigns and requalifications can be avoided.”

In addition to these outstanding supply capabilities, Rochester Electronics is committed to the highest levels of quality. Semiconductors are the core of electronic systems used in high reliability markets, such as industrial, transportation, military, medical, energy, civil aviation, automotive and telecommunications. This means that counterfeit and substandard products introduce significant risks to the health, safety, and security of people around the world.

To help combat this, in 2006 Rochester Electronics launched a comprehensive anti-counterfeiting awareness campaign with its OCM partners to expose counterfeit and substandard products in the supply chain. Rochester Electronics hosted a symposium with its OCM partners to raise awareness of this critical risk, and it was attended by representatives from the company’s customer base, industry experts, and government officials.

Rochester Electronics then initiated the formation of the Semiconductor Industry Association’s (SIA) Anti-Counterfeiting Task Force (ACTF) and is an active participant. Through this, the company promotes best procurement practices, combating counterfeit and substandard products by working collaboratively with Customers and Border Protection, DoJ and other legal entities.

Over the last three decades, Rochester Electronics has expanded its operations globally, and opened its newest sales office in Chengdu, China, earlier this year. Continuing with its efforts to strengthen its presence in the EMEA region, Rochester Electronics has recently appointed a native Regional Sales Manager in France to support its customers in southern Europe. Through this development, Rochester Electronics will continue to offer the high quality business solutions its customers have come to expect.

In line with this sustained growth and commitment to excellent customer service, Rochester Electronics is continuing to develop its product and service portfolio. Recently, the company partnered with Integrated Silicon Solution Inc. (ISSI), broadening the company’s global offering in DRAM, NAND, and NOR Flash Memories.

Although the trade show calendar has been disrupted significantly this year, Rochester Electronics is usually a regular feature at Electronica, the world’s leading trade fair and conference for electronics held every two years in Munich, Germany. Later this year, the company will be exhibiting at the Evertiq expo in Warsaw in December, and next year will be at the Electronic Component Show in the UK.

If you would like to find out how you can benefit from the world’s largest continuous source of semiconductors, head to the website or get in touch using the contact details below.

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emeasales@rocelec.com
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Process control in grinding technology

A well-balanced grinding wheel means a reduction in machine spindle vibration, bringing a multitude of benefits, including extended spindle, bearing, wheel and dresser life, improved part geometry and surface finish. The ACCRETECH SBS Dynamic Balance System constantly monitors spindle vibration and automatically compensates for unbalance in the grinding wheel, working to pre-set vibration tolerances. The Dynamic Balance System can be incorporated by an OEM into a new grinding machine, or easily retrofitted to an existing machine by a grinding machine end user.

The ExactControl™ system can accept up to eight acoustic emission sensor inputs using expansion modules; it can monitor two of these synchronously. For complex processes, multiple channels can be started independently. Acoustic emission sensors reduce air grind time ACCRETECH SBS will also display acoustic emission sensor options, including rotary in spindle, ring, and bolt-on types for different grinding and dressing applications. All ACCRETECH SBS acoustic emission sensors are designed to offer maximum sensitivity while surviving in the hostile wet zone environment of a production grinding machine. The acoustic emission sensors can be combined with either the ExactControl™ process control system or with a dedicated ACCRETECH SBS acoustic emission monitoring system called AKSTM.

In-line measuring devices reveal the smallest defects in real-time ACCRETECH SBS will also show an in-process measuring head dedicated for outside diameter (MOD gauge) as well as the in-process measuring head for internal diameter. The showpiece for ID measurement will be the Pulcom V4 controller running Gamma 3 measurement heads with its unique Flex Finger. “The advantage is obvious: the flexible contact finger reduces setup changing time from three minutes to one minute. This enables also users who are reluctant to perform gauge setup to use the unit,” says Janis Kudett, Regional Director Eastern Europe at ACCRETECH.

With the growing use of HSK and CAPTO type automatic tool changers on grinding machines, the ATC run-out detection system can monitor for abnormal run-out of a workspace and triggers the machine stop function before any processing defects occur. The ATC run-out detection system is designed for harsh production environments in machine tools. The sensor is coolant resistant, operates in a temperature window of 0 to 40°C, and has a vibration resistance of maximum 3.66G in the X-, Y- and Z-axis.

Introducing the Twister 80 Basket Parts Washer

The new Teknox Twister is an ideal washing system for spray washing multiple small components contained in a preloaded detachable stainless-steel basket. The Twister uses water and a cleaning detergent that is controllable up to 80°C, the water is recycled within the system.

The basket is slowly rotated during washing under the spray jets to remove machining oils. After washing an oil skimmer can be operated to remove the waste oil that floats on the surface of the water and then collected in a waste oil container next to the machine. The parts can also be rinsed with water to remove any residue from the cleaning solution and a drying system of compressed air or heated drying can also be fitted.

We manufacture all our parts washers in AISI 304 stainless-steel and can adapt our washing systems to reduce your cleaning process and handling times. For further information please drop us an e-mail below or visit our web site. We also have a YouTube video library to see our other cleaning processes at: www.youtube.com/user/TEKNOXTALY

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http://hes.hirtenberger.com
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Surface Finishing & Grinding Update

Industry Update is sponsored by Rochester Electronics – see them on page 5
New in-line seal inspection solution for rigid packages

Industry Update is proud to announce that Engilico has received our Packaging Solutions Company of the Year award. "We are very honored to receive this award," said Peter Nijs, CTO. "We are proud we can stand out by our innovative solutions that are engineered and developed by listening to the requirements and needs of our customers. We would like to thank all our customers, partners and employees for their continued support."

Offering industry-leading systems to inspect and monitor sealing processes, Engilico has expanded considerably during the last year, nearly doubling the number of employees in sales, marketing and application roles for its seal inspection product lines. Moreover, to better serve its American customers, Engilico established a new office in the US, and now has over 150 installations at top international companies.

Until now, Engilico has been focused on in-line seal inspection of flexible packaging, such as pouches, YFFS bags and flow wraps. This is achieved with the SealScope™ seal inspection solution, which detects leaking or open packages using mechanical sensors that are attached to the sealing bars that close the package.

The SealScope™ system provides full feedback on the seal inspection and reveals deviating trends in the packaging process.

The HyperScope™ system provides much higher contrast than vision cameras allowing it to reveal contamination (red) in the seal, even for printed films.

The new HyperScope™ system uses hyperspectral imaging technology to detect contamination in the sealing area of rigid packages.

This solution has helped companies throughout the world to improve the quality of their packaging, and SealScope™ often receives glowing reviews from customers. A recent one said, "100% seal inspection of packaging is necessary to meet our customers’ quality requirements and SealScope™ gives us a high level of confidence that each product is inspected individually.

To complement their existing solution, Engilico will soon release a new, vision-based solution for in-line seal inspection of rigid packages, such as trays, pots, or other thermoformed packages. Called HyperScope™, this is an innovative inspection solution that uses hyperspectral camera technology and detects seal contamination with much higher contrast than standard vision cameras, even when the foil is printed. Printed foils are today used by many producers as it enhances the perception of product quality, but these non-transparent foils are a challenge for standard visual inspection.

HyperScope’s hyperspectral camera analysis reflected light in a much broader wavelength range than standard vision cameras, allowing for higher contrast. This means it can separate different materials such as fat, meat, oil, and water from plastic, allowing to detect contamination in the seal.

The HyperScope™ system provides full feedback on the seal inspection and reveals deviating trends in the packaging process.

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Leaking package due to folds in seal rejected by the SealScope™ system

the development of new products and functionality," explained Peter, something which is evident in the innovative new HyperScope™ which will be released in the coming month.

What’s more, although trade shows and events were cancelled due to the pandemic, Engilico shifted its efforts onto digital marketing, proactively organizing information webinars, newsletters and YouTube movies. This helped to generate hundreds of new contacts in Engilico’s target industries, growing its LinkedIn followers from 70 to 1,000+ in the last year.

For more information on SealScope™ and HyperScope™, head to the website or get in touch using details below.

T +32 16 498 130
info@engilico.com
www.engilico.com

Are you putting your employees at risk?

Industry Update is proud to announce that AQMesh has been selected as our Air Quality Monitoring Company of the Month.

AQMesh is a small sensor air quality monitoring system which is transforming the air quality monitoring world. Conventional air quality monitoring uses laboratory standard equipment in air conditioned enclosures which look similar to shopping containers. This significantly limits where the monitoring can take place, especially if space is a concern.

The AQMesh is a much smaller and portable system, meaning local air quality can be monitored wherever it is needed. The readings are transmitted by phone to the equipment remotely so it will carry on sending diagnostics capabilities. "We want to make it as easy as possible to use the device wherever you are in the world, so we’re creating the option to upgrade and fix the equipment remotely so it will carry on sending readings for years. It’s all about keeping it working in the field with minimum effort, getting it used correctly in as simple a way as possible."

Get in touch using the details below to find out how your air quality might be affecting your staff.

T +44 (0)1789 777703
info@aqmesh.com
www.aqmesh.com

Air Quality Monitoring Company of the Month

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Get in touch using the details below to find out how your air quality might be affecting your staff.

T +44 (0)1789 777703
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Evolve Automation introduces CORAX SaaS WMS in the UK market

CORAX is an innovative WMS developed by the Dutch-based company DavantiWarehousing. With a WMS you can take complete control over your internal warehousing. CORAX keeps the same pace. It is updated every 2 weeks, developed in Microsoft Azure and the data is safely stored in the Cloud. It has a Web and an App version; you easily take control over inbound, storage, outbound, returns, B2C etc. in food, B2B, retail and ecommerce.

T +44 88 345 4600
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www.davanti-group.com
www.coraxsaaswms.com

Mace Industries Limited
Mace Industries is the leading supplier of portable conveyors and hoists to the UK market, with our machines being widely recognised as the ‘go to’ product within national hire and construction companies. We are also the UK distributor for the world-renowned GEDA goods and passenger lifts.

Our equipment provides simple but effective solutions for all aspects of material movement, increasing performance while minimising manual handling, injury, time and costs. For over 30 years, our portable conveyors and lift solutions have proven invaluable to the construction, industrial and warehousing industries.

All our conveyors are built in-house and are an ISO 9001:2015 certified company. Our products undergo rigorous quality checks during assembly. Mace Industries will always strive to exceed customers’ expectations and are regularly developing and launching new innovative products.

Our offering to the warehousing industry is the UL-500. A highly modular conveyor designed to provide a conveying solution between a ground floor and an upper level, making it perfect for mezzanine floors. With a wide range of available bends, curves and flights, the UL-500 is suitable for the movement of pallets or small boxes.

Mace Industries’ dedicated team of mobile engineers can have any issue resolved and have your Mace machines back in action as soon as possible.

T +44 (0)1536 206600
sales@maceindustries.co.uk
www.maceindustries.co.uk

Mezzanine supplier reaps benefits of going global

Mitak Mezzanine Systems reflects on the advantages for the business and its customers of becoming a global organisation.

Back in February, Mezzanine International Ltd – along with its sister companies in Germany and the US – rebranded to Mitak Mezzanine Systems, creating the first global mezzanine company. Scott Chambers, MD UK and Europe for Mitak Mezzanine Systems, believes sharing project experience and leveraging economies of scale provides even better value for clients. “We have a depth of expertise in diverse market sectors that customers really value. Then there’s the shared investment in R&D, which means a faster rate of innovation.”

Another important advantage has been the ability to handle very large-scale projects at a consistent standard anywhere in the world. Linked with a robust global supply chain allows Mitak to be agile and minimise project timelines. “Speed to market is a phrase we hear increasingly often from clients,” says Chambers.

RCP begins ‘Love Recycling’ study second phase

RCP (Rubbermaid Commercial Products) begins the second phase of its Love Recycling study with a survey investigating what impact the COVID-19 pandemic has had on commercial recycling so far in Europe and its potential ramifications. The initial survey conducted at the start of 2020, found that businesses were engaged in improving recycling practices. With the disruption caused by national lockdowns, the furloughing of staff and the ceasing of all but the most essential business activities, the survey asks businesses to assess the pandemic’s effect.

Commercial recycling is continually developing. As scientists increasingly consolidate the link between large-scale human activity and the declining state of our climate and ecology, commercial industry (as a prime factor in these changes) must be vigilant.

Global conditions in 2020 have driven a huge increase in PPE production. In April, the number of PPE items recycled in the UK topped 3 billion items. Scaling this value to encompass the healthcare facilities of Europe, as well as commercial and private needs in the region demonstrates that, even in a pandemic, waste disposal of that waste does not go away. Nor does the responsibility for the safe disposal of that waste.

As businesses continue to audit their waste and recycling processes to minimise their ecological impact, RCP will continue researching the state and progress of commercial recycling in Europe, the challenges businesses face and their successes.

The survey can be completed via the www.loverecycling.com website.
Empower your business with Exact Business Software

Exact has over 500,000 companies using its software every day, providing a complete business solution for companies with one user to those with hundreds of users. This makes it ideal for sectors such as metal fabrication, machinery, electrical, and food, as the solutions are scalable and affordable with feature-rich functionality.

"Exact Business Software empowers businesses to meet the demands of today’s business challenges," said Jamie Smith, Founder of Red Cloud Consultancy. "Exact Online, for example, is a full SaaS solution that comprises everything a company needs, with its own Accounting and CRM part of the core industry solution offering. Businesses do not need to plug in different solutions to get what they need. Exact provides this all under a single solution at an affordable monthly subscription."

In order to support businesses across the UK in implementing this software, Jamie Smith established Red Cloud Consultancy in late 2017, bringing a much-needed experienced Exact software partner to the field. "Prior to starting Red Cloud Consultancy, I worked for Exact and was directly responsible for the enablement of accountants and partners in the UK, Netherlands, Belgium, Germany, France, and Spain," explained Jamie. "I have over 20 years’ experience of Exact Business Software, helping with its implementation and then ongoing support for international businesses in manufacturing industries, and this provided the platform for Red Cloud Consultancy."

As the only partner in the UK to solely specialise in Exact Business Software, Red Cloud Consultancy offers the best possible support and advice available. "As we only sell, support, and implement Exact Business Software, our focus is dedicated to their solutions and not clouded by others that are available. We can very quickly qualify Exact Business Software to the customer’s requirements and give them the best possible advice. Of course, if the solution does not fit the requirements, we make this very clear as well."

For manufacturing, Exact provides a single solution available in four variants: Basic, Advance, Premium and Ultimate. A small business can start out using Exact Basic, and then as it grows and needs more functionality, it can control this at the click of a button. This is the perfect way to modernise your manufacturing company, offering the ability to rapidly calculate competitive quotes, manage your work orders, gain insight into margins, and ultimately work in a lean manner thanks to the manufacturing dashboard. What’s more, with labour and machine costing, MRP and a smart shop floor app for data capture, Exact for Manufacturing provides an all-in-one solution that companies are looking for in today’s digitalised environment.

If you would like to find out more information on how Red Cloud Consultancy can empower your business with Exact Business Software, head to the website or get in touch using the contact details below.

Contact
T 01954 716389
www.redcloudconsultancy.co.uk

Empowering UK businesses with Exact Software

- All-in-one solution including SaaS or on-premise
- Digitalise your warehouse and shop floor
- Gain complete insight into your business
- Smart Stock Management
- Multi-Level Bill of Materials with labour, machine, and material scenario costing
- Increase your delivery performance
- One central place for all customer-related information
- Boost your sales effectiveness and transparency
- Insight into cash flow and performance

No obligation free 30-day trial for Exact Online

The UK’s only dedicated Exact Platinum Partner
Red Cloud Consultancy Limited | www.redcloudconsultancy.co.uk
info@redcloudconsultancy.co.uk | +44 (0) 1954 716389
The UK’s online retailer of hardware supplies

Established in 2012, by Katie Clarke and Robert Hart, the company was set up to offer both the public and businesses with a platform to be able to purchase their hardware supplies online and have them delivered directly to their home or site. Expanding significantly since its inception, the company now offers a full range of products including a range of Metal and PVC profiles, Metal Sheets, Storage Hooks and Garden Accessories, Kitchen Taps and ShopVac Vacuum Bags.

From its warehouse location in Romsey, Hampshire Hardware Warehouse distributes its products throughout the whole UK. Providing warehouse supplies to a variety of markets, Hardware Warehouse supplies to builders, engineers, schools, colleges, hobbyists and has a growing presence in corporate trade.

Preserving high standards

Building Products & Services Update

Bond It is building on its track record of offering innovative, value adding products with the launch of its new Coloured Wood Preservers.

The business, which ranks as one of the UK’s leading manufacturers of sealants, adhesives and building chemicals, has identified the need to offer more wood treatment products under its new Wood Guard banner.

With recent EU legislation banning ingredients such as propiconazole, products containing this active ingredient are currently being phased out throughout the industry. In response to this, Bond It has introduced a Coloured Wood Preserver that offers a water-based alternative containing no VOCs and no propiconazole, making it safer to use.

It contains a fungicide specifically formulated for use against wood rotting, decay and staining fungi, algae, lichen and other growths on wood surfaces. It is an ideal product for the protection of outdoor timber structures such as sheds, fences, trellis, pergolas, gazebos etc and can be applied to all rough, sawn or smooth timbers.

Available in a range of durable UV fade resistant colours that provide deep penetration into timber and leave a colour finish with the natural timber grain texture still visible.

It has virtually no odour and can be applied either by brush or low pressure spray to provide lasting protection. The formulation is water-based producing a non-flammable, quick drying product and is ready to apply direct from the container. It also facilitates easy clean up of brushes and tools.

Dr Kayleigh Cox-Novak, technical manager at Bond It, says, “As a business, Bond It are quick to react to legislative changes affecting the construction industry and strive to offer safer solutions to the users of our products. The launch of Coloured Wood Preserver reflects this focus on continued innovation and improvement.”

Available in 5L tins, the Coloured Wood Preserver is available in Light Brown, Dark Brown and Green. For more information on Seal It, contact our Sales Team on 01422 315300 or visit: www.bond-it.co.uk

Hardware Warehouse ensures that it provides good quality products at great prices. As a close knit family business, the company strives to provide great customer services and has consistently reinvested in itself to help improve their range and services.

“I think that our service is what sets us apart. A lot of the comments that we receive from customers state that they were unable to find anywhere else that provides what we do.” Katie continued, “We’re easily accessed and have the ability to pick and pack on the same day and we provide next day delivery as standard. We are very focussed on serving our customers and we receive a lot of repeat business as we understand that everyone’s requirements differ and we’re more than willing to help with things and go that extra mile for our customers. We have no minimum or maximum order quantity and if things aren’t in stock we can order extra when needed.”

With an ever-growing portfolio of products, Hardware Warehouse is able to stock a large amount of products to offer quick delivery.

“We provide great quality products at great prices, with a 1st class service – we put the customer at the heart of everything we do!” Katie said.

One of the most popular ranges provided by the company, Hardware Warehouse maintains an impressive range of metal and plastic profiles including Aluminium, Brass, PVC and Steel Trims, which are all available in various finishes. Providing them in one metre and two metre lengths, the company also boasts the ability to be able to source other sizes if required.

In terms of the company’s future plans, Katie told us that “Our main goal is to expand our range to meet our customer’s needs.” In the long term, the company is putting an importance on sourcing more sustainable products. “As PVC is such a popular range we are looking at more sustainable products and profiles made from recycled materials. We’re also looking at making more changes to benefit our customers, including a better quoting process and we are also working on the ability for our customers to see when deliveries are happening so they know when stocks will be high,” Katie stated.

To find out more on the company, please see the details featured below and make sure to follow them on social media.

Katie stated, “Pick up the phone and give us a call – we are happy to help and can speak to our supplier for bespoke orders. We’re social! Follow us: Facebook: @HardwareWarehouse Twitter: @HWWH_UK.”

T 0330 333 5030
www.hardware-warehouse.co.uk

Industry Update is sponsored by Rochester Electronics – see them on page 5
Plant expansion at BASF Antwerp: Digital plant documentation speeds up loop checks

In past years the choice of Ex-safe tablets on the market was relatively small, but in the meantime numerous variants using different operating systems are available. This makes digital documentation an option for many companies. The software and hardware required for this can now be set up entirely. For the loop checks at BASF Antwerp, the chemical company hired the complete test environment, comprising laptops, Ex zone tablets, LiveDOK licenses and much more, from the automation experts. Users who hesitate to invest in buying the hardware and software for similar applications, because they may only need to use them once, can benefit from this complete care-free package. All components are hired out on a monthly basis.

Independent of the operating system
Because there are frequently Ex-zones in the chemical industry, Ex-approved tablets were required for this application. In situations where more Ex-proof tablets are required at peak times than in everyday business, it may make sense to hire additional Ex-safe tablets. For cases like this, in addition to their software tools and project management know-how, the automation experts from Rösberg offer suitable hardware for hire (see Technology Text Box 2).

Technology Text Box 2: Hardware: Hiring instead of buying
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Environmental Science Ltd (ESL) based in March, Cambridgeshire was originally set up in 1994 and has focused primarily on the authoring of Safety Data and Workplace Activity Safety Protection (WASP) Sheets, identifying chemical hazards and providing on-site COSHH monitoring, LEV testing and risk assessment services. This core activity will continue; however due partly to the changed circumstances brought about by COVID-19, the company has made the decision to significantly expand and restructure the business. ESL has built and established trusted relationships within the UK chemical industry over the last 25 years, therefore it is a natural progression for the business to move into the development, manufacture, and distribution of hygiene products. These will include hand sanitisers, sprays, medicated soaps, surface and floor wipes and disinfectants.

To facilitate these new product lines, a new business entity is being created with the name ‘Environmental Science Hygiene Ltd’ and the existing company is renamed as ‘Environmental Science Group’. The new website is: www.envsciencegroup.com

Our Palm Tree Foaming Hand Sanitiser is unique and different from other current products for the following reasons:

- The alcohol is naturally sourced and distilled from the sap of palm trees
- The palm trees are not damaged in the extraction process, so the product is both sustainable and eco-friendly
- Unlike most other sources of Ethanol, by tapping into an existing resource it means that valuable agricultural land can be used for food production instead
- The foaming action is preferred by the healthcare sector over gel-based products
- The alcohol content is in excess of 60% as recommended by the World Health Organisation
- Conforms to the European Standard EN1276

Contact: Simon Jeffs
T +44 (0)1354 653222
sales@envsciencegroup.com

Cleaning & Hygiene Update

Nilco: Saying no to COVID-19

Nilco – the professionals’ choice for essential cleaning products and chemicals – has the ideal sanitising solution for pubs, bars and restaurants.

Industry leader Nilco produces a wide range of dry-touch sanitising, virus and bacteria control products that can be used both as an airborne room spray and on all hard surfaces, as well as sanitising products for personal use. The range includes no-touch hand sanitiser stations for customers on arrival, ‘High Contact’ dry-touch sanitiser spray for cleaning tables, chairs, light switches, handles, bar tops and preparation areas and the ‘Max Blast’ that effortlessly sanitises entire spaces at the end of a shift.

Stewart Wright, Owner of Nuovo Restaurant, comments, “Our staff have been fully trained on all the products and technology we have invested in. We are using the professional range of Nilco products; with quick-dry sprays that you don’t have to wipe, it simply settles on the surface and kills all bacteria, and hands-free sanitiser stations for customer to use around the restaurant.”

Peter Schofield, Tetrosyl Group Chairman, said, “We are proud to be supporting bars and restaurants like Nuovo in their pursuit to return to full strength in the safest way possible.”

For more information and to see our products being used by Nuovo Restaurant, please visit: www.Nilcouk.com or call 0161 764 5981.
Premium milk vending machines & bottles

Milk Solutions Company of the Month

All of the company’s machines are designed, developed and built in the UK, with an advanced wash system to ensure that every dispense is as fresh as the last. The machines are built to an ultra-secure and anti-vandal specification, making them fit for purpose and capable of withstanding the rigours of life on the streets of any UK town or city. To complement this innovative product range, Daisy Vending is dedicated to providing the best possible service to its customers, with 24 hour phone support and ongoing service and maintenance for all of its products. Its expert engineers have a wealth of industry knowledge, meaning they can provide truly bespoke machines designed with each client’s specific needs in mind.

Of course, Daisy Vending is always looking for ways to progress and offer its customers something new, cooking to the future, the company will be continuing to evolve its offering, expanding its product range to include more options such as flavoured milk.

If you would like to find out more information on anything Daisy Vending offers, head to the website or get in touch using the contact details below.

T 01460 455555
info@daisyvending.com
www.daisyvending.com

High value solutions for machining critical components

Machine Tools Company of the Month

Industry Update is proud to announce that Kyal Machine Tools Ltd has been selected as our Machine Tools Company of the Month.

Kyal Machine Tools is one of the UK’s leading machine tools vendors, offering new machinery and the servicing and support of these machines across the country. Established in 1985, Kyal was bought by Simon and Hilary Pollard in 2006 with the aim of taking the company’s existing product lines and expanding them.

Over the last few years, Kyal has continued to add to its portfolio and now represents WFL Millturn Technologies from Austria, Weiler from Germany, William-Macodel from Switzerland, Hembryg from Holland, and as of this year, Mitsui Seiki from Japan. The technical excellence provided by these suppliers combined with Kyal’s in-house expertise and dedicated customer support means the company is guaranteed to supply the desired production solution, meeting and exceeding customers’ needs.

Indeed, Kyal is clearly committed to only representing the very best machine tools in their classes, providing application orientated, high value solutions for machining critical components in industries such as aerospace, oil & gas, energy, automotive, medical, and other high precision sectors.

More importantly, Kyal does far more than just supply the products. It offers a complete support system for each tool, collaborating with suppliers from the very beginning, if a potential customer has a component drawing, this information is sent to the equipment manufacturer to create a detailed proposal that is the best fit for the customer and their parts.

Once an order is taken, Kyal is fully responsible for commissioning the project, including service, spare parts and the warranty that covers the installation and machine. Kyal can also offer spare parts within 24 hours, along with sending an engineer to the customer’s site for repair, servicing or installation.

What’s more, 90% of the machines Kyal installs are fitted with a tele-diagnostics system, which allows engineers to examine the machine remotely.

This means parts can be shipped after a phone call with the engineer or operator, so spares are ordered and sent directly to the customer on the same day for an early morning next day delivery.

“The majority of our products are niche products,” explained Simon Pollard, Managing Director. “We supply production solutions rather than just a machine tool. This means we offer the machine fully equipped to produce a particular type or range of components.

“One of our product lines, WFL Millturn Technologies, specialises in ‘one hit machining’, which eliminates the need to move the component through multiple operations around the factory. This enhances the solution’s competitive edge, and is ideal when dealing with large components, improving the quality of the component being manufactured.”

If you would like to find out more information on anything Kyal Machine Tools has to offer, head to the website or get in touch using the contact details below.

Contact
T 01858 467182
www.kyalmachinetools.co.uk

Industry Update is sponsored by Red Cloud Consultancy – see them on page 9
Industry Update is sponsored by Rochester Electronics – see them on page 5
DataLase coding & marking technology helps increase supply chain efficiencies

With the unprecedented growth in food retail and e-commerce, fast-tracked by COVID-19, the need to develop safer workplaces by reducing interactions among workers, together with the increased demands on the supply chain, has seen companies rely more heavily on automated technology that can assist with the real-time visibility of goods, employees and assets.

In helping brands, manufacturers and logistics businesses keep pace with this uplift in intensity, global coding and marking specialists, DataLase, has responded to the situation with its highly acclaimed Case Coding Solution. Enabling hard pressed supply chains to be responsive and flexible to consumer demand without the additional waste and excessive SKUs this often brings. Each individual box can be printed according to language, regulatory, nutritional, brand or geographical needs, minimising packaging production, shipment and storage, therefore lowering the associated carbon footprint.

The technology can be applied at the latest stage in the product supply chain, enabling the supply chain to be responsive and flexible to consumer demand without the additional waste and excessive SKUs this often brings. Each individual box can be printed according to language, regulatory, nutritional, brand or geographical needs, minimising packaging production, shipment and storage, therefore lowering the associated carbon footprint.

To find out more about DataLase’s proprietary laser technology, visit: www.DataLase.com

Dutch company O&PM Europa has been nominated for a prestigious award.

Its unique invention, the LabelSaver™, is nominated in the 2020 Packaging Awards in the category for Innovative Technology. The ceremony, which has been delayed due to COVID-19, will take place in February 2021.

The LabelSaver™ integrates O&PM Europa’s own robotics with the Memjet-powered TrojanLabel print engine and proprietary coatings to create a self-moving printer for label-less production.

It can be used to print high quality colour directly onto objects including metal paint cans, plastic containers, and bottles. As an example, LabelSaver™ can print at a rate of 500 jerry cans per hour in full colour, 360 degrees. The system is also capable of printing on Memjet-receptive coatings for flexible packaging and films.

LabelSaver™ was developed in response to the proliferation of SKUs and increased demand for short-run labels, which has driven small manufacturers to look for more economical ways to label their products.

O&PM Europa is also working on a tabletop coater for printing water-based primers on self-adhesive materials. This system will make life very easy for converters to prepare their own inkjet receptive substrates, saving them significant amounts of money and increasing efficiency.

O&PM Europa has also developed primers especially for this system. As one of the few in Europe, primers have become one of their leading innovations for water-based inkjet technology. Primers can be formulated for any type of substrate.

See the details below to find out more.

Contact
T 0031 657 26 25 44
www.opm-europa.com

Industry Update is sponsored by Red Cloud Consultancy – see them on page 9
**FUCHS launches new cutting and grinding fluid**

When it comes to improving tool life and performance, there are few things more important than lubrication.

Using specialist high-performance lubricants – and using them properly – has proven to increase tool life by up to one-and-a-half times. Multiplying over many expensive tools, that can add up to a significant operational saving.

FUCHS unveils a new member of the product family, ECOCOOL GLOBAL 20, a globally-approved water miscible cutting and grinding fluid for automotive component manufacturers.

Alex Holmes, UK Industrial Product Manager, said, “Customers have reported up to 43% reduction in cutting and grinding fluid for automotive component manufacturers.

ECOCOOL GLOBAL 20 is an innovative fluid yet to be introduced into the market.”

T +44 (0)1782 203700
ukwebsite@fuchs-uk.com
www.fuchs.com

**Waterjet cutting systems**

Since 1991 the Italian company Waterjet Corporation has been developing and manufacturing a wide range of CNC multi-axis waterjet cutting systems, including standard models in various sizes as well as customised machines. The flagship of Waterjet is the machine model Suprema DXK 30 with 5 axis technology and PRO3 KMT pump with 6,200 BAR. It can cut up to a thickness of 300mm of steel, alloys and titanium, the net cutting area sizes are 3,350 x 1,600mm, the accuracy is ±0.05mm (the precision of the movements of each Waterjet machine is verified by laser and test ball bars Renishaw), while the repeatability is equal to ±0.025mm. The 5 axis Evolution 3D cutting system automatically maintains by the Touch Wave™ sensor a constant distance between the nozzle and the material, even while the 5 axis cutting head is CNC interpolating up to ±90° in 3D.

Waterjet provides an excellent after-sales service by a highly specialised team and complies with ISO 9001-2015 quality control procedures guaranteeing the CE conformity. These standards allow Waterjet to provide a comprehensive service from initial advice on the correct equipment for your application to installation, guarding & commissioning, warranties, after sales technical support & ongoing preventative maintenance.

UK agents for Waterjet Ltd: Wightman Stewart T 01422 823801
www.wightmanstewart.co.uk

**Value added engineering services**

Emvio Engineering is a boutique engineering company, specialising in design, engineering and manufacturing for a vast range of industries. Established by George Konstantinidis, a Chartered Engineer with a PhD in Mechanical Engineering, Emvio Engineering offers value added engineering services and products to its customers, including 3D printing, CNC, machine tooling, product development and training.

Emvio Engineering is a UK resaler of BigRep Large Scale 3D Printers as well as the UK distribution partner for Syl CNC Machine tools. Backed by a knowledgeable and highly experienced engineering team, Emvio Engineering has the knowledge to help or advise on your engineering project. The company’s range of 3D printing equipment is sourced from numerous suppliers, offering machines and components that are considered best in class or value. Emvio Engineering can also provide plastic drying and aftermarket extends, along with a range of other engineering solutions.

If you’d like to find out more information, Emvio Engineering will be at MACH 2021 on adjacent stands 17600 and 17603. Here, the company will be showcasing the BigRep Studio G2, an engineering grade large scale 3D printer, as well as a brand new Epoxy Granite Vertical Machining Centre from Syl.

You can also get in touch using the details below or head to the website to discover how Emvio Engineering can help realise your engineering project.

T 0117 907 1655
info@emvioeng.com
www.emvioeng.com

**Machinery for fabricating & sheet metal industry**

AM Europe is a supplier of machine tools for the fabricating and sheet metal industry. Established in 1975, the company has expanded significantly since its inception and following the move to a purpose built facility has become the largest supplier of fabricating and sheet metal equipment for the North East of England and one of the largest in the UK.

Sourcing top quality machinery, AM Europe supplies a large range of machinery and is the sole distributor for Edinburgh based Euromac Machinery. Demonstrating a strong understanding and expertise of its machinery, AM Europe is able to provide advice on the right machine for the customer and ensures it looks after its customers from initial enquiry to after sales services.

The company complements its machinery with a whole host of supportive services. Providing excellent levels of customer service, the team of engineers at AM Europe are fully trained and well equipped to assist with support of every machine sold by AM Europe.

For any further information, please see the details below.

Contact T 01670 735434
www.amfeurope.co.uk

**Services for the sheet metal industry**

Presscare UK Limited is a West Midlands based engineering company predominantly operating in the fields of power presses, coil handling equipment & automation systems. We offer a comprehensive range of services to the sheet metal industry including service, safety inspections, electrical & mechanical repairs, preventative maintenance programs, installations, commissioning, guarding solutions & CE marking.

We offer a comprehensive range of ancillary equipment including tool protection (load monitors, component/misfeed detection, etc), strip lubrication, scrap removal & energy saving systems.

One of our specialities is the design & integration of machine control/ safety systems, ranging from minor safety upgrades to complete rewrites. From a modern multi-press line to an older ring frame machine, we can design, manufacture & integrate a new state-of-the-art control system to bring your press shop operation into line with the latest safety standards.

We have a number of global manufacturing partners allowing us to tailor an individual process solution to your requirements. We also provide a comprehensive service from initial advice on the correct equipment for your application to installation, guarding & commissioning, warranties, after sales technical support & ongoing preventative maintenance. We also carry an extensive range of spare parts here in the UK.

T 0845 226 7617
www.presscare.co.uk

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**MACH 2021 Preview**

MACH has been rescheduled to 2021 with the a new dates from 25-28 January. Taking place at the NEC, Birmingham, MACH will be the event to connect the world of manufacturing technologies and be the destination of choice for companies looking to adopt and invest in the digital revolution.

MACH is a fantastic event for both exhibitors and visitors. Showcasing live, digital production systems in one space, under one roof, hundreds of millions of pounds worth of business is discussed, secured and completed at the event.

Attracting 25,000 visitors and in excess of 600 exhibitors, MACH is the platform to connect UK manufacturing engineers, decision makers, buyers and specifiers with manufacturers of new technology, equipment, services and processes.

MACH is owned and organised by The Manufacturing Technologies Association (MTA), the voice for the manufacturing technologies industry, committed to driving innovation, creating value and helping UK manufacturing to thrive.

MACH is the UK’s biggest event for inspiring, innovative and connecting manufacturing.

Despite the show being pushed back to a later date, Industry Update would still like to highlight some of the potential exhibitors and industry leaders in manufacturing. Further details can be found on this page.

Contact www.machexhibition.com

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**Industry Update is sponsored by Rochester Electronics – see them on page 5**
Emergency drive breakdown?
Quantum Controls has you covered

Industry Update is proud to announce that Quantum Controls Ltd has been selected as our Drive and Motor Company of the Month.

Quantum Controls is the UK’s leading supplier of variable speed drives and motors, as well as all services associated with the pre and after sales support of these products. Currently, the company has over 230 service and maintenance partnerships with UK companies, providing local service and support across the country. “We have over 20 fully qualified drive service engineers, so our services are delivered to engineers, by engineers, not sales people. We are also the official service partner so our services are delivered to engineers, by engineers,” explained Kevin Brown, Managing Director.

“We have over 20 fully qualified drive service engineers, so our services are delivered to engineers, by engineers, not sales people. We are also the official service partner so our services are delivered to engineers, by engineers,” explained Kevin Brown, Managing Director.

Quantum Controls service local for our national clients,” said Kevin. Indeed, often companies are only interested in selling new products, aligning themselves with one particular manufacturer and thereby limiting the service their clients receive. Thanks to the scope of Quantum Controls’ capabilities, clients can benefit from the company’s expertise and support no matter what products they use.

These high standards are complemented by a unique drive hire service. Quantum Controls has a stock of over 1,500 variable speed drives available for rental, which are all built into weatherproof enclosures with a power rating of up to 4.5 megawatts. Drive breakdown can cost up to £20,000 per hour in downtimes, so Quantum Controls’ rental solution is the perfect way to get operations back up and running again quickly and efficiently. What’s more, with a team of expert engineers available 24/7, 365 days a year, Quantum Controls ensures immediate site response to any emergency drive breakdown.

Quantum Controls also offers an exclusive drive asset management system, which is accessible anywhere, at any time and on any device. It contains the full maintenance history for every drive, job details including engineer job sheets, maintenance reports and much more. Accessible with your own unique log in details, the system is updated in real time by Quantum Controls’ service engineers, meaning you can access it whenever they’re needed. Not only does this mean better management of your drive assets, it also saves hours of administration work, time which is then freed to focus on other tasks.

It is no wonder, then, that Quantum Controls has expanded significantly since its inception in 2009. Thanks to its year on year growth, the company has had new premises, increased staff levels and better national coverage. And, as would be expected, further expansion is on the horizon. “We are currently growing at a rate of 30 new contracts a month, meaning we are continuously looking at new service centres to keep the service local for our national clients,” said Kevin.

If you would like to find out more information on everything Quantum Controls has to offer, head to the website or get in touch using the contact details below.

Contact
T +44 (0)1661 897651
sales@quantum-controls.co.uk
www.quantum-controls.co.uk

Drive & Motor Company of the Month

World-class binding equipment with reliable Swiss quality

Industry Update is proud to announce that SWIGRAPH AG has been selected as our Binding Company of the Month.

Established in 1984, SWIGRAPH manufactures and distributes auto-punching and wire-binding equipment, in spiral as well as Double Loop binding systems. These are used across the bookbinding industry, as well as in-house binderies in premises such as banks, insurance companies and industrial factories.

SWIGRAPH’s spiral binding machines work with metal wires and PVC filaments, and SWIGRAPH also manufactures TAB reinforcing and TAB cutting machines, as well as industrial HD equipment to auto-produce calendar hangers. To complement its equipment, SWIGRAPH offers appropriate consumables, including Double Loop spoons, Double Loop pre-cut lengths, calendar hangers, METAL wires (400kg spoons) PVC filaments, and many more.

This equipment is world-renowned for its Swiss quality and reliable functionality, placing SWIGRAPH at the forefront of the binding industry. “Very often, we refurbish used machinery bought back from clients, and then re-export them to third world countries, where they ensure it is always staying up to date with the market’s requirements, developing equipment to address any challenges or pain points that begin to arise. Certainly, SWIGRAPH’s decades of experience means it is well placed to continue this industry-leading work as it looks to the future.

If you would like to find out more information on SWIGRAPH’s capabilities, head to the website or get in touch using the contact details below.

Contact
T +41 (0)55 243 20 60
sales@swigraph.ch
www.swigraph.ch

Bind@swigraph.ch
www.swigraph.ch

Binding Company of the Month
**LAMMA’s sell-out show**

LAMMA’s return to the NEC in Birmingham at the beginning of January 2020 presented an even bigger and better show than the one before, resulting in an upbeat two days that have been widely praised by exhibitors and visitors alike.

Fears among some exhibitors that last year’s runaway success had been partly fuelled by the novelty factor of an indoor event were quickly dispelled as visitors flowed through the gates on 7 and 8 January.

Overall, numbers ended slightly up on the year before, topping 40,000, drawn by more than 780 exhibitors showing the latest farming machinery, equipment and innovative technology that catered for all farming sectors and all depths of pockets.

Many exhibitors, large and small, used the event to launch new and updated tractors, combines, arable and grassland kit, and there was a wide range of products, services and tools on show. Innovation was evident right across the event this year, not only in the latest machinery. LAMMA is gaining a reputation as a place to exhibit cutting-edge technology, including precision farming, hardware and software, and automation and teledriving systems.

LAMMA ’21 will take place at the NEC, Birmingham, on Tuesday 12 and Wednesday 13 January 2021. This is our pick of the best exhibitors from this year’s show, listed here in alphabetical order. Cory Brothers Shipping Agency Ltd & Murray Machinery Ltd. Further details can be found on this page.

Contact: www.lammashow.com

**Cory Brothers Shipping Agency Ltd**

Established in 1984 Cory Brothers have lived through many world changing events. Throughout the lockdown it’s been ‘business as usual’ and having dealt with the dry-farmer sector for over 50 years, we could not wait and had to keep going. Corby Brothers’ range of products is unmatched in the UK and around the world. Your goods are taken care of.

Contact: Urs Witzig, Marketing Manager
T: +44 (0)1394 601129
sales@jordynbrothers.com
www.corbybrothers.com

**Murray Machinery Ltd**

Established in 1979, Murray Machinery Ltd operates from within Aberdeen, manufacturing material handling attachments to fit telehandler, forklifts and tractor loaders for the UK agricultural sector.

We have an extensive product range of over 45 machines with numerous variations such as balk handling equipment, multi-grabs, plastic buckets, push-out buckets, stone forks, snow blades and quick hitch adaptors as well as our award-winning gravel road grader.

Our gravel road grader recently won the Silver Award of the Royal Highland Technical Innovation Awards 2020. The purpose of the Murray Gravel Road Grader is to resurface gravel roads which have fallen into a state of disrepair, to a new and pristine condition.

The grader has options of hardweld edges, hydraulically operated ripper teeth and a hydraulically operated lifting frame. The Murray road grader also has a new addition of a rear pacer roller. The Murray road grade is now able to carry out four different functions in the same machine, and in utilising existing material, great savings can be made on time, effort and the money spent on maintaining your gravel road.

Murray Machinery takes pride in the quality and presentation of products and with the help of the latest CAD design and CNC machine tools, reliability and durability are also at the forefront.

Contact: T: 01651 851636
sales@murraymachinery.co.uk

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**Pewatron is official partner and distributor for RoboteQ**

Roboteq is a leading manufacturer of advanced components for Mobile Robots applications. The company’s extensive product line includes the industry’s largest range dual channel controllers, MILO, Roboteq’s high performance controllers for Brushless, AC Induction, and Brushed DC motors.

Roboteq’s full solution of Motor Controllers, Navigation Sensors, Battery Management Systems, and Charge Contacts, is backed by outstanding Technical Support. Roboteq products are now available in the UK.

Roboteq also offers a range of sensors for Automatic Guidance. For example, the company’s MGL1600 is the industry’s most accurate and water-to-wake sensor for following magnetic tapes affixed to the floor. When used together with a Roboteq dual channel motor controller, a fully autonomous Automatic Guided Vehicle can be built with just two components.

Since all Mobile Robot are battery operated and need recharging, Roboteq has recently expanded into Power Management, with a range of Lithium Battery Management recharging, Roboteq has recently expanded into Power Management, with a range of Lithium Battery Management Systems, and Charge Contacts, is backed by outstanding Technical Support. Roboteq products are now available in the UK.

Contact: Urs Witzig, Marketing Manager
T: +44 (0)1394 601129
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www.corbybrothers.com

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**Test, Measurement, Process & Control Update**

**Interface Force Measurements launches DDM’s innovative range**

Interface Force Measurements is pleased to launch DDM’s innovative range of small form factor pressure sensors to the UK automotive industry for the first time. Widely used by automotive manufacturers and test houses in Germany, DDM’s sensors are designed to offer accurate flow and pressure measurement in applications such as:

- Fuel system pressure measurement
- Coolant pressure measurement
- Turbo charger pressure
- Exhaust back pressure
- Brake system fluid pressure
- Crane pressure
- Automatic transmission fluid

DDM’s sensors are designed for both on vehicle and test bench use. All sensors feature a fully welded stainless steel construction. Pressure ports and electrical connectors can be user specified to best fit your application. Pressure ranges start at 0.1bar, up to 2,000bar with working temperature ranges from -40°C to +150°C.

T: 01344 776666
www.interfaceforce.co.uk

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**100 years of business**

**Kingston Engineering**

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

With a history dating back to 1919, Kingston Engineering has specialised in manufacturing right hand/screw hand, single/multi-start, cut thread Power Transmission Screw and Nut, for over 60 years. Adaptability for mechanical power transmission, their products conform to the standards of British, European and American requirements. All of Kingston’s products meet ISO 9001:2015 accreditation and are examined thoroughly during manufacture.

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

The current directors have more than 100 years of experience between them and are continuously engaging in plans to help the company become global leaders in screw manufacturing.

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**Test, Measurement, Process & Control Update**

**Welded stainless steel construction. Pressure ports and test bench use. All sensors feature a fully welded stainless steel construction. Pressure ports and electrical connectors can be user specified to best fit your application. Pressure ranges start at 0.1bar, up to 2,000bar with working temperature ranges from -40°C to +150°C.**

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We also work with LIG Germany, the 3rd largest lab supplies distributor in the world, and have a catalogue of 20,000 items from over 200 respected brands.

For further details, contact Labtex on 01484 600200 or visit: www.labtex.co.uk to see the range.
Imtex Controls celebrates its 30th year anniversary

First established in 1990, Imtex Controls is a privately owned engineering and design manufacturing company, which was founded by Ian Turner and is now a family business, run by Ian and his two sons, Paul and Mathew Turner, who are Directors of the company.

With its factory situated in Deeside and sales representatives featured throughout the whole of the UK, Imtex Controls has seen unprecedented growth since the company’s inception. Starting with one initial product to maintaining a growing portfolio, Imtex Controls has expanded significantly and now manufactures the largest independent range of valve position monitors, becoming a pioneer in developing automation valve communication products.

“We specialise in the production and supply of advanced, high integrity valve actuators, communication and control systems for the energy, marine and process industries,” Jenny stated. Imtex Control’s products are suitable for both onshore and modulating control of process valves installed in a range of industrial sectors, including oil and gas, marine, chemical, power and low carbon.

In terms of the company’s product range and services, Imtex Controls delivers on products and services such as valve position monitors, I/O valve monitoring and testing solutions and manufacturing Camtorc actuators for both on/off and modulating valve and damper systems.

As a British manufacturer, Imtex Controls prides itself on the quality of its products and they are all engineered and tested to ensure continuous operation in virtually any environment including extreme service applications.

A recent innovation for the company, Imtex Controls has launched its revolutionary Valve Diagnostic Monitoring System (VDMS). The VDMS is a field mounted device that can fit onto any type of actuator and will record the valve’s movements and log real-time data, recorded and sent to a cloud-based dashboard system. The main benefit of the VDMS is its ability to monitor the valve and provide feedback to the operator about the health of the valve, which can help determine whether the valve may require servicing and repairing. Its unscheduled rig shutdowns can cost millions of pounds, using the VDMS can help operators prevent unscheduled shutdowns and ensure that the valve is serviced during maintenance windows.

The VDMS is a brand new idea and is patented and engineered by Imtex Controls. Although there are many companies with alternative methods for valve monitoring, these methods often create more hassle for the operators as they have to change every valve to work for that method. One of the best features within its design is that it can be fitted onto any actuated system meaning the operator doesn’t have to change anything. Jenny expanded that, “The best bit about this system is that it is cheaper than installing a smart monitor and, as far as we are aware, no one else is currently offering this service in such a simple end-to-end system. This is a true IoT innovation. With all of these benefits and the potential cost saving the VDMS produces, why wouldn’t you invest in the VDMS?”

Regarding the future plans for the company, Imtex Controls is continuing its approach for producing the most innovative products available on the market and developing new solutions for any industry challenges and demands. Imtex Controls is also planning to continue building awareness of its VDMS product and will be selling it to larger operators. “We are also currently working on a new Electro-Hydraulic actuator to coincide with our existing range. EH actuators are required for areas where there is either no or little power and replace hydraulic systems with self-contained actuators operated solely by electrical power. EHMC eliminate the need for separate hydraulic pumps and tubing, simplifying system architecture and improving safety and reliability. We already supply self-contained Electro-Hydraulic actuators and we have already recently manufactured linear electro-hydraulic actuators for a large project in Iraq, but we are always looking to develop our product line, so watch this space.”

Imtex Controls is sponsored by Red Cloud Consultancy – see them on page 9
Social distancing in style

Milliken launches a design-led carpet tile collection to assist social distancing and promote mental and physical well-being in the workplace.

To support the safety and cultural needs of the new workplace, Milliken has created ‘Social Factor’, a collection of informational carpet tile graphics that can be easily inserted into an existing carpet tile layout.

As the lockdown begins to ease in some countries, Milliken designers have taken on the profound challenge of creating an architecturally pleasing floor covering collection to facilitate a safe return to work. Milliken research has supported the theory that the floor plane can play a vital role in supporting the requirements of new workplace design. Carpet can effectively be used to define boundaries, create zones, provide wayfinding, set navigation, direct traffic and provide a measuring tool through graphic messaging, colours and patterns.

Social Factor uses Milliken’s proprietary patterning technology to bring safety messages to life with vibrant and imaginative design treatments. Social Factor Floor tiles not only provide an effective way to design important new safety elements into the office layout, they also help promote a spirit of positivity and sense of security.

Social Factor carpet tiles can facilitate responsible behaviours such as social distancing and enhanced hygiene practices. Designs include distancing and directional arrows, footstep, chair positioning and hand-washing icons. They provide a highly visible and easy to follow guide for employees returning to work.

For more information visit www.milliken.com

New premium range of EVOGuard Industrial Helmet Visors

JSP's new premium range of high performance EVOGuard Industrial Helmet Visors offers a rated high energy impact protection (190m/s^2) when fitted to JSP’s Evolution range of Safety Helmets. The visors will also provide a useful covering to the face against coughs and sneezes and prevent workers from touching their eyes and face to help work safely during the coronavirus pandemic.

Designed with a host of features by the JSP in-house Research and Development team, this range of high performance visors are very easy to fit, provide maximum comfort and protection with simple, effortless maintenance. Offering a panoramic Optical Class 1 view, the EVOguard range of Helmet Visors, models C1, C2, C4 and C5, will also filter harmful UV radiation to protect the eyes while also offering high light transmission and enhanced colour recognition.

The EVOguard C1 and C2 visors provide comprehensive facial coverage with a visor length of 185mm and the C4 MAX and C5 MAX option offer enhanced coverage of 215mm visor length with a fully enclosed protective shield. All the EVOguard Industrial Helmet visors are fully compatible with JSP half masks, disposable respirators, prescription glasses and the Sonis® helmet mounted ear defender range.

For Electric Arc Protection, choose the EVOguard C5 MAX which meets the requirements of SS-ET-28, providing eye and face protection against a risk of an arc flash: SS-ET-28 Class 1, 4KA (155KJ/m^2 or 3.7 cal/cm^2).

www.jspsafety.com
Metal and Modular’s Auto-Brake range

Metal and Modular, the specialist in innovative safety, security and materials handling equipment, has achieved BS EN 1757-3:2002 for its Auto-Brake Trolley range.

Weighing just 140kg, the Auto-Brake Load Trolley has a capacity of up to 2,000kg, making it ideal for most transportation requirements.

Meanwhile, the Auto-Brake Panel Trolley has an integral high-load ratchet strap with a load capacity of 1,000kg and is suitable for transporting a wide range of materials in an upright position.

Contact
T 01327 343300
www.metalandmodular.co.uk

I n addition to the obvious need for high levels of safety, economic efficiency and machine availability were key considerations during the development of the highly innovative door locking mechanism CTM from Euchner. At only 120 x 36 x 25 millimetres in size, the switch can be installed inconspicuously within machinery. The novel ball actuator supported on an elastomer bearing can even secure doors with extremely small pivoting radii.

The bistable guard locking function of the safety switch CTM ensures that guard locking remains in its momentary state if the power fails or the installation is switched off. This will keep the door locked if it was already locked before. If guard locking was not previously activated, the door can be opened and closed as needed, with or without power being applied. This has obvious benefits, e.g., when cleaning down the equipment following a production run.

Installation and wiring couldn’t be simpler with multiple switches able to be wired in series, reducing the need for multiple evaluation devices or safety IO in high risk areas. The CTM’s intelligent communication capabilities future-proof it for Industry 4.0. The integrated interface permits connection to IO-Link Master units via the ESM-CB evaluation unit.

T +44 (0)114 256 0123
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Easier hearing tests at work

In this issue of Industry Update we are proud to announce that we have chosen WorkScreen as our Occupational Hearing Test Solutions Company of the Month.

Demonstrating a wealth of knowledge from the company’s over 30 years of experience in healthcare technology and services, WorkScreen has created a revolutionary, portable, no-contact and cost-effective hearing test for the workplace.

“With many OH companies unable – or refusing – to offer hearing tests at work while COVID is a risk, we provide a safe, easy and low cost way of conducting workplace hearing tests. This means companies can continue to provide this essential health test and comply with their obligations under Noise at Work Regulations,” comments Tom Parker, Managing Director.

Developed in the UK by Tom Parker and Mark Ashmore to be user-operated by anyone familiar with a tablet or smartphone, WorkScreen provides a high-quality industrial hearing test service without the usual hassles associated with hearing tests. The system uses WorkScreen’s e-health technology to carry out individual audiometry tests and provide reports over the internet to HSE guidelines, which makes each test easy, accessible and consistent. The test therefore enables companies to meet their legal requirements under the Noise at Work Regulations. The hearing test reports are presented on screen at the end of each test for immediate review and a copy is emailed for permanent record, with a management report summarising the results and any observations. Importantly, the service also includes a referral pathway for anyone with suspected hearing problems.

WorkScreen is the world’s first calibrated online hearing test system dedicated to Occupational Health and addressing Noise Induced Hearing Loss (NIHL). In terms of the company’s services, WorkScreen is available in three options: ‘on-demand’ – where you simply rent a handset for a number of tests and return it afterwards; ‘comprehensive’ – where a licence means you retain a fully supported handset for 24/7 availability; or ‘pay as you go’ – which is a flexible combination of the other approaches.

“Our main benefits are flexibility, safety and convenience,” Tom stated. “By using our handset at your own facility, staff and workers use it wherever and whenever they need to. This maintains safe distancing, while working around your staff’s availability lessens the productivity impact of conducting a number of hearing tests – so saving money. It’s easy to use, requires no specialist training and meets requirements of the Noise at Work regulations.”

WorkScreen provides occupational hearing test services for a range of sectors including manufacturing, construction, telecoms and food production. They also work with health and safety providers and occupational health organisations to ensure that hearing surveillance, screening and compliance is both accessible and easy to use.

“We notice that, in particular, where it’s so important everyone can gain access to hearing tests and protect their hearing health.”

In terms of the company’s future plans, Tom told us that, “We want to continue developing our service and supporting small and medium sized businesses in particular, where it’s so important everyone can gain access to hearing tests and protect their hearing health.”

For any further information, please see the details below.

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Digital Edge Subsea is a world leader in offshore digital video recording (DVR) + inspection systems. The company develops and manufactures DVR products for use throughout the offshore oil and gas industry including diving, remote operated vehicle (ROV) and topside operations.

Established in 2010, Digital Edge Subsea first started out with its single channel 1D digital video recorder and inspection system, the EdgeDVR. The EdgeDVR was originally designed by a pilot and 3.4u inspector and inspection system; the EdgeDVR was created to be simple to use for personnel of different levels of ability and underwent strenuous testing to ensure that the system was reliable and provided good technical support which can be remotely accessed.

Digital Edge Subsea is based in Ulverston, Cumbria and maintains a selection of distributors in Aberdeen, Houston, UAE, Singapore, New Zealand, Brazil and Norway. The location holds a renowned reputation for having subsea companies, including Triton, Siemens, Orcina, Link subsea, Fortis Design and Blueprint Subsea. Ulverston is located 10 miles from Barrow-in-Furness, a few hundred meters off of the coast of one of Europe’s largest offshore wind farms.

Expanding significantly since the company’s inception, Digital Edge Subsea now produces an extensive range of products and supplies systems to many leading offshore operators on a global scale. Digital Edge Subsea has been acknowledged for its quality and reliability, thus propelling the company into becoming a trusted brand boasting a reputation for its excellent support. Maintaining around 500 systems in use offshore, Digital Edge Subsea has established a proven record of reliability.

Digital Edge Subsea’s range of products is supported by its Managing Director John Benson and Inspection Manager Tracey Lawson’s combined offshore experience of 40 years in the subsea inspection industry. Through their extensive industry knowledge, Digital Edge Subsea ensures that all of its products have been designed for the ease of use of the end user. With this in mind, the company has launched its new option of a laptop range.

The laptop has the same capabilities as the rack mounted system and 4 channel HD recording capability. With a storage capacity of 3TB and an external 2TB SSD drive, which stores the survey data, the laptop provides ample amounts of storage space. Windows 10 operating system is stored on a 2 x solid state hard drive (Raid) which increases the speed and its reliability. The laptop is also available to work with each of the Digital Edge Subsea’s new range of Edge DVR V5 series software.

Digital Edge Subsea recently launched its New EdgeDVR V5 series range. After ongoing research and development, complemented by the company’s 10 years of valuable client feedback, Digital Edge Subsea has created its next generation of DVR. Version 5 of the EdgeDVR provides the same capabilities as the Version 4 but with the added advantage of being able to record four channels of HD simultaneously. The new version has been specifically designed to meet the technological demands of the industry to ensure that the new version is compatible with high definition cameras and sensors. Creating three different versions of the software, Digital Edge Subsea provides EdgeDVR Lite – entry level unit, EdgeDVR – For more in-depth surveys and inspections that require eventing and logging and EdgeDVR Pro – All the capabilities for the EdgeDVR plus a task based extended database and automatically generated infield reports that capture inspection results.

Marking a show appearance for Digital Edge Subsea, the company recently exhibited at the Subsea Expo.