

INDUSTRY UPDATE

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Inside this Issue



Rubbermaid Commercial Products
Commercial Cleaning
See them on page..... 9



Quantum Design
Test, Measurement & Monitoring
See them on page.....10



Evomart
Heating, Ventilation & Air Conditioning
See them on page.....15

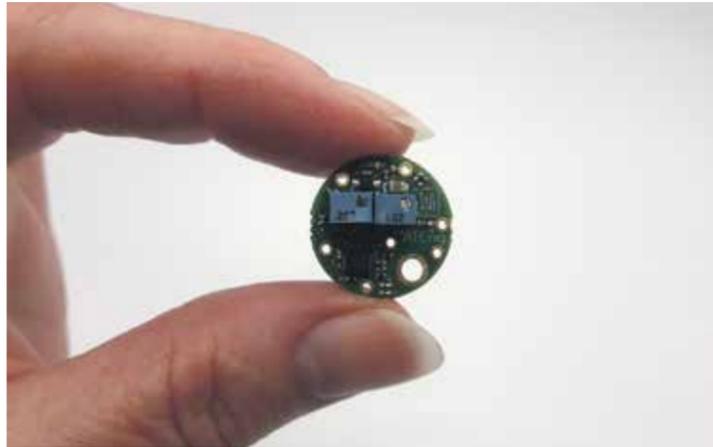


Saracen Group
Commercial Property
See them on page.....21

Contents

- 2-5** Editor Recommends
- 6** Electronics Update
- 7** Cleaning & Facilities Management Update
- 8** Industrial Update
- 9** Commercial Cleaning Company of the Year
- 10** Test, Measurement & Monitoring Update
- 11** Pumps & Valves Update
- 14** Building Products & Services Update
- 18-19** 3D Printing Update

3-Wire Ultra-Small Bridge Amplifier



The AS200501 is a very flexible ultra-compact board for 3-wire systems providing a current output (typically 4-20mA, but can be configured to virtually any linear gradient, ie. 0.2mA to 8.2mA, or even with mid-zero of 12mA for compression/tension transducers), designed to be mounted directly with the transducer. The unit has individual multi-turn potentiometers for the precise setting of Zero and Span. The inputs provide EMI-/RF-suppression along with a low-pass filter. Transducer wires can be easily connected to the board by soldering.

Features

- ▼ Wide range power supply 8V-30V
- ▼ Stabilised bridge excitation voltage
- ▼ Bridge resistance 350 ohm (or greater)
- ▼ Bridge sensitivity 0.2mV/V-10mV/V
- ▼ Ultra-small 18mm diameter, 7mm height
- ▼ Fast calibration procedure

Reverse-polarity protection

Applications

- ▼ Load-Cell Industrial Weighing
- ▼ Strain-gauge Load Testing & Monitoring
- ▼ Overload Protection Systems

Asset Instruments Engineering provides ODM (Original Design Manufacturer) products and OEM services in electronic manufacturing. We specialise in instrumentation products, supplying manufacturers of load cells, strain gauges, pressure sensors, hydrostatic transmitters, and many other system manufacturers with a wide range of products including Amplifiers, Digital Indicators and Wireless Modules to integrate into their products and systems.

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RWC's all new SharkBite Air & Pneumatics range cuts compressed air set up times by 50%



SharkBite, part of RWC's family of brands, now offers a new range of brass push-fit fittings and anodised aluminium pipe to simplify small to large commercial and industrial compressed air installations.

The highly reliable brass and plastic push-fit systems from RWC's SharkBite and JG Speedfit's brands complement each other to make installers' lives easier, improve efficiency and performance of air-rings, and reduce set up times by up to 50% in comparison to conventional methods.

Specially designed for small to large commercial and industrial applications, SharkBite has introduced a heavy-duty push-fit air piping system that can go up to 20 bar and exceeds industry standards for added peace of mind. This system is a welcome solution to traditional challenges in the

industry, such as lengthy installation times, pipework corrosion, pressure drops and leaks that lead to higher energy costs.

The brass push-fit compressed air system is available in sizes varying from 10mm up to 54mm, and includes a tamperproof design for secure demounting. The range also includes a 45° elbow for better air flow and reduced pressure drops in the airline.

The new SharkBite Air & Pneumatics solutions complement RWC's existing John Guest lightweight plastic push-fit fittings and pipe range designed for small to mid-size applications up to 10 bar, such as garages and commercial systems.

For more information on Compressed Air & Pneumatics solutions by RWC, contact: marketing.uk@RWC.com

Proud to help the NHS!

PFF's new line in PPE polythene aprons presented them with an opportunity to strengthen supplier relations. The Department of Health & Social Care contract has also enabled the business to source the additional goods, materials and services that were needed for the new venture. National Flexible is one of the latest suppliers to be welcomed on-board.



PFF's aprons are output to rolls during the production process at its Washington site. Each roll is individually film-sealed, and they use a flow wrapping machine supplied by another new supplier, Redpack Packaging Machinery, for this process.

National Flexible was nominated to provide PFF Health branded single web 35mic polypropylene film which is fed into the flow wrapper in which each roll is wrapped, sealed and separated. Usually a thicker laminate of different films would be used for this type of packing line due to the roll weight, but we recommended a cost-effective single web polypropylene which has the added benefit of containing a reduced amount of polymer.

Lee Wilkinson, Group Supply Chain Manager at PFF, had the job of sourcing

new suppliers who were able to help with the fast turnaround project. "PFF started scanning for additional UK based suppliers back in March this year. Consistency, quality and reliability are essential credentials. We chose National Flexible because they have a good track record on these key attributes. And I was impressed with their professionalism and friendliness. In a digital age, it is still true to say that people buy from people they like."

We are always delighted to work with another UK manufacturer and were delighted to be approached by PFF. We were particularly pleased to be able to contribute to the new venture and one that will benefit frontline NHS workers.

T 01274 685566
marketing@nationalflexible.net
www.nationalflexible.co.uk

JAI introduces the Go-X Series of small industrial cameras



JAI has introduced the Go-X Series, a new line of small industrial cameras providing extra reliability features, stringent dust screening, a starting price of €289, and a six-year warranty, the longest offered by any camera manufacturer.

The Go-X Series encompasses a total of 24 different models with a range of resolutions including 2.3, 3.2, 5.0, 8.9, and 12.4 megapixels. Interface options include GigE Vision or USB3 Vision.

For the image sensors, JAI has selected some of the most popular Sony Pregius CMOS global shutter sensors including monochrome and Bayer colour versions at each resolution. For the 3.2 and 5.0-megapixel USB3 Vision models, the Go-X Series lets users choose between the slower versions of the Pregius sensors – IMX265 and IMX264, respectively – or the faster versions – IMX252 and IMX250 – to achieve higher frame rates of up to 74fps for 5-megapixel resolution or 119fps for 3.2-megapixel resolution.

With small industrial cameras being utilised more and more in vision systems monitoring critical factory or warehousing operations, JAI has put extra emphasis on the reliability aspects of the Go-X Series. The cameras feature high shock and vibration ratings of 80G and 10G, respectively, and are designed to optimally dissipate heat to avoid breakdowns in typical industrial environments and under non-stop operating conditions.

camerasales.emea@jai.com
<https://insights.jai.com/go-x-series>
 www.jai.com

New range of hose assembly machines



Hydroscand has launched a new range of lightweight, portable hose assembly machines, suitable for service vans and portable applications.

The H16P, H24DC and H32DC have all had a lightweight revamp resulting in machines between 42-50% lighter than before – an important factor for weight-critical service vans doing multiple call-outs at peak times.

At just 10kg the new H16P Lightweight is the lightest portable crimping machine on the market. It's an impressive 50% lighter than the standard H16P, offering versatile field performance. It is suitable for hose up to 1 inch and its LED light and buzzer ensures error-free crimping. The crimping range is 45mm with a 95-tonne force.

For hose up to 1½ inch the new H24DC Lightweight is 47kg. It's 44% lighter than the standard H24DC and a great on-site choice. It features a crimping range of 61mm and an impressive 140-tonne force.

Lastly, the new H32DC Lightweight is 67kg – 42% lighter than the standard H32DC. It can safely handle hose up to 2 inch with its 87mm crimping range and a heavy-duty 200-tonne crimping force.

The new machines all have a special, high-quality, durable aluminium construction, which contributes to weight reduction, compared to the steel bodies of the standard models.

T 0800 0116 999
 info@hydroscand.co.uk
 www.hydroscand.co.uk

JSP's Forestry Helmet is now available

The new stylish EVOGuard[®]M Forestry Helmet offers excellent protection to the head, eyes, face and ears, and offers a balanced, comfortable secure fit during extensive movement whilst landscaping or carrying out forestry work.

This quality forestry helmet has been designed to be easy to clean and maintain even after the most arduous tasks.

Choose between two high performance stainless steel mesh forestry visors according to the task and price point, offering up to 80% visible light transmittance and F impact rating.

The EVOGuard[®]M Forestry Helmet employs an EVO[®]5 safety helmet, featuring an extremely robust ABS shell designed for superior protection with ventilation for cooling air flow. The easy to use Revolution[®] wheel ratchet and 3D



adjustment harness offers 1-2-3 point depth adjustment to ensure a perfect, secure fit to a wide range of head shapes.

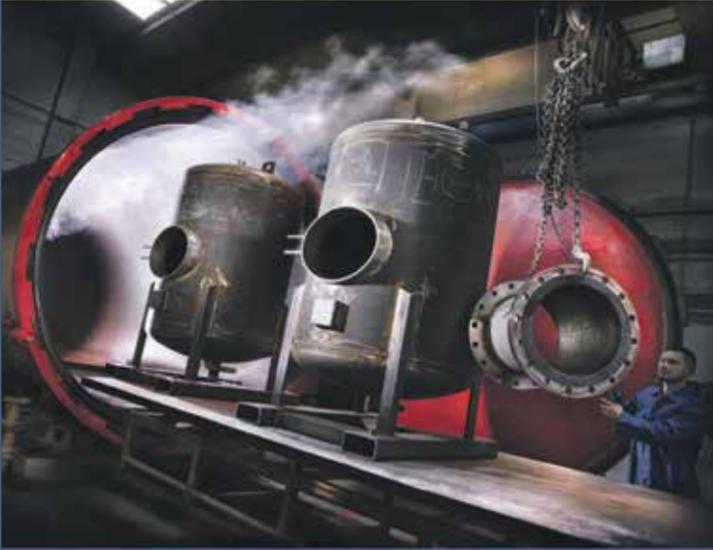
The EVOGuard[®]M Forestry Helmet features a secondary layer of integrated eye protection. Factory-fitted to each unit, EVOspec[®] polycarbonate retractable eyeshield conforms to EN166.1.F, and offers protection against harmful UV light, with clear and smoke lens variants available. The Sonis[®] helmet mounted ear defenders integrate seamlessly onto the helmet offering certified compatible hearing protection at 31dB SNR.

The EVOGuard[®] Forestry Helmet conforms to EN397, EN166, EN1731 and EN352-3, and is fully compatible with a range of JSP PPE, including the Force[™]8 PressToCheck[™] respirator and the Springfit[™] disposable masks.

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New coating from DataLase provides high humidity solution

Global coding and marking specialist, DataLase, has produced a water-based flexographic (WBF) high humidity coating for use in the paper and corrugated printing industries. DataLase WBF High Humidity Coating is particularly relevant where high humidity is a factor in post-print processes, or lithographic presses equipped with water based coating units.

Developed as an alternative to print & apply labelling and high resolution inkjet printing of shipping data onto boxes (eg. GS1 compliant barcodes, variable price/weight information, variable contents/ingredients data), DataLase WBF High Humidity Coating has been optimised to provide unsurpassed product stability and excellent flow properties in geographical areas where high humidity is present.

Used in combination with an appropriate CO₂ laser marking system, DataLase WBF High Humidity Coating delivers important sustainability benefits, by eliminating label backing waste and/or hazardous ink disposal from supply chains.



Commenting on the launch, DataLase's CSMO, Paul Dustain, said, "The high humidity coating is another example of DataLase utilising its technical expertise to develop and release an important supply chain solution, benefiting more challenging production environments at a time of significant increased demands."

To find out more about DataLase WBF High Humidity Coating, visit: www.data-lase.com/wbf-high-humidity-coating/

Engel high-viz workwear helps save the environment

A brand-new range of high visibility protective safety clothing with 50% of the material made from recycled plastic bottles has been introduced by workwear manufacturer Engel Workwear.

Called 'Safety Light', each item of clothing can be verified to consist of regenerated polyester fibres ultimately spun from a specific number of plastic bottles to make up 50% of its content. This is combined with 40% cotton & 10% standard polyester (245g/m²) to produce a cool-to-wear, durable fabric. By using regenerated polyester which is equally as efficient as new, there are also significant consumption savings on energy, water & CO₂.

The Danish firm has worked closely with Unifi, one of the world's most advanced recycling centres which transforms the recycled bottles into a polyester yarn called 'REPREVE®'.

The smart, mix-&-match range includes boiler suits (containing 37 plastic bottles), work-jackets (20 bottles), trousers (19 bottles) with Cordura kneepad pockets & elasticated waistband, bib-overalls (23 bottles) and shorts (14 bottles). All have many practical pockets & comfort-design features. There is also a specific selection especially for women called 'Ladies Light', all with the same benefits.



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www.engel.eu/en
<https://youtu.be/nc2se7xKKIE>

Waterblade: Exceptional low flow handwashing

We have developed and soft released our Waterblade Compact; this has a narrower flow at 100m, just 2.4 Litres/minute, and is designed for smaller basins and sensor taps. We are delighted to have secured our first order from RS components premises in France (we have already 'Waterbladed' two UK sites) where they are rolling it out to over one hundred basins. For the technical spec on our full range, contact: nigel@bamfordswaterblade.com

It is really easy to try Waterblade out:

- ▼ Email: nigel@bamfordswaterblade.com your address. We send you a free sample.
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Waterblade is WRAS approved and Listed as Best Practice by the Considerate Constructors Scheme.

www.thewaterblade.com

Adveco L70 ASHP for hot water with 70% less CO₂

Able to draw and transfer thermal energy from air, Air Source Heat Pumps (ASHP) under the right circumstances represent an efficient way to significantly reduce the carbon emissions of a building. Commercial hot water and heating specialist Adveco now extends its ASHP offering with the Adveco L70, a high capacity monobloc air-to-water heat pump.

Bill Sinclair, technical director, Adveco, said, "In conjunction with Adveco's bespoke application design, the L70 offers a comprehensive response for sustainable hybrid domestic hot water (DHW) and heating, providing high-efficiency, low-emission, low cost to operate systems."

Calibrated for the UK climate, the L70 operates with ambient temperatures of -20 to +35°C. When temperatures plummet, the L70 automatically provides built-in frost protection.

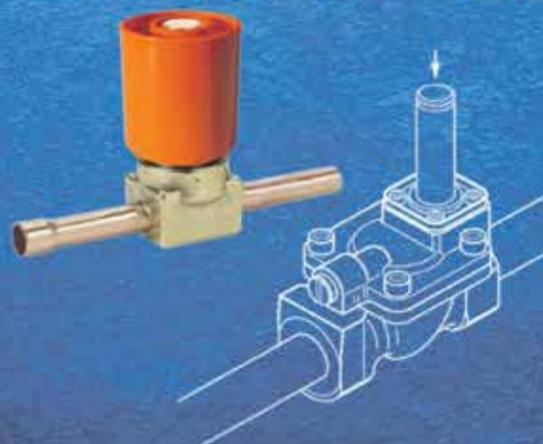
Achieving water temperatures up to 60°C, the L70 can



be used to supply preheat for hybrid applications with regular hot water demand. The L70 will dramatically lower CO₂ when analysed using the carbon intensity figures from the new SAP10. Compared to gas-fired systems the carbon emissions are reduced by around 70%, when using the SCOP of 3.47 (Ecodesign reference design temperature of 2°C for the UK and water temperature at 55°C).

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Editor Recommends

Megaman®'s new TEMPUS® range of emergency lighting products



Megaman has launched a new comprehensive range of easy to install emergency lighting solutions. Offering a variety of lighting systems from emergency slim bulkheads to spotlights and downlights, Megaman's TEMPUS® Emergency Lighting Series accommodates a wide range of applications including offices, schools, retail spaces, fire escape routes and public areas.

The new TEMPUS® range of lighting solutions includes high quality IP65 LED operated suspended and wall mounted emergency exit signs, LED exit light box and bulkhead solutions with optional pictogram exit signs and ultra-discreet recessed LED downlights and recessed spotlights. All products in the series are either non-maintained or come with both 3-hour maintained and non-maintained operation modes.

As part of the range, and to complement its pre-existing GU10 & TEGO Emergency Pack, Megaman has launched an Emergency Kit for LED panels. The Emergency Kit is a light weight, self-contained emergency conversion pack which offers up to three hours back-up for 36 to 50W LED light panels. Furthermore, the TEMPUS® Emergency kit is compatible with all dimmable and non-dimmable constant current LED drivers.

For further information on the Megaman TEMPUS® Emergency Lighting Series or to download a digital version of Megaman's new comprehensive lighting catalogue, please visit: www.megamanuk.com

Forced draught burner system

Manufacturer of plastic spill containment products, Romold, is benefiting from the latest process gas heating technology from Lanemark Combustion Engineering. The Lanemark FDGA forced draught burner system used in rotational moulding operations is delivering benefits in terms of both improved operations and greater energy efficiency.



"We have been happy to provide a maintenance and support service for Romold's existing burner system for a considerable number of years despite it not being one of our own designs," says Lanemark Sales Manager, Adrian Cadman. "Over time, this gas burner had reduced in efficiency and, indeed, some of the spares and consumables it can need had, effectively, become obsolete – so the gains that could be achieved by the new installation were clear cut."

A Lanemark FD30GAN-3 burner, rated at 1,320kW, together with a combustion air fan inlet filter, control system and associated pipework upgrade are all now operational at the site. The improvement in efficiency was evident from day one, according to the company's Production Planning Manager, Michael Adams.

"Our old burner would take some 45 minutes to reach the target temperature of 260°C, which has now been reduced to just five minutes," he says. "Heat distribution is also very even throughout the chamber which has a direct operational input on the quality of the product that is at the heart of our reputation."

The Lanemark burner fires through the wall of a Rotospeed machine within which a multi-directional arm, that supports the mould, moves to achieve the optimum flow of the heated crushed polyurethane pellets that are central to the rotational moulding process.

Contact
www.lanemark.com

Gen-C restores EDL's power at the height of the pandemic

When vandals damaged the CHP control panels at EDL's Wellingborough landfill site, rendering two Jenbacher 320 1 MW engines unusable, the country had just been placed into an unprecedented nationwide lockdown. Site managers anticipated significant downtime but thanks to a swift response from gas engine support specialist Gen-C, the upgraded engines were operational within just two weeks and are now performing better than ever.

The first engine upgrade was completed within two weeks, despite the Easter bank holiday weekend and restrictive COVID-19 working conditions, while the second took just eight days. Gen-C's engineers replaced the vandalised control panels with Motortech's advanced gas engine technology. Not only does this ensure improved reliability for the engines, it also provides remote access. In addition,



Gen-C upgraded the ignition and knocking control systems with the latest Motortech technology.

"The difference in performance is like night and day," confirms Paul Newman of Newman Electrical Services, main mechanical contractor for EDL Midlands. "The engines run much more smoothly and reliably, and the fact that we can monitor and restart them remotely has proved invaluable in recent months. Gen-C's professionalism and knowledge ensured a difficult situation had a positive outcome."

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james.thompson@gen-c.co.uk
www.gen-c.co.uk

Freephone: 0800 328 5492

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In rural areas without a mains drainage system, and where septic tanks will no longer reach environmental standards, Allerton can provide the ideal solution. Trading since 1974, Allerton are leading specialists in efficient treatment systems. They pride themselves on their individual, problem solving approach to dealing with alternative means of treating and disposing of raw sewage.

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COMBUSTION ENGINEERING

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FD-E low cost high turndown oven/dryer air heating burners.

FD-GA modulating gas + air process air heating burners.

Midco HMA high efficiency, high turndown, air replacement or "make-up" air heating burners.

TX high efficiency small diameter immersion tube tank heating systems.

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- Specifically designed for process air heating applications in convection ovens and dryers
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- High efficiency gas + air modulation, gas only modulation and simple high/low control options
- Heat Input Range: 9 kW – 1550 kW

TX Series Gas Fired Process Tank Heating Systems

- High efficiency (80%+) heating of all types of spray and dip process tanks
- Compact high efficiency small diameter immersion tube heat exchangers occupying minimum tank space
- Accurate performance modelling using Lanemark TxCalc design software
- Heat Input Range: 15 kW (1½") – 1150 kW (8")

Midco HMA Series Air Replacement or "Make-Up" Air Heating Burners

- Direct fired, high efficiency burner systems, for high volume air heating applications such as paint spray booths, ovens and dryers.
- Supplied either as Midco burner heads for OEM system integration or as Lanemark DB or FDB complete packaged systems including modulating gas valve trains and controls
- Wide range of firing rates to suit alternative temperature rise and air velocity system requirements
- DbCalc system design software

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www.lanemark.com

New hands-free wash basin

UK manufacturer Pland Stainless has developed a new Push-Pad washbasin designed specifically with a hands-free tap operation – a popular choice in the current climate.

The units are an adaptation of its popular Malta mini hand rinse basin, now featuring a Push-Pad front allowing hands-free control of the taps. It's a response to customer requests to minimise the risk of spreading COVID-19. This basin offers an ideal solution where there is not the budget or ease of installation for electronic taps. Pushing the front of this stainless steel basin, with just a little pressure, deflects the concealed valve and

delivers a 7 second flow of water. The valve offers an instant on, instant off feature, with no gradual flow of water.

There are two sizes available in this new Push-Pad handwash basin. The smaller option has an overall size of 308mm wide x 268mm deep and 165mm high (CWBMIN-P) and the larger is 345mm wide x 385mm deep and 200mm high (CWBMIN2-P).

These new basins are available from stock in Leeds for a speedy delivery to UK addresses. Call Pland Stainless on 0113 263 4184 to order or ascertain local merchant stock holding.



Mobile hygienic pump kit for high temperature viscous sauces



A traditional bakery established for over 50 years was looking to improve the way fruit jams, toffee sauce, fruit curds and whipped cream were transferred into process at temperatures up to 110°C.

The current procedure was to transfer sauces via totes or buckets. However the customer wanted to improve their process and automate food transfer, reduce the likelihood of burns or accidents and eliminate manual lifting and tipping of containers.

We worked with the bakery to customise a hygienic mobile pump kit with control panel enabling an operator to easily start, stop, control flow and reverse sauce transfer with very little training. Furthermore the pump kit was designed with a built-in alarm and controls to prevent accidental damage being performed to the pump.

Built in Hygienic Grade Stainless Steel, and with an internal finish to Ra 0.8um meant the kit was independently Hygienically Certified (3A), and suitable for automated cleaning and sterilisation (CIP & SIP) ensuring cross contamination was not experienced between batches. The unit also featured a control panel and motor shroud cover in Stainless Steel, improving the ease and speed at which the unit could be cleaned.

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Compatibility in PPE is not only about products fitting correctly, but also working correctly when worn together. Some products that fit together are not necessarily compatible in terms of performance.

To ensure products are suitable for use in combination, it is best to buy all PPE from the same manufacturer, who have developed the products to work together. JSP PPE is designed to be compatible across the range, offering complete above-the-neck solutions.

The popular EVO VISTA helmet is fully compatible with other JSP PPE, such as the award-winning Force8 PressToCheck respirator and Sonis helmet mounted ear defender range. JSP's Research and Development team were inspired by feedback received from users who regularly wear head and eye protection together. In addition to problems with compatibility, a common theme in the feedback was the amount of eyewear lost or damaged on site after being issued.

EVO VISTA is an innovative, feature-rich helmet incorporating optical class 1 faceshield or overspectacle. The eyewear is fully integrated, allowing users to retract and deploy as needed, which helps to prevent traditional safety eyewear being lost or damaged, saving companies money, time, and worry, while also allowing prescription spectacles to be worn safely.

EVO VISTAlens functions like a spectacle, offering protection to EN166 2C-1.2 FT, and the EVO VISTAshield conforms to EN166 2C-1.2 with impact rating of grade AT. Both products feature optical class 1 lenses, anti-mist and anti-scratch coatings, plus protection against impact at extremes of temperature, and UV radiation.

www.jspsafety.com

Addressing real challenges in the electrical testing market



Metrel is one of very few companies that develops and manufactures its products at a single location in Slovenia, starting with design and ending with final assembly, quality control and calibration. From its UK office in Epsom, Surrey, Metrel UK supplies its leading range of measuring and testing equipment to customers across the country, as well as providing repair, adjustment and calibration services.

Metrel's extensive range of instruments offer innovative solutions for testing and measuring, ensuring its equipment is easy to use, intuitive and future proof. Many of Metrel's products are software based and use touchscreen technology, addressing the real needs and challenges of end users to create a range of products that will enhance the user experience.

Without a doubt, Metrel is committed to solving the issues workers face every day. "Right now lots of electricians own, and use daily, testers that are capable of storing their test results but find the feature too complicated and long winded to use, because they need to make notes about which circuit and board each relates to which location in the tester's memory," said Brendan Beaver, the UK Manager of Metrel. "They prefer to fill a copy of a certificate by hand and then make a fair copy either in their best handwriting, or by typing it up in a computerised certificate when they get home. What a waste of their time!"

Metrel understands that engineers need to be able to do their testing and save the results and notes on their tester without needing pencil and paper, so that it is ready to send to the depot or to quickly download. This kind of functionality is not available when a conventional LCD screen is the only thing available, as found on an ordinary multi-function tester.

With the introduction of dot-matrix displays from Metrel, an increasing number of users of multi-function testers like MI3152 and MI3155 are realising the advantages of being able to make notes using the touchscreen's full keyboard, eliminating the need for pencil and paper. What's more, the on-board fuse table and connection help screens allied with the pass and fail indicators to give the operator confidence to pass the results to storage.

Metrel's new memory management system is unique. Also benefiting from the dot-matrix touchscreens, it allows the operator to visualise the installation, highlighting components with a coloured icon, which makes it easier to post the results to the correct circuit without writing anything down. This simplicity is continued when the results are downloaded quickly and easily into an 18th Edition certificate via the USB port.

Metrel also offers a dedicated repair service and expert technical support, working with distributors and partners to offer solutions to any problems, to ensure its products are being used correctly and to their full potential.

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Turn your motors into Condition Monitors for free

Condition Monitoring of rotating equipment can have enormous benefits, avoiding unexpected breakdowns and enabling more efficient maintenance planning and scheduling, but it isn't always easy.

Portable Vibration data collectors cannot always 'see' direct into each bearing, and interpreting the readings can be complex if you have variable loads or variable speeds of your equipment – eg. when inverter-driven. And some equipment is simply inaccessible – duct-mounted fans, submersible pumps, borehole pumps, etc.

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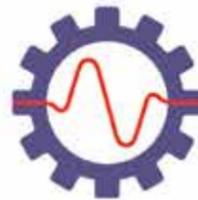
between a wide range of developing faults, like bearing faults, unbalance and misalignment, vane problems in pumps and fans, loose foundations, internal rubbing, loose belt drives.

They also identify power quality problems like phase unbalance and harmonic distortion, and measure overall energy consumption and costs.

They also quantify the energy being wasted by each fault, allowing you to plan corrective work on the basis of reduced energy costs.

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Email: info@faradaypredictive.com or call 0333 772 0748.



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Providers of portable and permanently installed condition monitoring and energy monitoring and optimisation systems. Faraday Predictive systems require no sensors to be mounted on your plant equipment, instead we use the electric motor driving your equipment as the sensor. Simply by measuring the voltage and current drawn by the motor we can identify an astonishing amount of information about developing problems in your equipment, giving you an indication of current condition and predicting future condition for up to three months in the future. We provide easily understood advice on the nature of the fault, how we have diagnosed it, the effects it is likely to have, and what you should do about it. We also quantify the energy being wasted by faults, allowing you to cost-justify corrective work on energy saving grounds.

For more information see our website or contact us direct.



Floorbrite is a leading commercial cleaning and facilities management company providing a diverse range of services to businesses of all sizes across all industry sectors. With a longstanding family ethos and commitment to working in close partnership with our clients, we can provide efficient, innovative and comprehensive solutions specifically tailored to the needs of each business.

With over 45 years' industry experience and an existing client base in the hundreds throughout the UK, this generation of Floorbrite will continue to provide the same level of care and attention as we did when we started out in 1972.



Daily Cleaning

For over 45 years, daily cleaning has been at the forefront of our business. From offices to distribution, factory, retail, medical, education or leisure facilities, you name it, we clean it. Our wealth of experience has earned us our reputation as the reliable, efficient cleaner of choice. We provide a 24-hour, 7 day a week cleaning service that ensures your business stays clean and hygienic.



Pest Control

Floorbrite specialise in reactive as well as preventative pest control. Our fully trained technicians are able to deal with all manner of pest related issues, quickly and effectively with minimal impact on your business or customers. We provide pest control and riddance solutions for rodents, insects and flying insects, bird and small or large mammals. We offer cleaning services involving the removal, treatment and disinfection of nesting material and infected goods and maintain a minimum level of pest activity via a number of pest proofing and deterrent systems.



Industrial/Specialist Cleaning

Our industrial and specialist cleaning division brings clients into contact with a small core of personnel that have particular skills beyond the scope of a general cleaning team. They meet the demands of our clients requiring 'one off' periodic, specialist and sometimes emergency cleaning in the event of flood or other unforeseen disasters. Also specialised in Hazmat cleaning (Hazardous Material) and able to remove Body fluids, Pigeon guano, needles and many other substances that may pose a reasonable risk to health, property, or the environment.



Plants & Grounds Maintenance

Working closely with supply partners, we offer a range of interior plants, grounds maintenance and landscaping services tailored to meet your needs. Assessing your preferences when it comes to plant displays, tropical plants and office plants – with a range of containers and colours that compliment your corporate style. We also specialise in Christmas and making your premises look stunning, including corporate Christmas trees, decorations and displays and a complete design, decorate and dismantle service.



Carpet Cleaning

An essential maintenance service Our carpet cleaning services cross all industry sectors including offices, education, retail, leisure and healthcare, and the work we do can range from sparkle cleans in show developments to builders cleans and salvage work. We also provide our carpet cleaning to clients as a service on its own, as one-off cleaning, or within a periodic maintenance programme such as quarterly, six monthly or annual cleaning.



Security

The security challenges faced by our clients require an experienced team that can carry out a full security review, highlighting any weakness in your current system, so we can tailor our solution to your needs. We offer an extensive range of security services across the UK including: the provision of security officers, key holding, mobile patrol, emergency response, CCTV and access control installation, system maintenance and remote monitoring of alarms and CCTV.



Window Cleaning

Our specialist team collectively have over 150 years' experience cleaning the windows of listed buildings, state of the art office towers, business parks, factories, entertainment facilities and department stores. The challenges presented in cleaning such a variety of modern and historic buildings is so diverse that our team constantly undergo regular training to ensure the safest methods and practices are adopted.



Building Maintenance & Access Solutions

Our property maintenance services assist in the upkeep of your buildings and the development of your infrastructure, these include planned and reactive maintenance which cover the fabric of the buildings, plumbing and sanitation, electrical, decorative, and external groundwork. Further services include refurbishments and refits of retail and office environments, and commercial painting and decorating, as well as providing access solutions to ensure no corners are cut or missed.



Washroom, Hygiene & Consumable Supplies

Floorbrite offer washroom and hygiene services that conform to all aspects of current legislation. We offer innovative products coupled with a tailor-made service, carried out with complete discretion, enabling a pleasant and effective washroom environment for both your employees and visitors.



Access Equipment

Our 30M Palfinger truck mounted access platform is available for hire and is a great mobile solution for safely working at height. We also supply scissor and spider lifts, scaffolding towers and various sized and reach, mobile elevated work platforms.



Waste & Environmental Management

We offer a range of services covering trade waste removal, recycling, food waste removal, secure shredding, hazardous waste and diversion from landfill. Our own Environmental Consultant can offer a bespoke waste management package unique to your requirements with a focus on achieving your specific environmental goals including baling and compaction equipment on site to reduce your waste footprint before it even travels.



Health & Safety Consultancy

Our dedicated Health, Safety and Compliance Director has worked in the industry since 2000, he and his team are highly qualified and have the practical knowledge required to advise on all matters in this field. They also provide support to our core service delivery, offering a value-added service to existing customers of our cleaning client base. We can provide health and safety support across a wide range of areas to assist in client compliance, reduction of costs and litigation limitation.



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Take control of your hand hygiene, washroom, waste and cleaning challenges



Industry Update is proud to announce that Rubbermaid Commercial Products (RCP) has received our Commercial Cleaning Company of the Year award.

"Being recognised in a year when so many companies are coming together, working harder for the greater good, makes this all the more rewarding. For our colleagues and suppliers, it's a recognition of their hard work and an achievement worth celebrating. For our clients, it proves we are a market leader, a manufacturer of world class hand hygiene, washroom, waste and cleaning product solutions," said Paul Jakeway, Head of Marketing Rubbermaid Commercial Products (RCP), EMEA.

Of course, this last year has provided its share of challenges for companies across the world, but RCP has also taken this time to find new opportunities. The company has performed more research on commercial waste and recycling via Love Recycling, and reached out to the public to determine their expectations for hand hygiene provisions. Furthermore, through supporting facilities in implementing industry leading hand hygiene, washroom, waste and cleaning solutions,



RCP has been playing its part in keeping people safe throughout the COVID-19 pandemic.

RCP has certainly remained busy throughout the year. Between July and September, the company ran the second phase of research for Love Recycling, investigating what effect the pandemic and lockdowns had and are having on businesses across Europe. While waste and recycling has been impacted, including the creation of new PPE waste streams for many industries, RCP believes there are reasons to be optimistic about the future.

Furthermore, RCP conducted research into the



expectations members of the public have when it comes to hand hygiene provisions in facilities. This research found that the public largely prefers touch free dispensers and that the majority would avoid facilities without suitable hand hygiene provisions. Staff and customers also expect to see hand hygiene stations throughout a facility, not just at the front entrance. These findings are clear indications that businesses must make hand hygiene provisions a priority, and not just do the bare minimum to meet regulations.

"The demand for hand hygiene options in the initial phase of lockdown, commercially and as part of consumer panic buying, led to many facilities implementing a best of what's available type situation. Over the coming months, as the general situation hopefully improves, facilities will need to look more at implementing optimal hand hygiene solutions. The public will be changing their expectations from looking for facilities that have provisions, to looking for those with the best provisions," said Paul Jakeway.

To help companies implement hand hygiene provisions, RCP has developed the Lumecel™ green energy hand hygiene system, a significant innovation for the

company. By powering the touch free dispenser using any available light, natural or artificial, Lumecel™ reduces battery waste and improves the sustainability of any facility, creating a ground-breaking combination of touch-free and sustainable technology.

Looking to the future, RCP will be continuing to ensure that reopening businesses and facilities in any sector have access to not just innovative products that keep people safe, but also information, guidance, and best practices that are derived from research and experience. "The results of our recycling and hand hygiene research have helped us determine what businesses need and what staff and customers expect. With these findings in hand, we are best placed to support facilities with products that provide hygiene and sustainability in the short and long term."

To find out more, see the details below.

www.loverecycling.com
www.rubbermaid.eu/en/



Cleaning Update

Skanska partners with Ecocleen to deliver multi-site contract cleaning during COVID-19

Established in 1887, Skanska is one of the world's leading project development and construction groups. The multi-national company operates around the world with over 38,000 employees worldwide. In the UK, it is best known for working on a number of major projects, including the Gherkin, the M25 and Crossrail, to build, upgrade and maintain the country's infrastructure for future generations.

Navigating the pandemic

As part of its infrastructure services business, Skanska maintains the highways network across Devon, which has the longest road network in England. It provides an essential service that has continued throughout the COVID-19 pandemic.

To ensure its operations were COVID-19 safe, Skanska had to make some changes in its approach to day-to-day operations. For instance, desk-based staff went straight to working from home, leaving the offices to those managing operations out on the network.

To maintain 'business as usual' out on the road network, the company had to think on its feet and find solutions,



with the added challenge of government and industry guidance changing almost daily. With the common goal of health and safety for everyone, the team at Skanska pulled together.

Taking preventative measures

As a construction company, Skanska is following the guidelines set out by the Construction Leadership Council, which has shared regular guidance notes on what is needed to run a site during the pandemic, emphasising the importance of good hygiene practices.

After reviewing its cleaning regime with Ecocleen, Skanska introduced an enhanced cleaning regime for the Devon contract, covering all the touchpoints and other significant risk areas to reduce or remove COVID-19 transmission.

Skanska worked with Ecocleen to increase the frequency of cleaning in its main depots, used daily by operatives, and extended this to six satellite depots that aren't used as regularly but are essential for Skanska's winter maintenance operation. During the summer, these depots provided an extra stop-off point and welfare facility for operatives – 15 sites in total.

To ensure operatives had enough facilities available to them to enable the right levels of hygiene, Skanska also installed an additional five portable toilets at strategic points across Devon, with the Ecocleen team cleaning them twice each day. Ecocleen rose



Jim Humphrey, Ecocleen



to the challenge, as they were in fairly remote locations.

With quieter roads, Skanska was able to deliver more of its planned road maintenance work, for which it needed on-site welfare facilities. Again, Skanska and Ecocleen worked quickly to make sure these sites are cleaned every day.

Delivering local expertise

The Ecocleen team tackled these challenges front on and delivered. Ecocleen was able to hit the mark and deliver the cleaning resources required for Skanska in a very timely manner. For this partnership to be successful, collaboration and speed of response were key. To stay efficient, Ecocleen set up a common Microsoft Teams channel, so that everyone from both companies had sight of all the information required to move forward quickly.

Skanska knew what it required as far as frequency and scope of cleanliness. Ecocleen took this one step further to provide the best advice from the team's local experience, industry knowledge and understanding. Before COVID-19, cleaning was a structured and planned thing, with a set cleaning regime for each Skanska depot. Now, it is a service that is operationally led to adapt to changing needs with the added benefit of a strong and transparent partnership with Ecocleen.



"Since COVID-19, everybody is more aware of hygiene and more sceptical when they walk into a toilet or even a building as to whether it has been cleaned sufficiently. Hopefully, this means that cleaners will be valued more going forward, because in the past it hasn't necessarily been looked upon as the type of role that it should be – it's a hard job!" said Gary Williams, operations manager for Skanska at Devon Highways. "We have never been so close to a cleaning company before and we wouldn't have been able to continue operating as normal without the help of Ecocleen."

Contact
T 0800 612 6756
enquiries@ecocleen.co.uk
www.ecocleen.co.uk



New hardness tester Wilson RH2150

The new Wilson RH2150 represents the next generation of hardness testers by Buehler – ITW Test & Measurement GmbH, a leading manufacturer of instruments, consumables and accessories for materialography and hardness testing. Based on the concept of the proven, globally used RB2000 and offering a large range of testing scales and newly developed functions, the RH2150 meets today's testing requirements. Due to its numerous accessories, it is capable of testing many different parts and components, – whether in high-volume production applications in quality control or in the R&D lab.



With its completely new user interface and advanced statistical calculations, results graphing and easy test programmability, the Wilson RH2150 optimises testing processes. Via an integrated USB interface, results can be exported as CSV and/or TXT file on a memory device. The optional, individually configurable DiaMet™ test software with its further advanced programming and export functions provides for additional flexibility.

The new Wilson RH2150 series is available in two configurations for different load ranges. Whereas the Regular version is appropriate for the regular Rockwell scale, the Twin version also allows measuring in the superficial Rockwell scale. In addition, both can be used for Brinell depth testing with up to 187.5 kgf and for und ball indentation testing that is common in the plastics and the carbon industry. The maximum specimen heights are 10" (254mm) with size 1 and 14" (356mm) with size 2 of the tester. The maximum specimen weight is 50kg (centred on anvil).

For further information about products and services available from Buehler ITW Test & Measurement, please visit: www.buehler.com

Model 336 temperature controller



The first of a new generation of innovative temperature measurement and control solutions by Lake Shore, the Model 336 temperature controller comes standard equipped with many advanced features promised to deliver the functionality and reliable service you've come to expect from the world leader in cryogenic thermometry. The Model 336 is the only temperature controller available with four sensor inputs, four control outputs, and 150W of low noise heater power. Two independent heater outputs providing 100W and 50W can be associated with any of the four sensor inputs and programmed for closed-loop temperature control in proportional-integral-derivative (PID) mode. The improved autotuning feature of the Model 336 can be used to automatically collect PID parameters, so you spend less time tuning your controller and more time conducting experiments.

In many applications, the unparalleled feature set of the Model 336 allows you to replace several instruments with one, saving time, money, and valuable laboratory space. Delivering more feedback, tighter control, and faster cycle times, the Model 336 keeps up with increasingly complex temperature measurement and control applications. It is the ideal solution for general-purpose to advanced laboratory applications. Put the Model 336 temperature controller to use in your lab and let it take control of your measurement environment.

The Lake Shore Cryotronics range is available from their UK/Ireland distributor: Quantum Design UK and Ireland. Visit our website at: www.qd-uki.co.uk or email Josh Hook at: josh@qd-uki.co.uk

First stand-alone triggered rod drop monitoring system

Istec presents its rod drop monitoring system for reciprocating compressors: The RecipSys 200. A compact and modular monitoring system that delivers accurate real-time data of rider band wear, and eliminates the need for periodic shutdowns to do manual rider band wear inspections. The transmitter-based system is affordable and extends the range of compressors that can be monitored. After multiple successful pilot installations the RecipSys 200 is now globally available.

Adapted to market needs

The increasing demand for machine availability and insights in critical parameters

of both larger and smaller reciprocating compressors, made Istec break new grounds. The RecipSys 200 answers these market needs by delivering financially accessible, easy to use and stand-alone rod drop monitoring with extensive scalability and modularity options.

Innovative technology

The RecipSys 200 offers a flexible alternative for traditional and complex rack-based monitoring systems, which are not solely dedicated to rod drop monitoring. By using a phase triggered signal, as opposed to an overall signal, the transmitter-based system

provides unparalleled accuracy and reliability.

Versatile use

Extensive scalability options allow multiple modules to be connected for reciprocating compressors with multiple cylinders, making it suitable for any compressor configuration. Its modularity allows the system to be integrated with other systems that monitor critical mechanical parameters, such as temperature, vibration or impact.

T +31(0)252 433 400
mail@istec.com
www.istec.com/en



UVC radiometer for germicidal UV sources including 222nm excimer lamps

The new X1-1-UV-3727 radiometer is designed to accurately measure the far-UVC irradiance or dose produced by 222nm excimer lamps. This is in addition to the measurement of other germicidal UV source types including low pressure Hg lamps and UV LEDs. Each meter has a wide dynamic range and is supplied with a traceable calibration certificate from the ISO-17025 accredited Gigahertz-Optik laboratory.



Far-UVC radiation, such as the 222nm produced by Kr-Cl excimer lamps, has been the subject of many studies and is known to be effective against a wide range of pathogens. Significantly, it is also thought to offer less photobiological hazard because far-UVC light cannot penetrate human skin as deeply as the longer wavelength UV radiation produced by low pressure Hg lamps and UVC LEDs.

The X-1-1-UV-3727 radiometer measures UV-C irradiance over a very wide dynamic

range from 0.002µW/cm² to 1,000mW/cm² which permits the investigation of both germicidal efficacy as well as hazard. It is supplied with calibrations at 222nm for excimer lamps, 254nm for low pressure Hg lamps, and wavelength dependent calibration factors given in 5nm increments 250nm to 300nm for UV LEDs. The detector's flat spectral responsivity ensures lowest measurement uncertainty irrespective of the precise wavelength of UV LEDs which inevitably varies according to operating conditions and manufacturing tolerances.

Contact: Florian Schropp
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info@gigahertz-optik.de
www.gigahertz-optik.de/en-us/product/X1-1-UV-3727

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Lake Shore Cryotronics Model 336 Cryogenic Temperature Controller

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An optimised design for valve actuators

The Camtorc series actuator is a mathematically derived cam system first manufactured in 1975. It has been in continuous production since, gaining a base in industries all over the world. Imtex Controls acquired all rights to the design in 2006 and integrated it into a modular assembly that is particularly suited to space-sensitive or remote/inaccessible locations.

The unique Camtorc design has many advantages over other actuator systems, and it is important for end users and buyers to be aware of these differences. This case study will explain the advantages of Camtorc, outline the modular components, compare Camtorc to other actuator systems, and also demonstrate how fail-safe valves, or applications where Maximum Allowable Stem Torque (MAST) is a concern, will benefit from improved torque-efficiency and a reduced risk of valve failure.



The Camtorc actuator is a linear to rotary motion convertor primarily used for the pneumatic or hydraulic actuation of quarter-turn pipeline valves and dampers. Consequently, the design has seen a big uptake in the oil/gas, marine and power generation industries.

What really sets this design apart is the mathematical profile of the cam which ensures a constant output torque during the piston stroke. This eliminates backlash. The combination of zero backlash and constant output torque means there are



fewer moving parts – reducing possible causes to fail, which contributes to a longer service life and lower maintenance costs.

Additionally, this optimised system also avoids two more, related problems. Firstly, the constant torque negates large side-forces which require additional infrastructure within the housing. This in turn avoids the problem of side-loads, which require more complex assemblies. As a result, Camtorc actuators are more compact and generally have lower installation costs.

Compared to other actuator systems, such as the scotch yoke design, Camtorc offers substantial advantages. The scotch yoke actuator employs a piston that moves a yoke via a sliding pin. It is easiest to think of Camtorc as an optimised version of this

design, clamping the yoke apparatus (attached to the pistons) around the cam so they remain in contact along a frictionless surface.

On safety critical valves (ie. ESDVs) it is increasingly common to carry out some form of valve assembly testing, such as Partial Stroke Testing (PST). The advantages for plants and rigs are that critical valves are tested for integrity without the cost burden of shutting off the valve.

There are two distinct advantages to the Camtorc design when it comes to PST:



CAMTORC	V S	SCOTCH YOKE
<ul style="list-style-type: none"> • Fewer moving parts = longer service life + lower maintenance costs = reduced Whole Life Cost • Integration of cam & body pistons reduces dimensions of unit • Cam slides across low friction pads, increasing output efficiency to 90-96% of theoretical max. • Consistent output torques throughout the stroke: suited to modulating control • Large side-forces are eliminated = less external housing = suited to remote/inaccessible locations • Cam mechanism is backlash free = easily stopped/started mid-stroke • Reduces the risk of false-fails & spurious trips during PST = lower risk of plant shutdown / damage 		<ul style="list-style-type: none"> • More moving parts = more wear and risk of failure = higher Whole Life Cost • Inconsistent output torques throughout the stroke • Large side-forces at either end of the stroke require additional infrastructure/housing • Side-forces and pin friction reduces efficiency to 75-80% of max. theoretical torque • Larger unit + more complex assemblies = higher installation costs • Where MAST is an issue the stem size may need to be increased = larger unit / more assemblies • More likely to create false-fails or over-travel (spurious trips) during a PST test = damage or shutdown



- ▼ In the dual piston-design of the Spring Module less air needs to leave the actuator to start the piston moving, and a much larger pressure drop is required to complete the stroke. This significantly decreases the risk of over-travel (spurious trips).
- ▼ To prevent over-travel a maximum pressure drop is often set, but on a scotch valve actuator this is usually very close to the pressure required to start moving the valve. Therefore, if the valve sticks a little (which often happens when a valve has been inactive) the test might fail erroneously: since a slightly lower pressure would cause the valve to move. With Camtorc, the larger pressure differential on the spring stroke allows for much more control of the PST system, and the maximum permissible pressure drop is far less likely to abort the test.

False fails and spurious trips are costly and risky on a plant or oil rig where they might lead to a partial or complete shutdown of operations.

For the buyer, all of the design benefits of the Camtorc actuator system result in a significantly reduced Whole Life Cost (Whole Life Cost is the projected cost of an asset over its entire life). The Camtorc series is available for pneumatic and hydraulic applications in either double acting or spring return configurations with a full range of modular control accessories.

Please contact Imtex Controls on +44 (0)8700 340 002 or email: sales@imtex-controls.com for more information.



Solving Valve MAST Issues

To find out more about our unique Cam Actuator and backlash free operation Call us on 08700 340 002 or visit our website: www.imtex-controls.com



Improving control of conveying systems



Beckhoff Automation UK has launched a new EtherCAT-based controller for motor-driven roller (MDR) conveyor systems. The controller, the EP7402 EtherCAT box, provides complete control of roller motors irrespective of the motor brand or conveyor vendor. This allows enhanced efficiency, improved communication and reducing cabling requirements in multi-zone conveying applications in intralogistics, warehousing and distribution centre environments.

The EP7402 features two motor outputs with an integrated controller for brushless DC (BLDC) motors. These motors can be directly connected to the EtherCAT box, with eight additional M8 input/output ports for peripherals, including sensors, vision systems and switches. Power is supplied to the EP7402 using a single 30A hybrid B23 cable, building on Beckhoff's One Cable Automation (OCA) technology.

With complete control over the roller motor, the EP7402 is readily adaptable based on performance characteristics. Parameters including maximum rated current, acceleration or deceleration ramps and various others can be configured to support adaptations for different applications. This control is completely sensorless and is determined based on programming and motor performance.

To learn more about the EP7402, visit: www.beckhoff.co.uk or to read the rest of this article, visit: www.beckhoffblog.co.uk

Mantra Learning provides COVID-secure forklift training

Mantra Learning is now delivering Novice Lift Truck Operator theory training online thanks to a new tool from RTITB. eTruck UK is an eLearning tool that ensures Instructors and Operators are safe, with COVID-secure theory courses that do not need to take place in a classroom.



As an RTITB Accredited Partner, when the COVID-19 pandemic lockdown began, Mantra was able to quickly acquire training licenses for eTruck UK from RTITB, so that disruption to Novice Lift Truck Operator training was minimised.

By using eTruck, Mantra was able to continue to deliver Lift Truck theory training, but with no risk of infection or social distancing challenges to overcome. This was important as Novice Lift Truck Operator training accounts for around 30% of the Mantra Learning's training business, usually in a classroom.

eTruck, which is available in the UK and Ireland only from RTITB, is a completely unique digital storytelling tool for forklift theory training. Candidates learn online by following a story that tackles real issues relating to lift truck operation and safety and is designed to create real behaviour change, looking at the reasons behind operator behaviour as well as the relevant theory.

With eTruck, learners can complete the training at their own pace, anywhere and anytime they can get online.

For more information on delivering Lift Truck Operator Training with eTruck UK, visit: www.rtitb.com/etruck or call +44 (0)1952 520236.

Learn more about Mantra Learning at: www.mantralearning.co.uk or by calling 0333 220 6646.

Euro Pallet sizes of Stakker® Roll Cradles now available!

Alderney Race Limited ('HenryAR') are the European Agents for Henry Molded Products, the leading manufacturer of moulded recycled-paper fibre packaging and the originators of the Stakker® Roll Cradles.

Now also available in Euro Pallet sizes 800mm in length, added to our ever-growing range of stock and bespoke Stakkers® held 'in stock' for immediate despatch to our customers in the UK and throughout Europe.

Henry Molded Products packaging items are distributed throughout Europe from our warehouses in the UK and in mainland Europe for fast, efficient and cost-effective delivery for customers preferring just-in-time supplies.

We also offer a door-to-door service in 40ft HC Containers,



delivering further cost savings on freight costs where required.

Stakkers® put an end to inefficient palletising systems in production as well as enabling 30%-100% more product to be safely stacked per pallet, reducing packaging, warehouse and distribution costs.

Custom Moulding packaging solutions are designed and produced in-house using our moulding knowledge gained from over 50 years' manufacturing experience. Our recycled fibre products are also recyclable and biodegradable.

Contact: Steve Benn
T +44 (0)1572 827202
steve@alderneyrace.com
www.stakker.eu



BRADSHAW TOW TRACTORS TOWS LOADS

Our tow tractors range from a 1-tonne tow capacity up to 25-tonnes. Available in a number of cab and body options, ride on, and pedestrian, our wide range is suitable for indoor and outdoor applications. Should your operations require a bespoke solution, our team can assist in building the perfect solution for your needs.

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Transform your unit sortation with EuroSort

Industry Update is proud to announce that EuroSort has been selected as our Logistics Company of the Month, for its leading supply chain automation systems.

Established in 2001, EuroSort specialises in the manufacture of high-speed unit sortation systems for a variety of warehousing and distribution applications, including e-commerce order fulfilment, buy online pickup in store, returns processing, post and parcel sorting, store replenishment and more.

Thanks to their modular design, EuroSort's automated sortation systems can be adapted to customers' needs, offering a simple, and robust solution for improving productivity, accuracy and efficiency. "We design, manufacture and install high-speed unit sortation systems using efficient, space-saving designs at a higher quality and accuracy, with a smaller footprint than other automated sortation technology on the market," explained Kasper Stoffels, Head of Marketing. "We can also provide maintenance, replacement and relocation services if required."

As one of the last independent manufacturers of sortation systems in the sortation industry, EuroSort



builds solutions that work for its customers. "Many of our tray designs are patented allowing for more accurate and efficient sortation," Kasper said. "Our product range consists of proven sortation equipment that is in operation with over 300 customers in the world."

"Our strength lies in working with our customers to review their operations and come up with a solution that brings them a return on investment in roughly two to three years, although we have seen ROI of less than six months. It is about working with our customers to find the right solution for their challenges – that is how both EuroSort and more



importantly our customers are successful."

This collaborative approach has certainly helped EuroSort to expand

over the last few years. "We are on a journey of growth. Three years ago we moved to a new facility to support this, and even in the last year during the global crisis, we were able to not only maintain but also grow our employee base thanks to our success," said Kasper.

To build on this success, EuroSort is continuously looking for new solutions and innovative ideas to improve the logistic processes at its customers' sites. "Often this is not about bringing a completely new product to market, but focusing on the details of the process and adjusting existing solutions or creating new concepts for that particular challenge. There is really no one size fits all in our line of work, and each customer will have their own challenges that our team of experts will happily look into and try to solve."

This adaptability will likely ensure EuroSort's future success as the COVID-19 pandemic continues to impact the logistics industry. "Online shopping has exploded all over the world, and many companies have had to adapt to this new way of handling orders. This has had a knock-on effect on parcel handling in the supply chain. All these elements are now accelerating automation to cope with this changing world, and although it is hard to predict how COVID will develop over the next year, we now see an increased demand for automation."

EuroSort will be exhibiting at IMHX in September,



and its in-house integrator DistriSort will be at Intralogistex in May. The company will also be attending Promat DX, Logimat and Parcel+Post Expo, and welcomes visitors to its demo centres, Global HQ and North America HQ.

If you would like to find out more information on how EuroSort can help you, head to the website or get in touch directly using the contact details below.

Contact
T +31 (0) 88 88 77 425
info@eurosort.com
www.eurosort.com



Warehouse & Storage Update

COVID-19 has affected us all

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Don't crack up

Bond It, one of the UK's fastest growing manufacturers of sealants, adhesives and building chemicals, has launched a new sealant to complement its already growing silicone and sealant range.

No Crack Caulk, introduced under the company's 'Superheroes' brand, is a water resistant, high quality decorator's caulk that prevents craze cracking when painted. This white, solvent-free, water-based sealant is highly flexible, with a joint movement capability up to 12.5% and can be overpainted within 1 hour.



With excellent gap-filling properties, this hard wearing Caulk contains a fungicide to retard mould growth and is suitable for use on both interior and exterior jobs.

Adheres to most surfaces without the use of a primer and is non-corrosive to metals. It is more resistant to movement than most standard caulks and is longer lasting. Perfect for sealing around window frames, architraves, cornices, PVC profile trim & cladding, plasterboard joints and for sealing cracks and gaps in plaster, brickwork, concrete, skirting boards and walls.

For more information on Bond It, contact our Sales Team on 01422 315300 or visit: www.bond-it.co.uk

The Step Solution



VELUX Modular Skylights' Step Solution awarded Red Dot, Product Design 2020

The international Red Dot Jury awarded this sought-after seal of quality to the latest product in the range of VELUX Modular Skylights, the Step Solution. Hereby VELUX is one of the winners in the world's most renowned design competition. As the product name indicates, the new VELUX Step Solution has a step structure where multiple rows of skylight modules can be connected above each other to create a large glass roof. It is characterised by a minimalistic design with a coherent and elegant structure that allows for thin supporting beams.

"We designed the VELUX Step Solution to offer our customers a solution with maximum daylight for larger glazed areas. We have thereby expanded our product range from modules installed side-by-side to this step structure. Our mounting system connects the modules closer, and the flashings ensure a watertight solution in the elegant VELUX Modular Skylights design," explained global R&D director, VELUX Commercial, Erik Kjaergaard.

The new VELUX Step Solution is a technologically advanced product, specifically suited to commercial and public buildings, both new build and refurbishment.

T 01592 778916
veluxcommercial@velux.co.uk
<https://commercial.velux.co.uk/>

Ecoseal

Ecoseal is approved to Gas Industry Standard (GIS) Leakage Control (LC) 25. It is the only product on the market to have achieved the specification set out in GIS LC25. The specification sets out the requirements for flexible joint penetrating sealant repair systems for external application to ferrous distribution pipes with either lead/yarn or mechanical type joints. The maximum operating pressure must be equal to or less than 2 bar, in areas where pipe movement might be experienced.

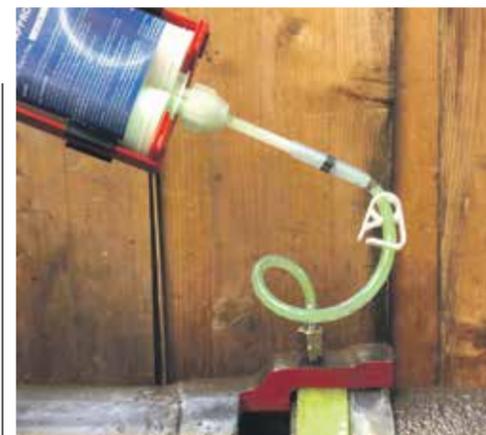
There are three viscosities of Ecoseal, thick, thin and ultra-thin. Each variety is designed to repair a different leaking, corroded or damaged joint. This includes mechanical, lead yarn and tightly packed joints.

Ecoseal is a two-part Polyurethane resin. This means a

chemical reaction takes place when the two parts meet and combine. The process is user and environmentally friendly as no toxic fumes or chemicals are released.

Ecoseal provides an alternative to encapsulation repair systems. It is time-saving and cost-saving because it eliminates the need for site assessments and measuring for encapsulation muffs. It provides an option to inject through the socket or directly through the lead joint face. Ecoseal can be used on spigots, mechanical joints, socket joints, and valves. It can be used on a range of pipes up to 2 bar pressure.

T 01332 835001
admin@mwpolymers.co.uk
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Gold & Wassall have been manufacturing hinges for over two centuries, so it's safe to say we know what we're doing. Our team of experts can design and manufacture almost any hinge, for any application. We have made upwards of 250,000 unique hinge designs, with more designs being drawn up each day.

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Evolution in Distribution: The No.1 choice for HVAC contractors



Industry Update is proud to announce that EVOMART has been selected as our HVAC Company of the Month.

Launched at the end of January 2020 by Bradley Bray, EVOMART is a specialist air-conditioning and refrigeration parts

and tools distributor, committed to sourcing top quality brands for HVAC contractors. "We are the exclusive partner for certain brands including CPS Tools, Trumaxx and Dry All. These are all high-quality brands who help to future proof our offering through innovation," explained Bradley. "We also act as a reseller for other brands such as Fujitsu Air Conditioning, Siccom Pumps, ACR Supplies, Kaiflex and Draper Tools.

"EVOMART is the brainchild of years of personal experience," Bradley continued. "I cut my teeth working for a highly respected brand, supporting it in growing sales internationally. Building on this experience, which is varied, I recognised opportunities years ago, so now is the right time to implement them."

With a mission to empower all skilled workers with the necessary tools, equipment and knowledge they need, EVOMART's distribution service ensures its customers can run efficiently, reducing unnecessary downtime

so they can focus on the job in hand. What's more, EVOMART rewards its customers for their loyalty with incentives such as points, giveaways and coupons, as well as offering a TRADE MEMBERSHIP for extra discounts and rewards. Its online platform is designed entirely with contractors in mind, offering new and innovative products that improve its customers' service level.



To complement this, EVOMART created its COOLtube page, a digital HVAC library 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 freely available to all HVAC enthusiasts during the COVID-19 pandemic, meaning there is now no need to register to gain access to valuable articles, tips and tricks to help engineers improve their

service. This is certainly in line with EVOMART's tagline, 'Evolution in Distribution': "Markets change, and we aim to adapt to market conditions. This current pandemic is a great example of how we have had to change due to factors outside of our control," explained Bradley.

"Where some see COVID-19 as the end, and in some industries, you can't blame them for feeling this way, I'm looking at how this makes our industry more open to new and innovative ways of doing things. My feeling is our model is correct for the direction in which the market was heading – COVID-19 has simply accelerated these changes, so I remain optimistic going forward."

The pandemic has certainly not stopped EVOMART in its ongoing development. The company is continuing to expand its portfolio and focusing on teaming up with top quality brands. What's more, instead of looking at areas to cut costs, EVOMART has been



investing in its team across both marketing and sales, setting the company up for a prosperous future.

"We have a bunch of new features we are looking to add to our website to make it even more user friendly, but without compromising on our sound technical support," Bradley concluded. "Evomart sells to HVAC professionals, who value quality and best practice. A free demonstration of the Evomart website is available and we invite all HVAC enthusiasts to get in touch. We aim to source what you our customers need, even if the item doesn't yet feature on our website. Drop us a line with your enquiry and we'll get to work contacting our wide network to source it."

To find out more information, we would recommend taking a look through EVOMART's fantastic website. This offers a great range of benefits for customers. In addition to the TRADE MEMBERSHIPS and COOLtube page, www.evomart.co.uk also offers customisable VanStock lists (an adaptation of a traditional Wishlist), free delivery, and instant quotations. Interested? Head there now or get in touch:

T 0330 135 9922
info@evomart.co.uk
www.evomart.co.uk



Market-leading MK Sentry Circuit Protection range is back



Industry Update is proud to announce that CircPro has been selected as our Electrical Solutions Company of the Month, for the supply of the MK Sentry Circuit Protection range into the UK market.

Many in the industry will know the MK Sentry brand, however in 2019 this renowned product left the UK market. Now, thanks to CircPro, the MK Sentry Circuit Protection range is once again available to UK customers.

"After MK Honeywell withdrew the product from the UK due to changes in IET Wiring Regulations, the Yihua Holding Group purchased the license to supply the product into the UK market directly," explained Lee Rolfe, Managing Director. "I was then approached in January 2020 to set up CircPro (UK) Ltd to provide the sales and distribution of the MK Sentry circuit protection product



range for UK customers.

"We spent last year setting up the company from scratch, hiring our sales team and getting the product back into the market. This was obviously in addition to all the other challenges last year posed due to the COVID-19 pandemic. Now, we're looking to really push ahead with the MK Sentry range and make a big impact in the market in our first full year of trading.

"We started to trade in July last year, after losing nine months when the product was discontinued in the UK. This meant many existing customers of the MK Sentry range had to go elsewhere and switched to our competitors. We're working on getting this customer base back and growing it even further."



Although the product itself is now made and assembled in China, not the UK, Yihua has produced the Sentry enclosures for the last 10-12 years, so the MK Sentry Circuit Protection products still look and behave exactly the same, with the same high levels of reliability. As an easy-to-fit fuse board for residential and commercial properties, the MK Sentry range does what every contractor requires, complete with a 10-year warranty. The range has also been updated to meet 18th Edition IET Wiring Regulations, and CircPro will be introducing AFDDs (Arc Fault Detection Devices) later this year.



SENTRY

Authorized Licensee

"One of the biggest advantages we have is that our supply chain is our own manufacturing plant in China, so we can control supply all the way through and provide products quickly and efficiently into the UK market. Furthermore, along with introducing the AFDDs later this year, we're looking to develop other products to grow the company and make a real impact on the market."

If you would like to find out more information on CircPro and stay up to date with its latest news, head to the website or get in touch using the details below:

T +44 (0)170 8986 180
enquiries@circpro.co.uk
www.circpro.co.uk



Fruit Focus Update

Fruit Focus LIVE

The Fruit Focus event moved to a new online platform for the first time ever to support the industry while there is still a threat due to COVID-19. Fruit Focus LIVE, which ran from 9-10 September 2020, brought the UK's leading technical event for the fruit industry in a digital format, directly to screens.



"Although visitors may not be able to physically visit the Fruit Focus Event, they won't miss out on any of the content as all the key features were delivered in a virtual sense," said event director Alli McEntyre. "These are challenging times and while we are disappointed to have had to postpone the event, we are determined to do our utmost to support the industry," she explains.

Last year's Fruit Focus virtual event offered visitors a chance to interact in an online environment free of charge. Fruit Focus LIVE included:

- Live webinar sessions from industry experts across two days. Attendees were able to participate in live Q&As and have the ability to pick up CPD points throughout.

- New and returning features including the new Lygus Rugulipennis feature, the Strawberry and Raspberry WET Centres plus the Concept Pear Orchard, Plum Orchard and Viticulture Tours.
- Exhibitor and sponsor-led content showcasing the latest products, technologies and services available.
- Machinery and equipment in action via demonstration videos.

Pandemic permitting, Fruit Focus 2021 will be held 21 July 2021 at NIAB EMR. This is our pick of the best exhibitors from last year's online show, listed here in alphabetical order: Agralan & METOS UK. Further details can be found on the right.

www.fruitfocus.co.uk

REMIN from Agralan

REMIN is a volcanic rock dust product which adds the full suite of essential minerals and trace elements to soil and compost. UK tree fruit growers using REMIN in their orchards report soil improvements, as well as increases in fruit yield and quality. For degraded soils low in nutrients, studies have shown that the addition of rock dust can bring a significant boost to soil health, leading to robust tree growth. Aside from direct application to soils, organically certified REMIN is useful in composting fruit and wood waste and as an additive to compost tea. New research from Newcastle University has also proved that REMIN-improved soils provide enhanced carbon capture from the atmosphere, offering the possibility of improved on-site sustainability credentials.



T 01285 860015
sales@agralan.co.uk
www.agralan.co.uk

Smart sensors support better decision making

Smart sensors which communicate through low powered, wide area connectivity networks (LoRaWan and NBloT) are providing the ability to remotely monitor climatic conditions on farm and urban environments, and make more effective decisions.



David Whattoff, Managing Director of METOS UK, which distributes Pessl Instruments' iMETOS range of smart sensors, explains that while many types of sensor can collect data, it is the analysis and presentation of that data which enables better decisions to be made.

He says, "For farming businesses, bringing the data from several sensors together, such as humidity, temperature, windspeed, soil moisture, leaf wetness, and rainfall into our FieldClimate decision support software, provides greater insight into the threats facing the crop. When we apply this data to our disease models, growers can identify risk periods by crop and disease, to

enable them to optimise their spray schedules. In some years, growers may be able to significantly reduce fungicide applications."

The range of sensors from METOS UK extends beyond weather monitoring, to include vehicle trackers improve operational efficiency, and remote cameras to monitor insect activity through pheromone traps, and crop growth imagery to assist with harvest timing.

iMETOS sensors are available direct from METOS UK or through a number of distributors listed on the www.metos.uk website.

Internet Retailing Expo Update

IRX Engage in lieu of in-person expo

Due to the continuing uncertainty from the Coronavirus pandemic, Internet Retailing Expo was cancelled entirely for 2020. The event hopes to return in 2021 from 17-18 March at the NEC Birmingham, but in the mean time an ongoing online event IRX Engage launched on 1 July 2020.

There were a number of one-day virtual events taking place over the summer, with IRX Engage Week taking place from 7-10 September 2020. IRX Engage covered a range of topics focusing on ecommerce and the 'new normal'.

Each event covered a topic pertinent to the current climate and gave visitors the opportunity to chat to retailers, hear from big-name speakers and share solutions... all from the comfort of your desk.



What can visitors expect from IRX Engage?

- Keynotes – Fascinating keynote who will dig deep into the topic of the day and offer insight using real-life case studies.
- Discussions – Across the virtual event a series of moderated discussions will dive deeper into the theme of the day.
- Roundtables – Take part in virtual roundtables and debate and discuss the most pertinent issues of the day.
- Panel discussion – Listen to panel discussions where you can hear

from successful retailers and industry leaders, and discover the secrets to their success.

- Connect with other attendees
- Find new suppliers

IRX Engage continues to host virtual events, so visit the website for the latest details. This is our pick of the best exhibitors from last year's Engage Week, listed here in alphabetical order: Azquo. Further details can be found on this page.

Contact
www.internetretailingexpo.com

Azquo: Smart Data Management System

Azquo (stand #1234) is showcasing its Smart Data Management System – a ground-breaking Business Intelligence tool that offers dramatic savings in both time and resources by combining processing, calculation and analytics in a single platform which integrates seamlessly with Excel.

At its heart is the company's unique Smart Data Store which acts as a virtual 'Data Warehouse', connecting with all internal & external data sources & repositories – regardless of format – without any disruption.

Its control and reporting interface is Excel-based, meaning that anyone whose role includes Business Analysis can extract and manipulate the information they need simply, whilst providing total transparency for their IT department.

"ASDMS is a general purpose tool that can be configured by users to provide insights for any Financial or Operational application – faster and more cost-effectively than has ever been possible before," says Director, Ed Lennox. "For businesses over reliant on



Excel, or paying multiple licences for other enterprise tools, the transition to Azquo will be painless and cost-saving. The benefits in terms of speed, accuracy, reliability, audit and net cost-effectiveness will be nothing short of profound. We believe the decision to introduce Azquo is the ultimate statement of Business Intelligence!"

T 020 3424 5023
info@azquo.com
www.azquo.com

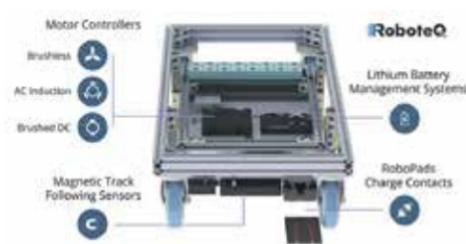
Test, Measurement, Process & Control Update

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

The right all-in-one device for prelocation, pinpointing and correlation

The **SeCorrPhon AC 200** combines the characteristics of a correlator with acoustic water leak detection. This makes it an all-in-one device for leak detection, which brings together the three important functions of prelocation, pinpointing and correlation in one single, functional system. Users can react to any location scenario, even in the most challenging of conditions. Switching between the different functions or processes is simple and fast.

The **SeCorrPhon AC 200** makes structure-borne and ground-borne noises caused by leaks from water pipes audible to the human ear. The frequency spectrum is traced and made visible on the device, and the current acoustic intensity is shown as both a graph and numeric readout. The user can also see the pre-calculated volume settings and the current frequency analysis of the device on the display at all times.

To then carry out the pinpointing of the leak, the user uses the **TS 200** carrying rod and **BM 200** (for paved surfaces) or **BM 230** (for unpaved surfaces) ground microphone on the section found during the preliminary detection stage.

The **SeCorrPhon AC 200** transmits the acoustic signals and shows the intensity as a graph on the screen, pinpointing the leak with sufficient accuracy to allow confident excavation.

The acoustic features of the piezo microphone are outstanding: even the faintest of leaks or leaks occurring in noisy environments can be identified and detected. At the touch of a button, the **SeCorrPhon AC 200** will apply tailored filters to the current noises and will automatically select the appropriate frequency ranges. Filter limits can also be adjusted to accentuate the leak noise and to permit improved comparability between recordings (e.g. for use in databases or teaching/presentation purposes).

The **SeCorrPhon AC 200** is ideal for use for leak detection across all sections, materials, diameters and lengths of pipelines. Numerous additional functions are also available for complex location scenarios – whatever your leak detection requirements, this system will fulfil all of them.



Correlator and acoustic water leak detector combined

SeCorrPhon AC 200

professional – flexible – intelligent

- Easy and reliable operator guidance through applications
- Integrated audio player to compare leak noises directly on site
- Unproblematic measurement of various pipe sections, pipe materials, diameters and pipe lengths
- Sophisticated firmware allows the user an almost automated measuring process



Central Scanning



Multi award-winning 3D scanning and 3D printing specialists, Central Scanning Ltd, a Bromsgrove-based company, have been at the forefront of 3D scanning and 3D printing for over 13 years.

The company recently returned from Artec3D's annual resellers' conference in Georgia. Not only were Central Scanning honoured for being pioneering Artec3D resellers for the last ten years, they were presented with two further trophies – Best Pre-Sales Service and the prestigious Ambassador Award.

The Ambassador status is very significant, as it recognises just how well they are performing, or outperforming, within their market. They're one of the best Artec resellers in the world, and the only ones in the UK to have been crowned Ambassadors.

3D scanning is the perfect technology for the engineering world. It can be used to produce components and prototypes, as well as optimise existing outputs, far more efficiently and with more detail than most traditional solutions. Meanwhile, 3D printing enables engineering and manufacturing companies to verify and change designs more frequently and spend a fraction of the time and cost they'd usually spend in the process.

There really are no limits to what can be achieved. From checking pre-production parts and restoring classic cars, to shaving valuable milliseconds off lap times for high performance sports cars and producing carbon fibre race parts, the opportunities are endless, and the end results are single-handedly redefining outputs sector wide.

T 01527 558282
 info@central-scanning.co.uk
 www.centralscanning.co.uk

WeDo3DPrinting

During its immensely successful 7 years in the 3D printing retail sector, WeDo3DPrinting have simultaneously expanded their service wing to include complete digital manufacturing and specialised solutions. Their new digital manufacturing facility enables them to generate over 1,000 units per week for volume production runs.



In addition to handling high volumes of production, WeDo3DPrinting uses their technical capability to produce high detailed prints as well as large format 3D prints over a metre long. Laser cutting and CNC machinery now enable them to offer ancillary manufacturing services to complement their 3D printing. This perfect combination of a wide range of equipment, highly qualified engineers with experience and expertise of over a decade and proven track record of technical success, the WeDo3DPrinting team can offer bespoke solutions for a range of manufacturing demands.

Examples of their work at the show included highly detailed product prototypes, a production run of 2500 3D Printed parts as well as a 2.2m tall Saturn 5 rocket, printed in 8 days (the same time it took for the 1st manned moon mission). Still to come is the opening of a dedicated 3D printing trade counter in Sheffield where customers will be able to source a wide range of printer parts and filament.

Contact
 T 0114 327 1020
 Sales@WeDo3DPrinting.com
 www.WeDo3DPrinting.com

Andbarb

Andbarb, 'Fit, click, snap to fasten', enables instantly assembling components. Using an app, 3DP-Andbarbs are 3Dprinted into each component which are pushed together to lock. Andbarb is biomimicry inspired and works by two parts engaging like crocodile jaws.

The inner part fits into the outer, enabling interlocking barbs to grip and fasten. The design is calculated using evolutionary engineering to increase economy, functionality, security, productivity, connectivity, safety, quality, and profit. Andbarb has been independently audited and X-Rayed by Chart Materials Characterisation Facility, School of Metallurgy & Metals, University of Birmingham, UK.

This innovation leadership is recognized by Global Patents and Registered Designs and being a 'Finalist TCT – Industrial

Application Award 2018'.

There are four Andbarb models: Ranging from Fixed, to Instantly Detachable. In addition, there is a unique security enabled tool to assist assembly and dismantling. There are also Clamps for: frames, tubes or panels.

Individual designs combat counterfeiting and we are investigating providing 'Block chain' encryption for secure distribution.

Andbarb is a complete assembly system from Digital design to assembly for Industrial 4.0. that provides an Intelligent, automation or augmented assembly system.

Contact: John Anderson MSC
 john_anderson@andbarb.com



Laser Lines Ltd Supplying 3D Printing Solutions for 27 Years - and counting!

FDM | Polyjet | Metal | SLA | SLS | Bureau

Laser Lines offers a comprehensive portfolio of 3D Printers and 3D Production systems. The team has amassed over 100 years of experience selling and supporting the complete range of Stratasys FDM and Polyjet systems alongside the desktop Formlabs and Makerbot 3D Printers.



For metal parts there are the Desktop Metal Studio, Shop and Production systems, the Additive Industries MetalFab1 modular production system and the exciting SLS printers from Xact Metal.

In addition to the impressive list of printing solutions from world leading manufacturers, Laser Lines also offers a bureau facility and certified training courses to ensure you get the best out of your investment.

We are keen to help our customers with their purchasing or up-grade decisions and therefore offer competitive leasing options as well as generous Trade-in packages.



laserlines
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Industrial 3D printing from Incremental Engineering

Adoption of Additive Manufacturing can be daunting for OEMs and in particular for SMEs. We know, we have been down the road, from the point of 'what can it bring', to implementation so deep that it becomes intrinsic to a business and its success.

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- ▼ Production batch of fixtures for cable connector retention during oven treatment of epoxy
 - ▼ Various transducer brackets and fixtures
 - ▼ Bespoke cable guides and pipework clips
 - ▼ Motor mounting plates/adaptors
 - ▼ Fan mounting adaptors
 - ▼ Various bespoke bracketry for machine building

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parts in single parts or batch quantities, Incremental Engineering is bringing the advantages of Additive manufacturing to companies who are not fortunate enough to have such facilities in house.

With over 25 years of experience in product design, machine design, and instrumentation, Incremental Engineering is a world-leading SME which understands and addresses the needs and requirements of manufacturing SMEs.

If you would like to find out more information, or explore where Additive manufacturing could help, head to the website or get in touch using the contact details below.

T 01256 533838
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3T additive manufacturing



3T additive manufacturing is a market leading production additive manufacturing (AM) company providing 3D printing services for customers in a range of industry sectors. We manufacture quality production parts, on time, for end usage alongside one-off rapid prototyping in a range of plastic (polymer) and metal alloys.

Recognised by the quality standards that we have been awarded, we are the first 3D printing company in the UK to hold AS 9100 Rev D and ISO 13485:2016. We have also been awarded the BSI EN 9100:2018 for our production of plastic (polymer) parts using additive manufacturing.

Our portfolio of polymer and metal materials allows our specialist Application Engineers to assist your design experts to get the best results from your additive manufacturing concepts.

3T-am offer a wide range of services including design for additive manufacturing, rapid prototyping, development and serial production components. Our rigorous New Product Implementation (NPI) process ensures our application and part development is conducted through a stage gate process to ensure repeatability and reproducibility.

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The PULVERMEISTER Typ3



PULVERMEISTER GmbH announces the launch of its first machine, the PULVERMEISTER Typ3. This fully automatic machine for the post-processing of 3D-printed plastic parts using the powder bed process reduces the production costs for the finished individual part by up to 40%.

Its main area of application is series production in an environment where the effort and cost of manual post-processing is unnecessarily high or hinders the scalability of the production line.

Maximum yield with precisely adjustable waste powder quality creates the best conditions for complete recycling. Maximum reuse of the abrasive in the cycle ensures the highest possible waste avoidance. The quality of the end product is unsurpassed. The result is dust-free and can be processed directly.

PULVERMEISTER Typ3 uses only high-quality components from Germany. All process parameters can be set in the PLC system and used for quality assurance. The PLC system from Festo speaks OPC-UA. The PULVERMEISTER Typ3 was developed for industrial production with the aim of achieving the best quality at the lowest cost and highest reliability. The quality of the end product has been proven in months of practical use.

Please note the videos on our website: www.pulvermeister.de with the navigation to YouTube in the top right navigation bar. Several basic functional processes and the name are internationally protected. PULVERMEISTER Typ3 costs 239000 Euro, details can be discussed personally. A worldwide sales system will be established in due course.

Contact: Luigi Monaco, Managing Partner
T +49 (0)6021 58 946 16
monaco@pulvermeister.de
www.youtube.com/watch?v=QL-pwlpqTFQ

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Saracen Group: Exceptional workspaces for businesses



Industry Update is proud to announce that Saracen Group Ltd has been selected as our Commercial Property Company of the Month.

Saracen Group is a workplace consultant providing assistance in the commercial property sector, offering services from design and build to move and facilities management. Established in 1985, Saracen Group's services are underpinned by over 30 years of industry experience, with a supply chain grown and developed over this time to ensure top quality service at the best pricing.

Thanks to its highly experienced design team, Saracen Group has delivered numerous unique projects for clients in a variety of industries, and can help with



office design, fit outs, refurbishment, relocation, furniture sourcing, and finance options. As a leading British office refurbishment company, Saracen Group has the knowledge and skills needed to improve a business' potential with highly effective and creative space planning, making a working environment that will future-proof businesses of any kind.

Indeed, the pandemic has posed a range of challenges for companies across the world, and Saracen Group has been and continues to assist companies with managing large property portfolios, whether that's consolidations or space planning to ensure effective use of space. "We offer general risk assessments as well as health and safety requirements for a post-COVID working environment,



and assist with return to office solutions," said Jordan Fredericks, Project Consultant.

"Although the pandemic slowed the industry down in general, we have a number of clients we have worked with for many years. We're still assisting them with cost-effective solutions to ensure their property portfolio is cost-effective and managed correctly. Our team has adapted to adhere to the highest levels of health and safety during the pandemic while also ensuring the exceptional quality of our work is not compromised; despite difficult circumstances our projects are run to very stringent programmes and budgets."

Although working from home is now permanent for some, many are returning to the workplace as we try to move on following the pandemic. With so much time spent at work, interior design in the workplace matters. An efficient, good looking and well-designed working environment boosts employee morale, makes people feel more professional and supports



a strong community. It can also impact people's health and wellbeing, a key consideration with the heightened stresses of this year.

Despite the challenges of the last several months, Saracen Group is continuing to grow at a rapid pace expanding its portfolio of projects in all industries nationwide. If you would like to find out more information on how Saracen Group can help you with your workspace, head to the website or get in touch using the details below.

T 0208 226 2161
enquiries@saracengroupltd.com
www.saracengroupltd.com



Helping you move it, store it, and secure it



Industry Update is proud to announce that Exporta has been selected as our Product Handling Company of the Month.

Established in 1999 by current Managing Director Dale Paterson and his father Willie, Exporta supplies product handling goods such as pallets and containers, as well as expert advice on how best to either ship goods or store them in a warehouse. "We're here to help businesses move it, store it, and secure it, with the aim to save businesses time, money and space all while making sure they comply with various regulations," said Thomas Wood-Goulbourn, Marketing Executive. As well as high quality products and expert advice, Exporta also offers next day delivery to ensure peace of mind for its customers, with the aim to be a part of every team it supplies to.

Exporta's expert advice has become invaluable recently due to regulation changes brought about by Brexit. Now, any goods going out from the UK on wooden pallets must meet the EU ISPM15 regulations, which ensure pallets have been treated to eradicate pests and are then stamped to prove this action has been carried out.

Of course, demand and prices for these types of compliant pallets are on the rise, however there are alternatives. Exporta offers a range of Plastic Pallets which completely avoid the ISPM15 regulations, and are more hygienic and reliable. As well as keeping you compliant, Plastic Pallets offer numerous other benefits such as being lightweight and easy to handle, space saving, environmentally friendly, consistent in size and strength, easy to clean, and providing an improved return on investment over time. With a huge range of Plastic Pallets in stock and ready for next day UK delivery, Exporta is here to help you keep your supply chain running post-Brexit.

Of course, Brexit isn't the only challenge companies have had to face recently, with the COVID-19 pandemic affecting most businesses across the world. "The supply chain has had to keep moving throughout the year, and we've been there to support that. We're moving forward with a prepared attitude. We



know things can change quickly in the industry and we're prepared for these possible eventualities. We have a great team who are enthusiastic and who have embraced the challenges 2020 brought," Thomas explained.

Looking to the future, Exporta will be focusing on its commitment to the environment, which is always at the forefront of the company's thinking. "This is why we have an ISO14001 accreditation. We plan to bring in a simple system to help our customers understand how eco-friendly our pallets are."

If you would like to find out more information on everything Exporta can help you with, head to the website or get in touch using the contact details below.

T 0800 294 4394
www.exportaglobal.co.uk



The maintenance-free way to keep your conveyor running

Industry Update is proud to announce that Van der Graaf has been selected as our Power Transmission Company of the Month.

The company was established in 1948 by Meindert van der Graaf, who started a single man repair shop. This has developed over the years to become the worldwide manufacturing company, Van der Graaf, which developed the renowned GV drum motor. Currently, the family's third generation Joop Dekker is running the ever-growing company.

Van der Graaf is the manufacturer of the well-known GV drum motor, a one component drive for your conveyor belt with a motor and reducer integrated into the roller. Through its worldwide network of representatives, sales offices and production plants, Van der Graaf develops, produces, services, sells and promotes these drum motors for a huge range of sectors, including food, agriculture, recycling, internal transport, sorting systems, crushers and bulk handling.



The GV drum motor is the ideal maintenance-free drive for your conveyor, with all parts produced according to the latest high standards on a modern CNC machine park. The motors can be disassembled if necessary, and Van der Graaf offers flexible designs and delivery times to meet its customers' needs.



Thanks to its solid design and well-sized parts, the GV drum motor offers unbeatable quality, with hardened and grinded gears to provide a low noise level and long lifetime. The electric motor, gears and bearings are placed inside the drum, ensuring a solid and maintenance free design. High performance seals are used to prevent oil leakage and the ingress of water and dust, and all gears are made from high alloyed hardened steel.

What's more, the GV drum motor has no external components such as pulleys or chains, saving significant amounts of space. As a compact and durable alternative to a conventional conveyor drive, the drum motors are designed to keep conveyor systems running even under the most extreme conditions.

For almost all bigger types up to a diameter of 915mm, Van der Graaf has developed the motors with an integrated coaxial reducer to include a planetary reducer.

This allows for high torque and a low belt speed, making the motors extremely strong and reliable for the heaviest of applications.

Although the Van der Graaf's UK office is closed, the company has not been absent from the UK market. The company's goal is to continue to grow the market across the country, and is hoping to attend two trade shows in 2021, Hillhead and the PPMA show.

This is in addition to introducing its GV drum motor across the world, to support the company's steady growth while maintaining the highest standards of quality, reliability and service for



which it is known.

Are you interested in what Van der Graaf can do to drive your conveyor? Get in touch using the details below or head to the website to find out more.

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