

INDUSTRY UPDATE

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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 HVACR professional in the field for HVACR 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 utilising the Job Link® System offer advanced solutions for HVACR 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 saving 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 getting electrical measurements on mini-splits. The included Molex tips are super



thin to get readings on hard to reach circuitry and a low pass filter provides more reliable voltage readings on variable frequency drives (VFDs). Plus, the SC680 also measures DC amps for inverter systems.

Using Power (kW), phase rotation, True RMS, Inrush features, and super thin Molex test leads, the field technician can easily test HVACR electrical equipment. Because these new meters are CAT IV rated at 600 Volts they cover the higher levels of transient overvoltage HVACR professionals may encounter when 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 & diversified and 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 Jar Store online platform. The extensive e-commerce store offers glass packaging & closures with a rapid turnaround on single units to full pallets – with hundreds of popular packaging options, competitively priced, in-stock & ready to ship.

With a growing inventory of premium glass, a wide variety of closure options including corks, heat shrink capsules, wax & sparkling



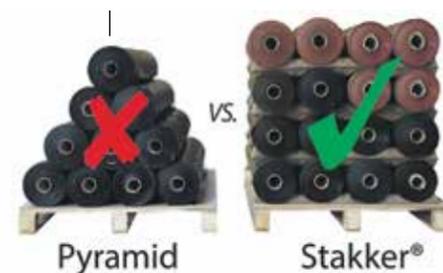
wine accessories and complementary oenological & machinery products, The Bottle Jar Store is fast becoming the one-stop-shop for small to medium producers & start-ups looking for convenience quantities.

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.

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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 styles 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 is able to mould large format, heavy

duty, deeper sections and its products are recyclable. It has its own design studio, mould making shop, slurry development and production process under one roof.

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www.stakker.eu

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. Basic wall and 'S' Hooks for the simplest cable management solution or a more managed product such as the Cable Tracks 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.

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Editor Recommends

Industry leading custom sensors to suit your requirements



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 manufacturers, 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.

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PatWorld is an innovative, global patent database that has been developed by experienced patent research specialists to provide a search tool that is simple enough for novice searchers, yet comprehensive enough to meet the needs of professional searchers.

PatWorld centres around an intuitive search form providing the user with all the tools required to extract results from over 115 million indexed patent documents, covering multiple territories and languages.

Having presentable, well-structured data is a priority and the user interface has been developed to maximise the display of data, enabling users to efficiently navigate and analyse results. PatWorld will also feature



a machine translation tool.

Users can record a history of their searching and store these in separate project folders that can be accessed over multiple accounts for collaborative working.

Within project folders, users can rate and comment

on results for future reference. A report generator tool will allow users to quickly generate customisable professional reports ensuring that users can present their data as efficiently as possible.

PatWorld offers flexible payment options (day/month/annual/corporate), giving users the freedom to manage their subscriptions according to their search needs.

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Rhoint Sourcing, part of the wider Rhoint Group, works with a range of distributors to secure genuine electronic



components. Thanks to its extensive supply network across the EU, USA and Asia, Rhoint 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, Rhoint 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 CEMs excess stock holdings.

In addition to its global sourcing service, Rhoint 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 Rhoint Sourcing your complete solution in electronic component sourcing. For more information, head to our website or get in touch using the details below.

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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.

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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.

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The Semiconductor Lifecycle Solution™



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.

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 know-how, 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 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 186/188/486DX4/196 processor ranges; Analog Devices DSP & TigerSHARC DSPs; Texas Instruments DSPs TMS320C30/31/32/40/50; IBM's PowerPC PPC750 CPUs and many others. "We concentrate on maintaining availability of the key heartbeat 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-counterfeit 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 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 SRAM, DRAM, and NOR Flash Memory.

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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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,



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.



A new level of machine process monitoring
With an emphasis on self-teaching, the ACCRETECH SBS ExactControl™ system brings a new level of machine process monitoring and control to grinding machine users. "With the ExactControl™ card, acoustic emission, power, spindle current, vibration, temperature, torque and speed, can be used individually or in parallel for process monitoring. Grinding cycle data is saved automatically to the system," explains Tim Wood, General Manager at ACCRETECH SBS.



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 AEMSTM.

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 Janos 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 workpiece 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.



In November 2019, Tosei America Inc, USA, a subsidiary of Tosei Engineering Corp, Japan, acquired the SBS balancer product line from Schmitt Industries Inc, USA and renamed the company ACCRETECH SBS Inc, USA. Its subsidiary Schmitt Europe Ltd in the UK, will in turn soon change its name to ACCRETECH SBS Europe Ltd.

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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 and 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

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RENA diversifies with additive manufacturing

RENA Technologies acquired Hirtenberger Engineered Surfaces (HES) on 16 July, and established a new market segment, additive manufacturing (AM). The existing team, exceptional process know-how and cutting-edge Hirtisation® technology will be integrated into the RENA corporate structure as a global player. The new RENA Technologies Austria (RENA AT) is to operate as hub for activities in the additive manufacturing segment. RENA AT will also function as technology and development centre for all aspects of electrochemical surface finishing.



Hirtisation® technology is at the core of the new RENA Technologies: it is a high-performance tool for post-processing of 3D-printed metal parts. Of decisive importance in modern 3D-printing technology is surface finishing that permits the use of 3D-printed components. The process – precise, automated and suitable for mass production in 3D metal printing – is an alternative to conventional post-processing methods.

"The outstanding expertise and efficient implementation of modern production machinery designed to respond to customer needs immediately impressed us," says Peter Schneidewind, RENA's CEO, who adds, "Hirtisation® technology complements perfectly RENA's product portfolio." For HES too, RENA is the logical next step in marketing its technology globally and supplying promising international markets.

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DESOL PW 711 a panel wipe based on isopropanol which can be used on hard surfaces and is particularly effective at destroying virus such as Covid 19.

DESOL PW 770 this is an impregnated solvent wipe which both degreases and leaves on a pretreatment which assists adhesion and corrosion on any subsequent organic coating, including wet paint and powder coating. It gives excellent results on both ferrous and aluminium substrates.

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PRODUCT RANGE

<p>METACLEAN AL Powder and liquid alkali cleaners for spray and immersion degreasing</p> <p>METACLEAN DR Acid based materials for etching derusting and descaling applications</p> <p>PHOSGUARD LW Lightweight Iron and Zirconium Phosphates pretreatments for use prior to painting</p> <p>PHOSGUARD ZP Zinc Phosphates prior to rust proofing and painting</p> <p>PHOSGUARD NC Non Chromate conversion coatings for aluminium</p>	<p>METPHOS CL Single stage degrease phosphates for use at ambient temperatures</p> <p>METSOL PT A wide range of environmentally friendly materials for wipe on degreasing applications</p> <p>STRIPSOL PS Paint and powder coating strippers covering a wide range of applications</p> <p>METSOL SD Single stage low temperature degreasers for use in vapour degrease plants</p> <p>DESOL PW Panel wipes and pretreatment wipes</p>
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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 honoured 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, VFFS bags and flow wraps. This is achieved with the SealScope™ seal inspection solution, which detects leaking or open packages using mechanical sensors that are retrofitted 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 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 cameras analyse 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.

This brand new solution will considerably expand Engilico's application range. "Today, almost any food producer applies rigid packaging to package meat, cheese, fish, salads, ready-meals etc.," said Peter Nijs. "While Engilico mainly focused on inspection of flexible packaging, now we will be able to address a new application segment and new customers, thanks to HyperScope™. Also, the application possibilities of HyperScope™ reach further than only seal inspection. It can also be used for incoming goods inspection, to analyse product composition, to evaluate freshness or ripeness, to check for content presence, and more."

Throughout the COVID-19 pandemic, Engilico remained operational by putting measures in place, such as working from home, social distancing, and extra hygienic preventions. Although new customer visits drastically reduced due to travel restrictions, Engilico's existing customers ordered extra systems, recognising the value of seal inspection and making sure they could continue to equip new or extra packaging lines. "Also, on the positive side, we were better able to focus on



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



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 organising 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 shipping 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 network to the company's server, where they remain confidential to the customer.

"Our product has been on the market the longest of such small sensor systems, since 2010, so we've been spending the last 10 years developing it to be used in different conditions and climates. This means it will work anywhere, all over the world," explained Amanda Billingsley, Managing Director. "It is also very easy to



install, taking about 10 minutes, and provides accurate readings throughout its use. It's a low-cost, flexible option for local air quality monitoring, and each pod can contain multiple sensors. AQMesh can measure over 10 different pollutants, so you can easily manage the risk levels of each one, at any given location."

Indeed, many companies may be curious about the air quality their employees are exposed to but not be aware of how much it can vary over a short distance or how dangerous poor air quality can be. "A lot of employers don't know the level of exposure their staff have to bad air pollution, which can be very harmful and even carcinogenic. If you don't know whether your air quality is an issue for staff, using AQMesh is an easy way to find out," Amanda said. "We have many users



who use AQMesh to understand this issue ahead of any legislation or enforcement."

As a responsible employer it is crucial to protect employees from the harm that can be caused by poor air quality. AQMesh can be rented for a short period, meaning it can be moved around to different places at a facility or working environment, to see how air quality varies throughout the location. It is also an excellent way to measure whether opening a window is letting in

pollution from outdoors. For instance, if an office or other site is located next to a main road, factory, or even a car dealership, outdoor air pollution is often higher and therefore there is a greater risk it can affect the air quality inside the building.

"It's so important for employers to understand

how poor air quality can affect health, for both indoor and outdoor staff. Air quality varies hugely over short distances and how far the employee is from the pollution source, so a conscientious employer would want to know what the pollution level is and what risks it poses. AQMesh can do this in an efficient and cost-effective way," said Amanda.

As well as constantly developing appropriate new sensors for the AQMesh system, such as wind speed and direction, the company is also improving its remote 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



Amanda Billingsley, Managing Director

Evolve Automation introduces CORAX SaaS WMS in the UK market

Innovative warehouse management

Evolve Automation has broadened its portfolio with the Cloud and SaaS based Warehouse Management System (WMS) CORAX. Evolve Automation is an experienced specialist in efficient and reliable mobile robots for all markets; from e-commerce fulfilment robots to moving any type of goods from A to B in food processing, production, automotive, logistics, supply chain and supermarkets. Evolve is happy to offer its customers a total solution, both for internal, mobile robot solutions and for warehouse management. Both products are fully scalable, can be implemented in a short time and therefore enable a fast ROI.



stored in the Cloud. It has a Web and an App version; you easily take control over inbound, storage, outbound, returns, BDD etc. in food, 3PL, retail and ecommerce.

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 www.coraxsaaswms.com

CORAX is an innovative WMS developed by the Dutch based company Davanti Warehousing. With a WMS you take control over your internal warehousing. CORAX is SaaS (Software as a Service) which means that it's an online, scalable product; you do not need any servers or IT infrastructure anymore. When the operation grows, CORAX keeps the same pace. It is updated every 2 weeks, developed in Microsoft Azure and the data is safely

Mezzanine supplier reaps benefits of going global

MiTek 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 MiTek Mezzanine Systems, creating the first global mezzanine company. Scott Chambers, MD UK and Europe for MiTek 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 MiTek to be agile and minimise project timelines. “Speed to market is a phrase we hear increasingly often from clients,” says Chambers.



“Of course, the faster we can deliver a mezzanine project, the sooner the customer can profit from their investment and gain competitive advantage.” Passing on these benefits to customers has helped to secure new contracts.

If you would like to find out more, visit: www.mitek-mezzanine.com

IFL increases its warehouse storage facilities in the Midlands

International Forwarding Ltd has added a new and sorely needed 27,000ft² storage facility in the centre of Birmingham, West Midlands, to its portfolio of warehousing space, offering long or short term flexible warehousing and storage solutions. The site has a range of modern handling equipment including 2.5 tonne capacity container spec forklifts. This is in addition to a 2,000m² secure warehouse storage facility which opened in the Midlands last May as part of the company's growth plans and quickly filled up.

The new full unit opened in May 2019 and almost doubled IFL's warehousing space at the time. The storage facility is part of a larger two acre site, which the company took over in April. The site includes 24 hour security and yard space for vehicle parking and trailer storage. It is located next to IFL's existing offices and hub in Coleshill, Birmingham, close to the M1, M5, M6 and M42, and 10 minutes from Birmingham International Airport.

Extra warehouse storage at Birmingham hub

The timing of this major expansion in the company's facilities is particularly opportune as several existing customers require additional warehousing to protect their supply chain against Brexit-related issues. It also gives the sales team the tools to acquire additional forwarding and pallet distribution contracts from new UK and overseas-based customers. The existing management team will control the physical freight handling and the back-office functions for the new site.



30 years of IFL in the Midlands

IFL is a Midlands-based independent freight forwarder specialising in European groupage services, sea and air freight, UK haulage/pallet distribution, and warehousing. The company started trading in 1989 to fill a niche in the West Midlands to provide a personalised bespoke freight forwarding service to local exporters and importers.

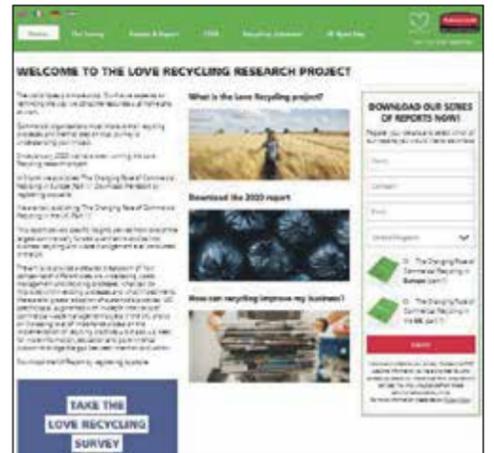
For fast, flexible quotes and competitive storage rates, or to discuss your warehousing needs, call us on 01675 434690 or email: enquiries@internationalforwarding.co.uk

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 their recycling practices. With the disruption caused by national lockdowns, the furloughing of staff and the ceasing of all but the most essential businesses, 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 committed to the NHS in the UK topped 1 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 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.

Mace Industries



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 conveying and lifting solutions have proven invaluable to the construction, industrial and warehousing industries.

All our conveyors are built in-house and as an ISO 9001:2015 certified company, our products undergo many 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 belts, cleats and flights, the UL500 is suitable for a magnitude of product.

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Has recycling provision increased or decreased as part of return-to-work planning?



Let's find out. Take the survey.



Let's do this together

www.loverecycling.com

Has the importance of commercial recycling been eclipsed by new health concerns?



Has the implementation of new recycling policies been accelerated or delayed?

Empower your business with Exact Business Software

Industry Update is proud to announce that Red Cloud Consultancy has been selected as our Business Software Company of the Month, for its expert services in supporting SMEs in implementing Exact software solutions.



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

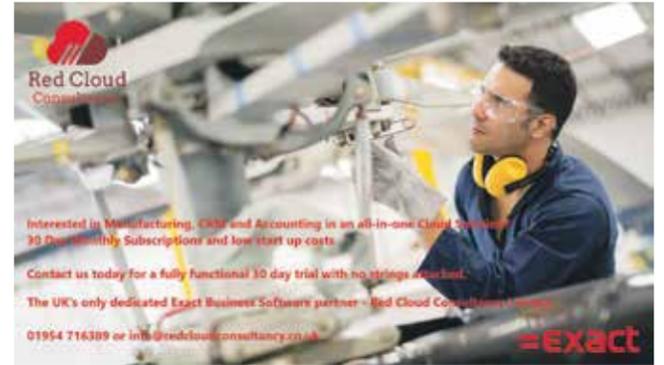


a much-needed experienced Exact software partner to the field. "Prior to starting Red Cloud Consultancy, I worked for Exact and was directly responsible for the enablement of accountants and partners in the UK, Netherlands, Belgium, Germany, France, and Spain," explained Jamie. "I have over 20 years' 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.

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The UK's online retailer of hardware supplies

Within this issue of Industry Update we have selected leading online retailer Hardware Warehouse as our Hardware Solutions Company of the Month.



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.



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

HARDWARE WAREHOUSE

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

Building Products & Services Update

Preserving high standards

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.

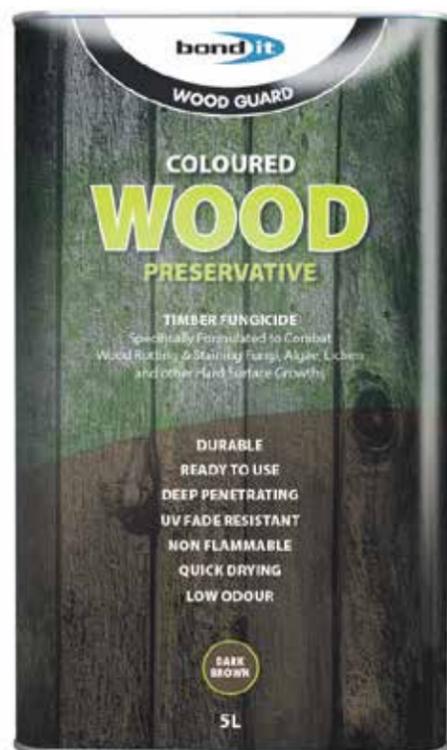
With recent EU legislation banning ingredients such as propiconazole, products containing this active ingredient are currently being phased out throughout the industry. In response to this, Bond It has introduced a Coloured Wood Preserver that offers a water-based alternative containing no VOCs and no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



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

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 being offered 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

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Plant expansion at BASF Antwerp: Digital plant documentation speeds up loop checks

Every time a process plant is newly built, modernised or expanded, its reliability has to be exhaustively tested before it can go into operation. Plant constructors or operators implement loop checks to ensure that all loops are functioning correctly, that the sensors and actuators assigned to them are correctly parameterised and that they are interacting as planned. Plants in the process industry often have several hundred loops that need to be tested by consistently following checklists. If several teams are working in shifts in order to speed up acceptance, it is almost impossible to keep an overview with paper checklists. In this situation, digital plant documentation is the remedy.

Anyone who has been involved in commissioning a plant in the process industry is familiar with the time-consuming procedure: checklists are generated (as far as the plant planning tool allows) for the loop checks which are one of the essential preliminaries. Then all loops have to be rigorously tested in the field. The results are noted on the checklist. At the end of the day, each employee returns a stack of checklists to the project manager. Depending on the size of the project, he accumulates files full of documents which he has to go through if he wants to get an overview of the present status of the project. If testing is being done in several shifts to speed things up, a proper handover from one shift to the next is basically not possible. If shift work is not used, it would be possible for the project manager to catch up on his overview after work – overnight, so to speak – and then prepare the test assignments for the next day. However, this is extremely laborious, and who wants to manage a project by working a night shift for weeks?

Everything is a great deal easier with the digital plant documentation tool LiveDOK NG by Rösberg. Many plant constructors and plant operators use the tool for documentation in the operational phase. It renders valuable services in commissioning, Factory Acceptance Tests, and of course loop checks: during checks, the tool enables data to be directly digitally recorded, meaning that the project manager has an overview of the test status in real time. This enables good planning and the effective deployment of employees, and has a determining influence on the time management of a project. "I assume that by using the software, the time for loop checks can be cut by as much as half, depending on the application concerned," says Helge Laubach, Account Manager Plant Solutions at Rösberg.

Digital checklists give an overview

How does the digital documentation tool support loop checks? With I&C-CAE planning tools like ProDOK, for instance, (see Technology Text Box 1) checklists can be generated for the stored loops. These are transferred to LiveDOK in PDF format. The project manager then distributes their individual tasks to the



Helge Laubach, Account Manager Plant Solutions at Rösberg, says, "Using the software can save up to half the time for loop checks, depending on the application concerned." (Copyright: Rösberg)



Loop checks in view: With digital plant documentation, project leaders always have an overview of the current testing status. (Copyright: Rösberg)

Technology Text Box 1: The I&C-CAE System ProDOK

Modern process plants can only be effectively operated if the data from the engineering phase are also available for operation, maintenance and modernisation. As-built plant reality has to reliably match the documentation at all times. Only if all data are consistent can costly new entries and the unnecessary use of engineering resources be avoided. This is exactly where the I&C-CAE system ProDOK comes in. It ensures an integrated planning process with unified rules. Because all the data are collected and exchanged within the same system, there is no more trouble with tiresome data transfer errors. Functions include basic and detail planning, functional planning, implementation planning and installation planning for new construction projects, plant alterations and extensions, as well as operational support, covering the whole life cycle of a plant. By its continuous, consistent documentation ProDOK ensures that the documentation really does reflect plant reality at all times. In combination with the real-time documentation system LiveDOK, it enables the complete documentation to be centrally administered and maintained, simply and inexpensively. The result is a significant improvement in quality and efficiency, plus substantial savings in terms of time and costs. Security of investment is ensured by wide acceptance of the system in the process industry and the use of state-of-the-art software technology.

employees who are carrying out the tests, usually via a tablet. When working through the tests they can tick off the individual steps on the checklist, and also stamp the document appropriately. And with LiveDOK a differentiated status like e.g. 'installed', 'tested' or 'released' can be assigned individually to documents, depending on the project in hand. This enables people working on the project to see the status without having to open the document. When the installation of a plant component is completed, the employee assigns, eg. the status 'installed' to the document. Ideally, the employee carrying out the test is connected to the company network during testing.

His changes are then not only stored locally on his operating station but also centrally on the LiveDOK server. This gives all employees access to the current data of the plant documentation. For the project manager this means, for instance, that he can generate at the touch of a button an overview of which plant components already have the status 'installed'. Thus rather than having to wait until the end of the day's testing and then work through countless lists, the project manager receives the exact up-to-the-minute status while the tests are running, and can plan accordingly. If the tests are taking longer than anticipated, more manpower can be brought in at an early stage. This makes sense particularly if plant modifications are planned to be carried out during a strictly-defined time window – eg. a scheduled plant downtime.

Use Case BASF Antwerp

At BASF Antwerp, two new plant sections for the production of aniline and nitrobenzene were added at the end of 2018. When the extension work was



LiveDOK Web can be used on a wide range of mobile devices because it is independent of any specific operating system. This means that during testing, changes can be entered in the digital documentation directly on-the-spot. (Copyright: Rösberg)

completed, around 300 loops had to be tested in the field. For this BASF used the digital documentation tool LiveDOK. To avoid the use of paper altogether, the testers worked with tablets. This enabled them to enter all the necessary information directly on-site. Once a loop had been successfully checked, the relevant checklist received the appropriate status.

If changes had to be made to individual I&C devices, these could be directly noted using the redlining palette of the documentation tool. These checklists were then returned to the planning office where they were checked, the noted changes taken over in the planning tool and a new documentation without redlining generated. This procedure has already proved very advantageous in practical use, because it simplifies the work, gives better results and also substantially reduces the time needed for the checks.

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

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.

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. Therefore the automation experts have now created LiveDOK Web, a solution that is operating system-independent and web-based, and can be used on a wide range of different mobile devices. Users do not need to install any software in order to use the web application; they simply need an internet browser on the relevant operating device. The software solution is designed for touch operation, and works independently of the operating system, so it can be used equally well with Windows, Android or iOS devices. The user interface is responsive, ie. it adapts flexibly to different display sizes.

Making life easier for plant constructors, too

A digital plant documentation system that can be used directly on-site on mobile end devices does not only simplify plant operation. A solution of this kind can also be very useful at the commissioning stage. It makes plant constructors' work easier, and enables them to deliver the as-built documentation to the plant operator promptly following commissioning. In many cases this is not just "nice to have" – it is an essential requirement. Many contracts specify that a project will only be regarded as completed, and will be only be paid for, once the current documentation has been handed over. With digital plant documentation tools, changes can already be made to the original documentation during the test phase, and the as-built documentation can be delivered directly after completion of the loop tests.

Contact

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info.ka@roesberg.com
www.roesberg.com
www.LiveDOK.com



Dipl.-Ing. (BA) Martin Dubovy, Head of Plant Solutions at Rösberg Engineering GmbH

ESL restructures its business to launch unique and effective Hand Sanitisers

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.envsciencgroup.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@envsciencgroup.com
www.envsciencgroup.com



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."

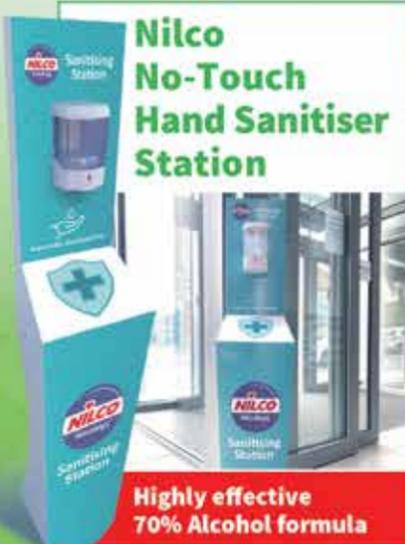
For more information and to see our products being used by Nuovo Restaurant, please visit: www.Nilcouk.com or call 0161 764 5981.





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70% Alcohol formula**



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counters, tables & more**



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rooms in minutes**

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Made in the United Kingdom

Trusted by professionals™

Premium milk vending machines & bottles

Industry Update is proud to announce that Daisy Vending has been selected as our Milk Solutions Company of the Month.



Part of Elite Dairy Services Ltd, Daisy Vending

was initially set up to provide a range of milking solutions to dairy farmers throughout the UK. Now, the company specialises in the manufacture of milk vending machines, offering bespoke packages which include vending machines, pasteurisers, milk cooling tanks, milk skimmers and creamers. Daisy Vending can also provide glass bottles in a variety of sizes, printed to the customer's own design. There is also an option of a vending machine for these bottles,



as well as a refrigerated version to allow the sale of other items.

Owned and run by John Baldwin, a qualified Dairy Engineer with over 10 years of experience in the industry, Daisy Vending is primed to help you set up your next venture in milk vending, offering the most technically advanced milk vending machine on the market.



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 design, with a built-in security alarm as standard. What's more, the vending machines feature a dual tank system to offer two milk types from one machine, as well as automatic tank switching resulting in less down time



and more sales.

The 200L and 400L milk vending machines certainly offer some of the most advanced features on the market, with the option of being able to view and control the machine from anywhere in the world. They can also be fitted with a variety of payment options, including coin, contactless, or a combination of the two. This is in addition to a free vend option for inside shops and cafes.

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. Looking 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 everything 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

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, Willemin-Macodel from Switzerland, Hembrug 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 everything 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



Packaging Innovations Review Top 20

Sustainability debate moves forward

Carbon emissions and sustainable packaging were the main topics of conversation at Packaging Innovations 2020, which returned to Birmingham's NEC from 26-27 February.

While exhibitors showcased the sector's latest developments and technologies designed to lower packaging's carbon impact, the two-day seminar programme featured the latest industry thinking, with the likes of DEFRA, Coca-Cola, Britvic & Carlsberg taking a deep dive into sustainable packaging and discussing how brands can get consumers to play their part in recycling.

New for 2020 was the BIG Carbon Debate, which ensured that the sustainability conversation continued to move forward. The newly designed seminar session facilitated important and necessary discussions.

The Debate also saw experts from the likes of British Plastics Federation, Veolia, WWF, MPMA, University of Sheffield and City to Sea tackle one of the industry's most contentious topics – whether banning plastic packaging in the UK would impact the government's plan to achieve its carbon-zero targets. Ultimately, the audience voted in favour of the movement,



agreeing that banning plastic would impact the government's ability to meet its carbon targets.

The next Easyfairs packaging event will be Packaging Innovations & Luxury Packaging, which takes place at London's Olympia from 8-9 December 2020. The Birmingham show returns to the NEC next year from 3-4 March 2021. This is our pick of the best exhibitors from this year's show, listed here in alphabetical order: Aegg Creative Packaging, Berry M&H, Bruni Erben, Foxpak, Inka Pallets & Rotech Machines & YES Ltd. Further details can be found on this page and the front page.

www.packagingbirmingham.com
www.packaging-london.com

Aegg Creative Packaging

Aegg showcased its ranges of recyclable food and drink packaging solutions, which includes:

- ▼ Glass jars and bottles for food
- ▼ Glass bottles for drinks, mixers, water, juices and soups
- ▼ Glass table-ready
- ▼ Bespoke glass and plastic packaging for food or drink
- ▼ Recyclable plastic pots and sharing bowls with lids for desserts, starters and salads

Aegg has grown to become one of the top 5 UK importers of glass packaging for food and drink and is engaged in a programme of continued investment in the UK. After investing £6m in its

glass-related infrastructure since 2018, Aegg offers customers packaging storage facilities in its 9,000m² warehouse in Suffolk, and a new logistics service with its own transport fleet, transporting Aegg packaging between docks, warehouses and customers.

Aegg's manufacturing facility enables it to produce recyclable plastic pots including lightweighting options (reducing the amount of virgin plastic used) and plastic pots with 30% recycled content to meet upcoming plastics tax guidelines, including 30% rPET.

To find out more about Aegg, visit call 01722 416401 or visit: www.aegg.co.uk



Ensuring quality recycled content

To meet consumer demand for packs with a strong environmental profile, Berry M&H is able to incorporate both post-consumer recycled (PCR) and post-industrial recycled (PIR) plastic into its range of packaging solutions, with between 25% and 100% recycled content.

A critical requirement for the use of recycled material is that every pack delivers the same high standards in terms of appearance, performance, and functionality. Key to achieving this is consistency and reliability of supply.

As part of the Berry Global group, M&H has access to material produced by sister company Plasgran, one of the UK's leading recycler of rigid plastics. Based in Cambridgeshire, not far from M&H's principle manufacturing sites, Plasgran has a reputation as a best in class recycler, recycling nearly 50,000 tonnes each year.

The company's state-of-the-art recycling plant features the latest advanced equipment, including shredding and



granulating machinery with metal detectors on the conveyors to ensure material quality and purity, a custom-built washing and drying plant, and its own bespoke separation plant with fully automated equipment that is capable of sorting by colour and type and cleaning large volumes of waste plastic.

All this underpins a certainty of supply for Berry M&H and its customer base that is necessary to service the market, particularly at a time when demand is growing exponentially.

T +44 (0)1502 715518
www.mhplastics.com

Foxpak teams up with PS Coffee

Foxpak Flexibles Ltd, pioneer in sustainable flexible packaging, has launched Ireland's first digitally printed coffee pouch made from compostable materials in collaboration with PS Coffee Roasters.

Since 2017, foxpak has invested over €160,000 in the development of alternative sustainable materials as replacements for conventional mixed plastic laminates. Its aptly named Generation Green includes options of compostable, widely recyclable and plastic-free paper laminates, which can be printed and converted into pre-made flexible packaging formats such as films, bags, pouches and sachets.

For the past 2 years, both foxpak and PS Coffee Roasters have researched options to transition from traditional plastic coffee bags to a more sustainable packaging option. After making initial



contact in November 2018, both companies began working closely together to validate and launch Ireland's

first ever digitally printed coffee pouch made from compostable materials.

Established in 2015, PS Coffee Roasters' passion is providing good coffee to good people while protecting the environment in the process. With sustainability at the heart of the company, the launch of its new compostable coffee bags is another step in the right direction for its sustainability agenda. Simon, part owner of PS Coffee Roasters, states, "Seeing our product come to fruition was such a joy. Now we can offer our customers top quality coffee in a gorgeous practical bag that makes sense for the environment."

To find out more about PS Coffee Roasters, visit the website at: www.pscoffeeroasters.ie
For more information on foxpak's Generation Green range of sustainable packaging, contact: sales@foxpak.com or visit the website at: www.foxpak.com

Rotech spreads the word on new tech

Coding and marking specialists, Rotech Machines, recently showcased an exciting new range of Seiko thermal inkjet technology, which enables food and drink manufacturers to eliminate all carton labelling and barriers to recycling.

A future star will be Rotech's 200th Special Edition RF Lite. Introduced for the first time at Foodex 2016, the simple, low-cost offline carton feeder halves the cost of entry level automatic coding machines, allowing companies to automate their date marking process for the first time or apply as a dedicated marking system on production lines.

With sustainability and recyclability being primary drivers for food and drink producers, Rotech's new Seiko thermal inkjet printers allow customers to print in high resolution on both primary and secondary packaging, on areas of up to 500mm wide.

Until this point, labels and the use of oil-based inks, has made cartons difficult to recycle. The new Seiko printing technology not only saves on the cost of labels and the associated labour costs, the printed cartons can now be widely recycled.

In addition to the sustainability benefits that the Seiko



printer has to offer, its FREEFLOW™ on-demand ink system is completely maintenance free; the non-pressurised ink tank eliminates nozzle leaks and mess as the internal pressure is always be equal to the external environment.

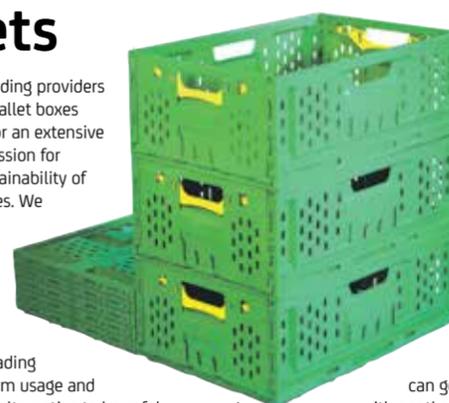
T +44 (0)1707 393700
sales@rotechmachines.com
www.rotechmachines.com

Inka Pallets

Inka Pallets is one of the UK's leading providers of reusable and export pallets, pallet boxes and small containers, designed for an extensive range of industries. We have a passion for improving the efficiency and sustainability of the supply chains of UK businesses. We aim to achieve this in a number of ways.

Firstly, by committing to an environmentally conscious product range, that incorporates recycled materials and market leading durability – guaranteeing long term usage and offering customers a responsible alternative to harmful single use plastics.

Secondly, by supplying products that significantly reduce the space, weight, and cost of storing and transporting goods – like our innovative range of folding crates and pallet boxes, which deliver an economical alternative to the traditional



rigid models and corrugated alternatives, through cost savings on return trips.

Finally, we are committed to ensuring that the products we supply are responsibly recycled at the end of their service life, and work with recycling partners throughout the UK to provide certified recycling of our products at the end of their service life, so that our products

can go on to become another product with another service life. With large stocks and a haulage network able to deliver to your door within 24 hours nationwide, we are ready and waiting to help you and your business move things forward.

T +44 (0)1277 811085
www.inkapallets.co.uk

Print faster, larger and better

The UV printing market extends from simple product decoration to complex additive manufacturing. Its flexibility means reduced waste, less inventory, accelerated workflow, full colour process printing to a multitude of substrates with variable data imprinting.

The iUV models are designed to print anything on just about everything; they are ideal for use with standard materials like cardboard, plastic, wood, glass and metal, as well as products like USB sticks, smartphone cases or distinct items like guitar cases, water bottles and more! Their celebrated image quality makes them ideally suited for packaging, giftware, souvenirs, 3D effects, displays, signage, individual parts decoration, prototyping, industrial marking etc.

The iUV-600s and iUV-1200s deliver exceptional photo realistic colour through their 6 independent colour channels. In addition to unmatched material size and thickness capabilities, the printer utilises CMYK, White and Clear inks for stunning special effects, including textures and simulated embossing. It all adds up to powerful visual impact, industrial parts, art, promotional products and one or two-sided signs with variable data.

The iUV-600s and iUV-1200s are absolutely remarkable for anyone requiring high quality UV printing to big and small sized packaging solutions. Virtually any substrate in the industrial branding market can be printed on using the Compress iUV printers, and achieve the results you are looking for. They are low-maintenance, flexible and production-ready – just the machines you need to solve current production issues, as well



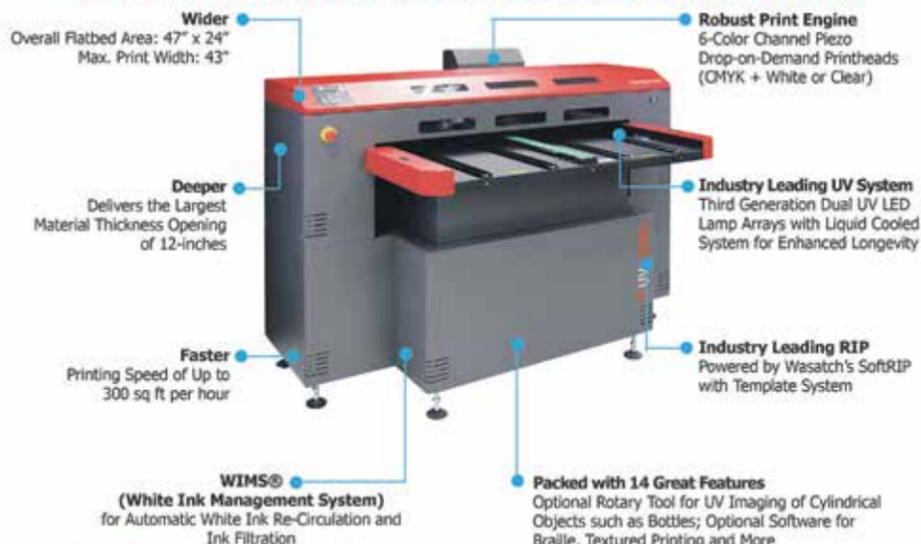
as to attract new business and customers.

Why not book in for a free demonstration at YES Ltd's showrooms in Nottinghamshire?

See firsthand what your business can achieve with Compress iUV Printers. Call today on 01623 863343 or email: hello@yesltd.co.uk or visit: www.yesltd.co.uk

Compress iUV-1200S UV Flatbed

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01623 863343 hello@yesltd.co.uk www.yesltd.co.uk

LabelSaver™ nominated for Packaging Award

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 table top coater for applying 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

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Call our team

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.

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www.pfmplus.co.uk

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, the solution uses laser to provide a fast and highly efficient method of applying variable information, such as barcodes, date & lot codes, QR codes, graphics and sequential batch numbers, onto corrugated boxes and shelf ready packaging (SRP). Delivering high contrast, high quality, durable codes that do not smudge or rub off, laser technology means less product recall and rework required when delivered to the retail store and consistent product and packaging traceability in transit, a prerequisite in the current environment.

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

MACH Exhibition Preview

MACH has been rescheduled to 2021 with the 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 specifies with suppliers 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, innovating 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

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 been proven to increase tool life by up to one-and-a-half times. Multiplied over many expensive tools, that can add up to a significant operational saving.

FUCHS unveils a new member of the product family, ECOCOL 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 tooling costs when using the latest ECOCOL 'Global' platform with existing tooling. Greater savings can be realised when tools are optimised for the process. In other studies, tool life increases of up to 150% have been recorded.

"In the FUCHS UK R&D laboratory, cutting speeds have been increased to provide real benefits in productivity



while maintaining excellent tool life. The rate of metal removal can also be increased. Results have indicated a 16% increase in cutting speed is possible.

"We are proud to lift the lid on our latest product – ECOCOL GLOBAL 20. This is set to be the most innovative fluid yet to be introduced into the market."

T +44 (0)1782 203700
ukwebsite@fuchs-oil.com
www.fuchs.com/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 servicing, 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 rewires. 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

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to bring your press shop equipment 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 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

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 DX510 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 lasers 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



build professional lasting partnerships with esteemed international companies too. Waterjet Corporation's headquarters are in Monza (Italy) with branches located in Elgin-IL (US) and in Dubai (United Arab Emirates).

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 digital 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 reseller of BigRep Large Scale 3D Printers as well as the UK distribution partner for Syil 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 extruders, 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 SYIL.

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

AFM 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, AFM Europe supplies a large range of machinery and is the sole distributor for Ermaksan Machinery. Demonstrating a strong understanding and expertise of its machinery, AFM Europe is

able to provide advice on the right machine for the customer and ensures it look after its customers from initial enquiry to after sales services.

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

For any further information, please see the details below.



Contact
T 01670 735434
www.afmeurope.co.uk

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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 for many major brands. This means we can offer a service to cover all drives on any customer site/plant, no matter what type of drive is their preference," explained Kevin Brown, Managing Director.



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 downtime, 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



and download job details and maintenance history 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 10 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



CRIMPER-S makes your spiral bound manuals, booklets and school diaries stronger

SWIGRAPH



This is a simple, pneumatic SWIGRAPH Table-Top that functions with all standard pitches like: 6mm – 6.35mm (4:1") and 8.47mm (3:1"). Only 1 pitch is available per unit, other pitches must be bought in addition.

CRIMPER-S needs 230V single ph and works with compressed air (small SILENT compressor can be provided by us – or the user).

Function: Both ends of your spiral-bound booklet (min. 12-14mm Ø) are cut & 'double-bent' simultaneously by CRIMPER-S, thus strengthening the entire bound booklet for a longer period of use (ask us for a free sample).

CRIMPER-S functions with any spiral wire of 0.8mm to 1.1mm Ø.

SWIGRAPH AG

Tel: +41 55 243 20 60 Email: bind@swigraph.ch

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 spools, Double Loop pre-cut lengths, calendar hangers, METAL wires (400Kg spools) 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 again provide over 10 to 20 years of dependable service for the user," said Mr H. Boyadjian, CEO.

A few years ago, SWIGRAPH introduced and exported its Double-Crimp system for metal spiral binding. The 'CRIMPER-S' is an economical, offline system which double crimps both ends of spiral bound manuals, booklets, and diaries, making them far stronger. This is highly popular for school

diaries and industrial manuals, as both must undergo heavy wear and tear through daily use. As a simple, pneumatic tabletop machine, the CRIMPER-S functions with nearly all standard pitches and needs only simple 230V electric current, using a small silent device for compressed air. SWIGRAPH also recently introduced in-line crease and punch auto-equipment for large volume table top calendars.

In addition to its high quality and robust equipment, one of SWIGRAPH's key benefits is its dedication to working out the best solution for its clients. The company understands that each bindery has different requirements and concerns, affecting which product will be most appropriate to their situation. "We believe that each client has their own specific way of solving their problems, and we should offer as exactly as possible what they visualise in the most economical way to fulfil their wishes," Mr H. Boyadjian elaborated.

With its eye constantly on the latest trends, SWIGRAPH ensures 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.

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

LAMMA '20 Review Top 20

LAMMA's sell-out show

LAMMA's return to the NEC in Birmingham at the beginning of January 2020 produced an even bigger and better show than the year 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 all-indoor event were quickly dispelled as visitors flooded through the gates on 7 and 8 January.

Overall, numbers ended slightly up on the year before, topping 40,000, drawn by more than 700 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 a place to exhibit cutting edge technology, including precision farming hardware and software, and agronomy and livestock management 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 1842 Cory Brothers have lived through many world changing events. Throughout the lockdown it's been 'business as usual' and having dealt with the agro-farmer sector for over 50 years, we could not and would not let anyone down.

Cory Brothers manages the import and export of ALL farming equipment worldwide no matter what the size – every trade lane and on every mode. With clear pricing, honest service and quick communications, Cory service can be relied upon on. Cory Brothers is your agro-farmer supply chain partner of choice



Photo © Mike Bowden

throughout the UK and around the world. Your goods are treated with care.

Cory Brothers, 8th Floor, St Vincent House, 1 Cutler Street, Ipswich, Suffolk IP1 1UQ
T +44 (0)1394 601129
sales@corybrothers.com
www.corybrothers.com

Murray Machinery Ltd

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



We have an extensive product range of over 40 machines with numerous variations such as bale handling equipment, muck-grabs, grain buckets, push-off buckrakes, 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 at the Royal Highland Technical Innovation Awards 2020. The purpose of the Murray Gravel Road Grader is to reinstate gravel roads which have fallen into a state of disrepair, to a new and pristine condition.

The grader has options of hardox edges,

hydraulically operated ripper teeth and a hydraulically operated tilting frame. The Murray road grader also has a new addition of a rear packer roller. The Murray road grader 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.com

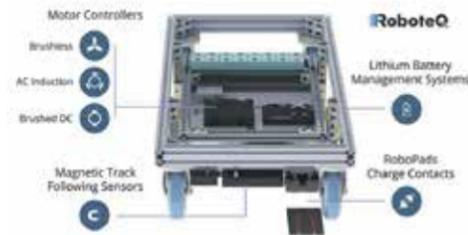
Test, Measurement, Process & Control Update

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 for Brushless, AC Induction, and Brushed DC motors. These high-performance controllers are loaded with numerous features, operating modes, built-in scripting language, and connectivity interfaces. Several models are available, from 30 to 120VDC and 20 to 450A. They are therefore ideally suited for battery operated systems. The Roboteq controllers are fitted with many safety features ensuring a secure power-on start, automatic stop in case of command loss, Safe Torque Off (STO), overcurrent protection, and overheat protection.

Roboteq also offers a range of sensors for Automatic Guidance. For example, the company's MGS1600 is the industry's most accurate and easy-to-use 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 Systems, and the company's Patented Robopads magnetically



activated charge contacts.

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 at the heart of over 10,000 original robot designs around the world.

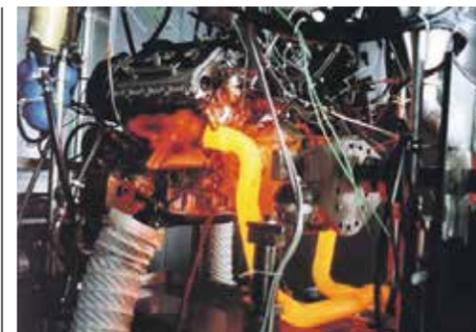
Contact: Urs Witzig, Marketing Manager
T +41 44 877 35 02
urs.witzig@pewatron.com
www.pewatron.com

Interface Force Measurements launches DDM's innovative range

Interface Force Measurements is pleased to launch DDM's innovative range of small form 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
- ▶ Crankcase pressure
- ▶ Tank vent 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

100 years of business

Kingston Engineering is one of the UK's leading manufacturers of bespoke power screws. Based in Hull,



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

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

The 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.

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

KINGSTON ENGINEERING

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- ▶ Ex stock power screws & nuts
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- ▶ Self-reversing screws and followers
- ▶ Specialist leadscrew & power screw products
- ▶ Accredited by Aerospace, Nuclear & Chemical customers

Kingston Engineering Co. (Hull) Ltd
Pennington Street, Hull, East Yorkshire. HU8 7LD. UK
Tel: +44 (0)1482 325676
email: sales@kingston-engineering.co.uk
www.kingston-engineering.co.uk

LABTEX™

Labtex supplies leading laboratory products including HUBER liquid temperature control systems, DIEHM glass reaction systems to 100 litres, PREMEX and AMAR high pressure autoclaves, POPE wiped film or short path evaporators and distillation systems, Nutsche filters dryers, BOLA labware in PTFE and other technical plastics, Vacuubrand vacuum pumps, ASECOS storage solutions for hazardous materials to BS EN 14470-1 and SICCO desiccators.

We also work with LLG Germany, the 3rd largest lab supplies distributor in Europe 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 actuation, communication and control systems for the energy, marine and process industries," Jenny stated.

Imtex Control's products are suitable for both on/offshore 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, IIoT 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.



"We pride ourselves on the quality of our products. This high standard means our products have a proven durability and reliability of long service life, and therefore a longer lifetime value. We generally only receive Camtorc Actuators back for basic maintenance after about 30 years of service on a rig!" Jenny stated, "We endeavour to make sure our products are unique and designed by our engineers to be specific to the industry that they are operating in. We also provide bespoke engineering solutions for customers who have a specific issue that needs to be solved and can't buy a product 'off the shelf'."



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. As 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 IIoT 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. EHAs eliminate the need for separate hydraulic pumps and tubing, simplifying system architectures 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."



T 08700 340 002
www.imtex-controls.com

We make *Solutions*...
...not just *products*



Reduce unscheduled shut downs, reduce maintenance costs and improve plant safety with our Valvescan Diagnostic Monitoring System.

Our revolutionary system is an end-to-end solution that captures data from every valve operation, analyses it and provides targeted alerts on the valve health without any requirement for involvement from plant personnel or any potential impact on the asset real-time control integrity.

It is a true IIoT solution for automated valves.

This system is not only a pioneering development in valve monitoring, it is also;

- Cost effective and easy to install
- Works with all existing valve systems
- Enables data retrieval and transmission to the cloud
- Provides a 'real time health' check on the valve and alerts when performance drop off is detected

Contact us to find out more:
08700 340 002
www.imtex-controls.com



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 up the profound challenge of creating an aesthetically 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, footsteps, chair positioning and hand-washing icons. They provide a highly visible and easy to follow guide for employees returning to work.

www.millikencarpet.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) 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 integral chinguard protection. 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 GS-ET-29, providing eye and face protection against a risk of a fault arc: GS-ET-29 Class 1, 4kA (155KJ/m² or 3.7 cal/cm²).

www.jspsafety.com

Disruptor RA Tech UK Ltd unveils a world's-first product

- ▶ hotun detect! The world's first in-tundish water alarm unit
- ▶ Saving on wasting water and energy

RA Tech UK Ltd are the company behind the innovative hotun dry trap tundish. They have now launched a simple but effective stand alone alarm unit that clips onto their hotun dry trap tundish in seconds, alerting them to issues with their boiler or unvented water heater, helping them save wasting water and energy.

A tundish is a device that allows the homeowner to see if there is something wrong with a boiler or hot water cylinder.

If any of these go wrong, and produce an excess of pressure (or temperature) a safety device (called a pressure relief



valve or PRV) releases a quantity of water as a warning. The tundish allows the home owner to see that water dripping so

they can then call a professional plumber or gas engineer to diagnose and fix the issue before unwanted and inconvenient breakdowns occur.

With the hotun detect alarm unit fitted, It IMMEDIATELY alerts the owner/user of any possible pending issues or dripping, months or even years before anything is noticed.

Managing Director and professional plumber of RA Tech UK Ltd (the inventor of the product) says, "We are very excited with this new product which we believe will potentially save households unnecessarily wasting litres of water."

For more information about hotun detect, please go to our website at: www.hotun.co.uk

EVOGuard® INDUSTRIAL VISOR RANGE

- ✔ Range of high performance industrial visors
- ✔ Fully compatible with EVOGuard® Browguard systems
- ✔ Fully compatible with *EVO® helmet models
*Not including EVO®Vista™ or EVO®6100 ranges

VISION

The optical class 1 visor offers a panoramic view with minimal distortion, ideal for comfortable all day wear.

COMPATIBILITY

EVOGuard® visors maximise compatibility with JSP half masks, disposable respirators, prescription glasses and the Sonis® helmet mounted ear defender range.

UV PROTECTION

Visor filters harmful UV radiation to protect the eyes whilst also offering high light transmission and enhanced colour recognition.

IMPACT

Five high performance visors offering up to A rated impact resistance when fitted to a safety helmet and fully compatible with EVOGuard® browguard for medium energy impact protection.

ELECTRIC ARC PROTECTION

EVOGuard® C5 MAX meets the requirements of GS-ET-29, providing eye and face protection against a risk of a fault arc: GS-ET-29 Class 1, 4kA (155KJ/m² or 3.7 cal/cm²).

COVERAGE

EVOGuard® visors provide comprehensive facial coverage without limiting movement. EVOGuard® MAX visors offer enhanced coverage with an integral chinguard.

www.jspsafety.com
uksales@jsp.co.uk Tel: +44 (0)1993 826050

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.

All the trolleys are fitted with all-terrain wheels and castors from world leading castor manufacturer, Blickle.

Metal and Modular's Design Director, Michael Brown, commented, "Our Auto-Brake range was designed to improve health and safety and reduce risk and we're delighted to have received BS EN 1757-3:2002 accreditation."

Contact
T 01327 343300
www.metalandmodular.co.uk



Smart, compact, safe – the door locking mechanism CTM

In 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.

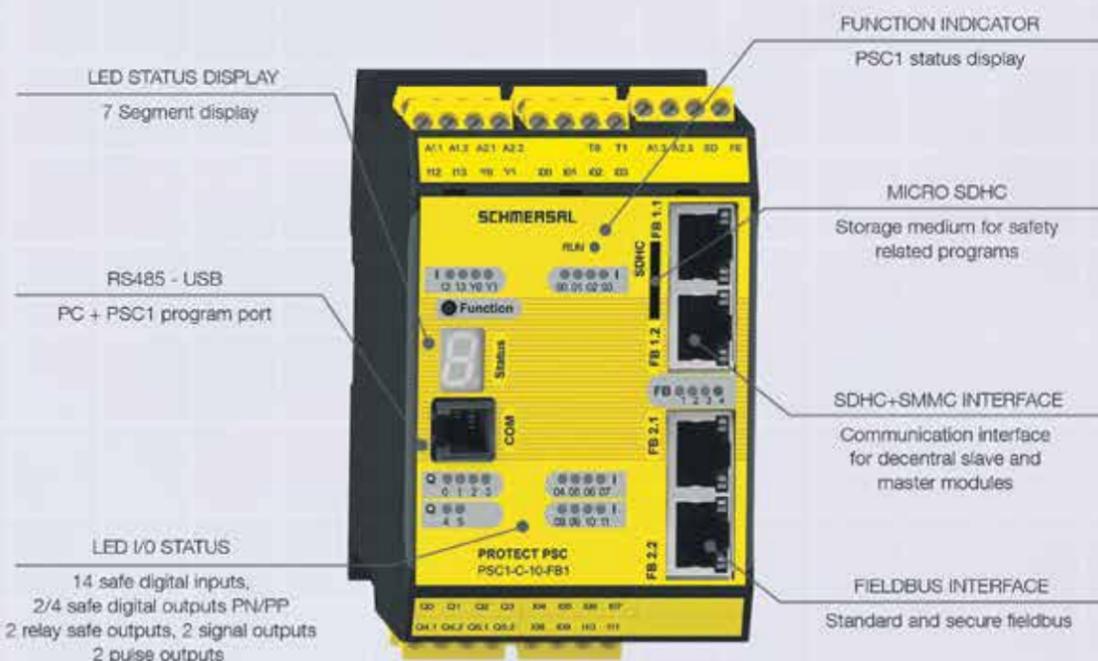


The bistable guard locking function of the safety switch CTM ensures that guard locking remains in its momentary state if the power fails or the installation is switched off. This will keep the door locked if it was already locked before. If guard locking was not previously activated, the door can be opened and closed as needed, with or without power being applied. This has obvious benefits, eg. 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
www.euchner.co.uk

PROTECT PSC1: Programmable modular safety controller



Schmersal is not only a manufacturer of safety components but also a system supplier.

The safety control system PSC1 consists of freely programmable compact safety controllers with I/O extension modules for signal processing of emergency stop switches, guard door switches, light grids and additional mechanical and electronic safety switchgear. Additionally there is the possibility via numerous functions to monitor axis. Using the universal communications interface a connection can be established to all the standard field bus systems.

With its combination of properties, the new safety controller from Schmersal is unparalleled, as the PROTECT PSC1 has unique features that clearly set this control system apart from other solutions on the market.

www.schmersal.co.uk / uk-support@schmersal.com / 01684 571980

Scan the QR code for more info



Latest fume extraction systems

New from Wilkinson Star is the F-Tech Fume Technology range of high vacuum fume extraction systems and welding torches.



The F-Tech Armour is a high vacuum mobile dust extraction system that extracts dust from manual welding and grinding processes. With high performance motor, choice of 3m suction Armoflex or Armotech cantilever arm, and user-friendly digital panel with hour meter and clogged filter alarm, it offers E12 99.5% filter efficiency and comes with 5 year warranty on 110 and 230V models.

The portable F-Tech Pocket extracts and filters fumes from welding processes, micro dust, vapours and odours. Weighing 20kg, it has a long handle and a 2m hose with plastic extraction nozzle, Filter efficiency is E12 99.5%, and it comes with a 2 year warranty. Wilkinson Star is the UK and Ireland importer of AER Service equipment, manufactured in Italy.

T 0161 793 8127
www.wilkinsonstar.com

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 summing up 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.



With the current uncertainty surrounding the Coronavirus, the impact on businesses and companies is astronomical

and WorkScreen wants to reassure its clients that its services are highly adaptable, dependable and flexible to help companies through this time. "With the uncertainty of COVID-19, our clients appreciate the visible and noticeable reassurance using WorkScreen provides for their staff, whilst maintaining their legal requirements for hearing tests and minimising the chance of transmission. Our handsets are easily cleaned between tests and can be left at your site for long enough to test staff when they are back in the office."

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.

T 0117 230 1717
www.workscreenuk.co.uk



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Leaders in offshore digital video & inspection systems



Within this issue of Industry Update, we have selected leading company Digital Edge Subsea, and have chosen them as the recipient of our Outstanding Achievement Award.

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 SD digital video recorder and inspection system; the EdgeDVR. The EdgeDVR was originally designed by a pilot and 3.4u inspector within the ROV and diving industry. Digital Edge Subsea wanted to provide an option for the market of a simple, standalone solution that fulfilled most inspection needs.



The EdgeDVR was specifically designed to aid pilots and inspectors and provide the client with the deliverable required. 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 housing subsea companies, including Tritech, 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.



Attended by John Benson and Tracey Lawson among others members of the team, the company enjoyed their time at the event that ran from 11-13 February 2020 in Aberdeen. Providing a platform for the company to showcase their new systems and gaining vital networking opportunities, the team were able to meet and talk with clients and potential clients and received extremely positive feedback on the new Version 5 Edge DVR.

For any further information on the company, please see the details featured below.
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