

INDUSTRIAL PROCESS NEWS

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IPN

Friction guides made easy with Accuride's engineering excellence



Accuride® International, the leading global manufacturer of telescopic slides and sliding systems has turned its engineering and design expertise to friction guides.

Unlike a telescopic slide which utilises ball bearings for smooth movement, friction guides use a plain bearing surface and no rolling elements. The lack of exposed moving parts makes friction guides ideal for extreme environments where dust and dirt might be present. Compared to equivalent recirculating ball bearing slides, they are lighter, easier to use and engineered to minimise stress and wear on the friction elements.

The new guides showcase all the benefits that customers have come to expect from Accuride including ease of use, superior performance and designed-in reliability. The strong engineering pedigree has delivered a friction guide that, thanks to its

extra-tough anodised aluminium track and superior polymer guide, is hardwearing and long lasting. This longevity adds to the low total cost of ownership and also makes it an attractive alternative to applications that might be over-engineered with costlier solutions.

David Brooks is the Design Engineer behind the new guides and explains, "We have produced a product that goes beyond customer expectations yet still provides a cost-effective solution. Our new guides are lightweight, hard-wearing and easy to use as well as being an alternative drop-in solution for existing guides – and we're always available to discuss application suitability with our customers."

There are three variants in the new friction guide range; non-adjustable, auto-adjust and manual adjust with all contact surfaces engineered to produce uniform wear. The height, width and hole pitches all refer to the ISO 12090 standard.

T +44 (0)1604 761111
www.accuride-europe.com

Pendle chooses Boplan flexible safety barriers

Pendle Forklift Services of Earby in Lancashire have chosen Boplan HP Plus pedestrian barriers to protect staff, trainees and visitors at their Forklift Training Centre. Made from flexible polymer, the HP Plus handrails are the strongest version of the Boplan FLEX IMPACT® handrails. By adding a third extra horizontal rail and heavier posts, they safely separate and shield pedestrians from high-risk traffic zones where constant heavy manoeuvring takes place.

The barriers are made from a polymer which is flexible and shock absorbing. They will absorb impacts safely and then return to their original shape and position with no loss of ongoing performance. Also, the damage caused to the FLT will be far less severe than if it hit a metal barrier. The impact to the driver is reduced, minimising any injuries.

To ensure that the product is backed by an equally high standard of



service, Boplan has opened an office in Wolverhampton to deliver a local service for the UK. David Smith, Manager Boplan UK said, "We offer a wide range of quality and innovative products with specialist in-house design and development teams."

For more information, call 01902 824280 or visit the company website: www.boplan.co.uk

Cartridge filters lower cost of wine production

Amazon Filters announces that a major European winery has selected SupaPore FPW and VPWS cartridge filters to lower the operational cost of white wine production.

For several years previously the winery had been using competitors filter products to process 1.8 million litres of white wine at 2,000 litres/hour. However, with the ever-increasing costs of filtration and levels of service and support decreasing the wine producer sought an alternative.

After extensive testing, the Amazon Filters SupaPore FPW and SupaPore VPWS filter cartridges were found to provide superior filtration and better operational life at a lower cost than the previously used filters. Now in full production the Amazon Filters are not only ensuring the high quality of the white wine but also enabling the winery to bring it to market at a competitive and profitable price.

Manufactured from highest quality filter materials, contained within a robust polypropylene assembly, SupaPore FPW and VPWS cartridges are designed to meet the high and exacting standards seen in modern wineries. The optimised multi-layered



pleated depth media in SupaPore FPW cartridges offers high flow rates, excellent dirt holding capacity and superior retention levels making them an ideal clarifier for wine, in particular for pre-filtration.

Reduction in contamination concentrations in wines are calculated using log reduction values (LVR). Different combinations of SupaPore FPW and VPWS filters with validated LVR are available to ensure the user of optimum protection for both their process and the final product. All polymeric materials in SupaPore FPW and VPWS filters meet the US FDA CFR Title 21 standard and the requirements for food contact as detailed in European Regulation (EC) Number 1935/2004.

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2035 process analyser dedicated to Ortho- and Total phosphate phosphorus analysis

Metrohm Process Analytics presents the 2035 Process Analyser, an integrated solution for 24/7 online-monitoring of critical chemical parameters such as ortho- and total phosphate phosphorus in wastewater streams. Three fixed ranges are available for Low, Standard, and High TP situations.

Phosphorus removal is essential in wastewater treatment plants to ensure the environment is not harmed by discharged effluent. In the treatment facility it is important to know the o-PO4-P concentration in the influent stream to accurately determine the amount of reagents needed for chemical treatment. For regulation compliance purposes, treated effluent is monitored

for TP – the sum of all insoluble and dissolved phosphates present. The 2035 Process Analyser utilises a compact digestion cuvette photometer module to monitor both o-PO4-P and TP online according to DIN EN ISO 6878:2004-09. The analyser is configured to digest and oxidize wastewater samples in order to free orthophosphates from organics, and further reagents are added after the digestion step. Phosphomolybdic acid is formed, then reduced which enables a colorimetric determination of the intensely blue-coloured complex.

The 2035 Process Analyser can measure phosphorus concentrations online via colorimetric detection in three ranges:

Low TP: 0–150µg/L PO4-P, Standard TP: 0–5mg/L PO4-P, or High TP: 0–100mg/L PO4-P. From seriously polluted waste streams to the analysis of effluent after chemical treatment, the 2035 is ready to tackle the challenge.

This analysis can also be combined with additional measuring techniques such as pH and/or conductivity measurement, offering a more complete snapshot of your treatment process.

For more information, visit: www.metrohm.com, and download our free Process Application Note AN-PAN-1039.



SUEZ Water UK wins award

SUEZ Water UK works closely with TOTAL E&P to efficiently treat effluent produced by their Shetland Gas Plant (SGP) at an environmentally sensitive location in the remote Shetland Islands.



SUEZ Water UK has won a prestigious environmental award from the global oil and gas company, TOTAL, at their 2017 SHE awards. SUEZ and two internal TOTAL teams were awarded the 'Best Environmental Improvement Award' for their work on the effluent treatment plant at the company's Shetland Gas Plant.

The plant is a significant operation for TOTAL and it is based in an environmentally sensitive area in the Shetland Islands. For this reason, all effluent from the plant must be treated effectively to a high standard that has been set by the local regulator, SEPA, before being discharged to the local Yell Sound.

During the start-up of the Shetland Gas Plant, it became apparent that the feed water to the effluent treatment plant was significantly different to what had been originally foreseen and this was having an impact on the plant performance.

To solve this, SUEZ and TOTAL worked closely together and took a pragmatic approach to identifying and solving the issues. The site's drainage system was mapped and a sampling programme carried out to identify where the deviating feed water was coming from. This enabled the team to identify solutions to manage the problem at source, rather than just 'end of pipe'.

www.suezwater.co.uk

Skills shortage



Matchtech, the UK's number one engineering recruitment company, surveyed over 2,500 engineers from around the world for the first 'Engineering: Voice of the Workforce' study and found that while engineers in the UK water industry are

confident in the future growth of their sector, a huge skills gap still remains.

The research highlighted the extent of a significant problem within the sector, with 84% of engineers working in the water sector acknowledging that a skills shortage exists. Despite the shortage, confidence among those who work within the sector is relatively high, with 59% saying they are confident the sector will grow and increase its revenues over the next 12 months and 54% stating they believe their organisation will look to recruit in that time.

Confidence in career progression is also high with over half of those working in Water confident about their career progression over the coming 12 months, compared to just 14% saying they were not.

Stuart Minchin (pictured), Divisional Manager – Water & Environment, Matchtech, said, "It's clear that more needs to be done to promote the exciting projects happening in Water. There are a number of innovative projects in this sector such as the Thames Tideway, but we need to draw more attention to them to raise the profile of engineering within this sector."

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info@matchtech.com
www.matchtech.com

A&J FabTech Water Division celebrates £10 million milestone

Having spent over 20 years designing, constructing and installing structures for water treatment, A&J FabTech Water Division is celebrating hitting the £10 million order mark since the start of its own current 5 year investment and business development plan which started in 2014.

Mark Wright, Managing Director at A&J comments, "The water division came into being back in 1994 in order to formalise the supply of bridge scrapers, skimmers, thickeners and associated structures to the UK water authorities. This was also when our first 5-year plan came into being. Over the years we have refined our electro-mechanical designs and continued to improve the performance and reliability of the products. In-fact there are very few major water treatments in the UK that don't include some of our equipment.

We set our own planning, investment and targets in a five year cycle, as does the Water industry itself with the five-yearly Asset Management Plan (AMP) periods. We start ours before the AMP period ends and extend it through the main investment period during the middle of the

following AMP cycle. Prices for the water industry are obviously set by Ofwat at the beginning of each period, following submissions from each company about what it will cost to deliver their business plans, so we base the first years on known quantities.

It's our job to make sure our planning falls in-line with this industry cycle, and hitting the £10 million order intake mark this early in a cycle is a major achievement especially as the bulk of the investment in the current AMP6 period is still to come. We can see that most of the UK water authorities are going to have to spend quickly now to keep-up with the targets set for them for investment in infrastructure projects.

One of the reasons we retain our own design team and a large fabrication facility is to balance our work between, power, rain, water and general fabrication- this allows us to retain the capacity needed for when the peaks arrive in cyclic industry specific investment periods. There is investment to come from the UK water industry and we will be ready for it." A&J Fabtech Water Division offers a dedicated team of experienced

individuals, who provide the capability to design, manufacture and install a wide range of standardised and bespoke products for the water treatment industry, in addition to working with customers to problem solve on existing plant. At every stage the team is focused on engineering the best possible solutions to ensure that equipment evolves to become increasingly cost effective and efficient in service.

A&J is one of only a few UK based companies that not only design and manufactures a range of scraping equipment in-house but also has the capacity to meet the needs of the water industry and current legislation BSEN 1090, not just on rotating half bridges but on a full range of rotary scrapers and thickeners for both dirty and clean water applications. The company is also a registered supplier on the UVDB database and is UVDB Verify accredited.

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www.ajfabtech.com



A&J Fabtech Water Division is celebrating hitting the £10 million order mark since the start of its own current 5 year investment and business development plan which started in 2014

Suppliers of world leading direct park marking equipment



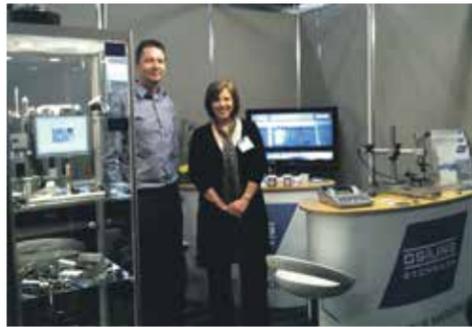
Industrial Process News is pleased to announce that Ostling Etchmark has received the Marking Equipment Company of the Month award.

Ostling Etchmark specialises in supplying state-of-the-art marking equipment. Based in Sweden, the Ostling companies were first established almost fifty years ago back in 1968 by Rolf Ostling. While this was happening in Sweden, a similar innovation was happening in the UK, with John Casey developing the same technology and founding the Etch-Mark Ltd company. Both Etch-Mark and Ostling shared ideas and technologies as they developed and ran their etching equipment businesses. In 2008, the Caseys retired and Etch-Mark became a part of Ostling Marking Systems.



Ostling's headquarters are based in Solingen, the heart of the steel industry in Germany, with a UK location in Stafford that gives it access to the M6, their West Midlands customers, and easy links to the rest of the country. The Ostling Group also has other divisions in multiple countries around the globe.

As global leaders in marking systems, Ostling Etchmark works with clients in order to find the most suitable marking solution for their job at hand, whether it be for branding, part numbering, traceability needs or more.



As all customers are different, with different projects, budgets and needs, Ostling Etchmark are relied upon to provide the most appropriate equipment thanks to their decades worth of experience and wealth of marking systems. From their base in the UK, Ostling Etchmark supplies a wide range of direct part marking equipment such as dot peen, electrochemical etch and laser marking machines and other necessary ancillary items.

What makes them stand out from similar companies is that they offer only high-quality products coupled with extensive client support. Ostling Etchmark's clients come from a large range of different industries, including but

not limited to aerospace, car manufacturing, engineering, chemical, food processing and more.

Right now, Ostling Etchmark are currently developing new high speed, high quality desk top fibre laser systems which boast a high power 20 watt system with an electrical z-axis, a large t-slot marking bed and a wide opening door. This innovative new product is expected to be a huge hit with both small and large manufacturing facilities, offering the many Ostling Etchmark clients a product to suit both production rates. There have been other exciting new changes to the company, including an increase in Research and Development personnel which will boost innovation at the German headquarters.

Ostling Etchmark attend numerous trade shows throughout the year in order to exhibit their vast range of varied marking equipment. They attend the MACH show every two years, with



the last one leading to a large number of new clients and projects.

If you are seeking top quality electrochemical etching equipment then be sure to get in touch with Ostling Etchmark to see the many solutions they can provide and how they can help make your project a success. To get in contact or for more information, please see the details below.

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Water, Energy & Environment News

CHURCHILL CONTROLS
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Mega_Link is a cost effective and versatile radio telemetry system for passing two-way instrumentation, measurement and control data between industrial plant and site locations. Our equipment is used by all UK water companies for fresh water supply, wastewater, land drainage and other applications include industrial, chemical works, landfill and boiler monitoring.

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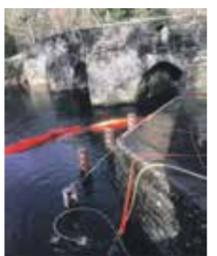
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Bridge made better

The Dipping Bridge is a four span masonry bridge which carries New Inn Road over the River Ogmore. Following an underwater inspection of the Dipping Bridge in Merthyr Mawr the east training wall on the downstream side of the structure was subject to severe undercutting and required an emergency mass concrete repair.



Due to the works being carried out during the fisheries embargo for spawning and migration, the water had to be monitored throughout the duration of the repairs and works had to stop if there was any overburden of suspended silts within the watercourse outside of the silt curtain. If this was the case works could then resume when the river had cleared.

Shuttering was lowered into the water and assembled along the length of the undercut. The underpinning works was carried out in 4 individual lifts due to the height of the repair.

The void was measured to ascertain the volume of concrete required for each lift, a tremmie tube was positioned within the shutters and the void was filled until the required level reached. The shutter was checked regularly to ensure no leaks appeared during the pour and the concrete vibrated periodically to prevent any air pockets or honeycombing, and to ensure that the concrete spreads into the entire void. The concrete was allowed to cure and the shutter stripped and the silt curtain will be removed on completion. The bridge was then strengthened, protected and safe for years of future use.

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www.kaymacmarine.co.uk

MaxiFlow 30-C



Introducing the MaxiFlow 30-C Nitrogen Gas Generator: the latest offering in its high-spec equipment portfolio. MaxiFlow 30-C is a medium flow, medium purity Nitrogen generating system, with an

integrated air compressor, making it an all-in-one 'plug & play' option. Perfect for areas where space is limited, but reliability is crucial.

Designed to deliver flow rates of nitrogen from 15 to 30l/min, this generator is able to transform compressed air from its integrated compressor into 99.99% Nitrogen, eliminating cylinders from the workplace and offering a consistent and dependable alternative.

Nitrogen is produced by Pressure Swing Adsorption Technology and users benefit from low service costs and long product life.

In addition to our nitrogen generator range, we also supply world class air dryers and air treatment products for a range of systems and needs.

T +44 (0)3332 000502
info@titan-n2.com
www.titan-n2.com

Edwards invests in improving solutions for vacuum pump lubrication

Edwards Ultragrade™ Performance vacuum lubricants are ideal for industrial and high vacuum applications. Developed specifically for applications that require low vapour pressure while working at high stresses and high temperatures, they can be used in larger heavy duty as well as in smaller vacuum pumps. The newly branded 'Ultragrade™ Performance' oils benefit from improvements in formulation, handling and packaging that together result in a finer product for customers dependant on high grade lubrication for their oil sealed vacuum pumps.

"As a technology in the field of vacuum our customers expect affordable reliable solutions from us," said Eckart Roettger, President of the Vacuum Technique Service Division. "Unlike the oil you might find in your car that must be changed every 30,000 km, the oil used in many vacuum pumps must work for the equivalent of 2.5 million km. The challenge is in delivering this performance combined with the versatility required to suit every application that we need to serve."

Edwards' Ultragrade™ Performance can deliver some of the most exceptional performance possible from a mineral



based oil. Ultragrade™ Performance base oils are refined without the uses of solvents for extreme purity. The base fluids are combined with selected additives to provide a formulation resilient to the stresses of mechanical pumping. Finally, fluids are blended to achieve a selection of products that can be exactly matched to different pump types and applications.

Further information about Edwards can be found at:
T +44 (0)1293 528844
pr@edwardsvacuum.com
www.edwardsvacuum.com

New smart electric valve actuator from J+J



New from the European electric actuator manufacturer J+J is the 'S' Type, the latest model in the hugely popular J3C

range of plastic housed electric actuators, available from stock at J+J Automation UK's Matlock works. The 'S' denotes their patent pending single multi-voltage capability with automatic voltage sensing, another first for the leaders in electric valve actuator innovations.

The hugely popular LED light that provides users with high visibility continuous actuator functional status feedback is upgraded to multi-colour to add more at-a-glance feedback information. All J3C-S Type electric actuators

are stocked as on-off, but can be quickly and easily converted to failsafe or modulating using the user friendly plug and play conversion kits.

All external electrical connection so simple, quick, easy and with minimal labour costs to install.

Contact
T +44 (0)1629 55577
sales@jjautomation.com
www.jjautomation.com



Non-corrosive cooling in all situations

In applications with stringent requirements for corrosion resistance, stainless steel connectors of the Eisele INOXLINE are the perfect choice. Especially in laser applications, which often use deionised water for cooling, they achieve very long life cycles and reduce maintenance intervals in comparison with alternative materials such as brass.

Laser cutting and laser welding processes not only generate heat, but also spatter and sparks, or the combustion gases and aerosols in the vicinity of the weld seam or kerf can affect the coolant connections. Stainless



steel connectors of 17 and 17A series of the Eisele INOXLINE with a release sleeve are especially suitable for this application. The release ring used in conventional push-in connectors

often becomes immovable by weld spatter. By contrast, the Eisele release sleeve leaves no free space for such accumulations. This means that the connectors are still easy to open even after extended use. That is why Eisele connectors have long been used for welding applications in the automotive industry.

Stainless steel 1.4301/07 features excellent protection against corrosion and is resistant to the vast majority of media, as well as high temperatures. Stainless steel connection components are therefore very durable and reliable. All components are machined from solid material and can easily be combined with all other materials. Due to the large range of high-quality sealing materials, including Viton and FFKM, suitably designed push-in connectors of the Eisele INOXLINE can be used at temperatures from -50°C to +200°C.

www.eisele.eu/en/products/inoxline/
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www.eisele.eu/videos/

Actuated Solutions, a business built on experience and a commitment to unparalleled service

Actuated Solutions was started in 2003 as a joint venture between Paul Slaughter and Chris Hickey. The pair previously held senior positions for a large multinational provider of valve automation products. When the firm closed its UK office, Paul and Chris decided to give the market what it had been crying out for: better quality products, at a better price, sold with better, faster service.

From the start, Actuated Solutions won the confidence of two of the world's leading

actuator manufacturers: HK Contromatic, a South Korean producer of the HQ Electric and HP pneumatic actuators along with the APL range of switch boxes; and Quifer – a Spanish company that manufactures the KP/KPM rack & pinion and KSY/KSYM scotch yoke pneumatic actuators. Both brands are still represented by Actuated Solutions today.

Carving out a place in the market To capitalise on the smaller size and independence of the fledgling company, and to uphold the core value of never

letting customers down, it was agreed all profits would be reinvested. By taking this action, the firm was able to maintain higher levels of stock than most of its competitors, subsequently setting itself apart in the market by offering a quick and agile partnership.

When other providers were unable to deliver, Actuated Solutions could pick, pack and ship on the same day – something that they still strive to do for every customer. Paul comments, "Something that frustrated us both was the impact of internal politics and bureaucracy on customers of large, cumbersome corporations. They were slow to react to the changing needs of the market and were often unable to supply customers with the right product, at the right time, at the right price."

"Part of the reason we started Actuated Solutions was to challenge the status quo and give the market greater availability of a range of quality-made, fairly priced valve automation products. Our aim has always been to get what's needed, where it's needed as quickly as possible. Now, I'm proud to say, customers choose us for the products we stock, and come back to us for the service we provide."

Going from strength to strength In 2003, it was just Paul and Chris in a small 500 square foot unit. They both worked from

top to bottom – chasing invoices, picking and packing orders, building products, generating new business, attending trade shows and working around the clock to make their start-up venture a success. In its first year, the company sold just over 800 actuators, now it sells over 10,000 and turnover has increased every year apart from during the recession of 2008.

In 2011, the company took the bold step to offer high quality European-made scotch yoke actuators for the oil & gas market. Proving to be a good investment, Actuated Solutions now offer KSY/KSYM actuators up to 100,000NM with SIL3, ATEX and GOST certification.

Fast forward to the present day and home is now a 7,500ft² unit, which allows Actuated Solutions the space and capacity to stock and sell off-the-shelf actuators alongside custom-built automated valve solutions. The company also supplies accessories such as switchboxes, solenoids, positioners and gearboxes.

Its competitive edge, coupled with the business owners' credibility, reputation and connections in the tight knit industry, has since seen many customers move to, and remain with, Actuated Solutions.

For more information, please visit:
www.actuated-solutions.co.uk



BDP ATEX pump range from Gespasa

The Gespasa BDP high-flow, explosion proof range of vane pumps are self-priming, positive displacement, and continuously rated. The BDP pumps in the collection are suitable for use with diesel, petrol, kerosene, and other clean, non-corrosive liquids.

Transfers using the range of BDP pumps are quick, uniform, and inaudible for a simple operation. Constructed from IP-55 hard-wearing die casted iron housing, the pumps are ATEX EExd IIBT4 certified for use in hazardous environments.

Featuring an operation pressure of 3.5 bar and a maximum of 800 rpm, the pumps also have built-in bypass valves for heavy-duty applications.

With sizes from 1.5" to 3", and flow rates from 200 L/min to 1,000 L/min, these pumps are specifically designed for high volume transfer, S-1 service, fuel tank filling and discharging and storage of fuel. Motors are available in 230/400vAC and 400/660vAC, depending on the model.

Bell Flow Systems are the main UK distributor for Gespasa's range of products. Gespasa are a Spanish fluid technology company manufacturing a wide range of fuel pumps and flow meters for diesel, petrol, oil, and adblue.

Contact
T +44 (0)1280 817304
sales@bellflowsystems.co.uk
www.bellflowsystems.co.uk



Verderhus®



Verderhus® screw centrifugal pumps are suitable for the handling of flow-able slurries, sludges and solid-laden media such as in wastewater treatment like thick sludge, sewage and the recirculation of lime chemical. The range of excellent utility in agricultural and related facilities such as chicken necks and bone-laden animal waste in abattoirs and macerated food or crops in the production of bio-gas and more.

Advantages Verderhus screw channel pumps

Verderhus® screw centrifugal pumps combine the best features of centrifugal and positive displacement pumps to define a new standard for low head and high-flow pumping. Verderhus® screw-channel pumps are suitable for the handling of flow-able slurries, sludges and solid-laden media where traditional centrifugal pumps would struggle and positive displacement pumps would have a more expensive life cycle cost.

Excellent areas where the Verderhus® excels is in wastewater treatment such as thick sludge, sewage and the recirculation of lime chemical.



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- Low NPSHr
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- Viscosities to 3,000 cps
- Max. flows 1,500m³/h
- Max. Head 55mwc.

Application areas

Biogas, chemical processing, Construction, Food & beverage, Industrial processing, Mining, Paper & pulp, Pet-food processing, Power stations, Slaughterhouses, Waste water treatment.

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Intuitive Touch-Screen Technology*



www.vantage5000.com

Keeping the outside out and the inside clean



Industrial Process News is extremely proud to present The CleanBoot UK Ltd as its selected Safety & Protection Product Supplier of the Month.

Show your customers you care with the Original CleanBoot – a durable, lightweight and reusable overshoe which protects customers' properties from dirt and damages. Designed as an innovative alternative to plastic over shoes, which fall apart and break after just one use, the CleanBoot is made from neoprene, making it entirely reusable, recyclable and even environmentally friendly.

The company was established back in 2013 by Darren Blanche who has worked in the building industry for many years. Whilst using plastic overshoes in an attempt to keep customer properties clean, Darren grew tired of using so many each day because they would rip or fall apart, and wanted to find a better alternative. He discovered the CleanBoot in Australia, and,

after seeing how impressed his customers were, wanted to bring the idea to the UK.

"The CleanBoot demonstrates the care and respect workers have for customers properties, therefore generating customer satisfaction as well as referrals for repeat business" commented Darren. "Not only do they keep properties clean, saving both time and clean-up costs, but they also look professional and give your company an edge over competitors.

"While using plastic over shoes, I was going through around 5/6 pairs a day! But The Original CleanBoot lasts up to 6 months and is completely recyclable at the end of its life. As plastic bags have now been banned in so many places, there is a wonder why plastic overshoes would still be given to workers? The Original CleanBoot is the ideal solution, with its patented grip sole that even gives grip for safety and traction on most work surfaces.



"Simply place over the top of shoes or boots when entering customers' homes and let The Original CleanBoot "keep the outside out and the inside clean."

The Original CleanBoot can be used anywhere that needs to be kept clean. It is the ideal solution for tradesmen who enter customer properties either as a single visit or on a regular basis. However, the company are always getting enquiries from unexpected customers. Just recently, NHS care workers have decided to trial the CleanBoot for their remote care workers. As it is a health and safety regulation not to take your shoes off when entering properties, the care workers wanted to find a way to keep to prevent bringing dirt in from their shoes – the CleanBoot was the perfect solution. They are also popular with abseiling window cleaners to prevent their boots from damaging client's glass.

CleanBoot UK Ltd has just released a new size to their range, meaning they now cater for every size. There are 5 different sizes to choose from, XS, S, M, L and XL.

"Our aim is to raise awareness for the CleanBoot and encourage people to use them as an alternative to plastic overshoes," concluded Darren. "My aim is to completely eliminate the plastic overshoe as they are not only useless, but extremely damaging for the environment.

"From our base in Oxfordshire, we distribute

our CleanBoot's around the UK and Ireland, but they are also available from distributors worldwide. Get in touch today to find out how the CleanBoot can improve the look of your workers, save you money and even help protect the environment."

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Promoting knowledge, skills and good practice

Industrial Process News is incredibly pleased to present The Energy Institute as its selected Professional Body Association of the Month.

The Energy Institute (EI) is the professional body for the energy industry, developing and sharing knowledge, skills and good practice towards



a safe, secure and sustainable energy system. The highly respected organisation supports over 23,000 individuals working in, or studying energy and 250 companies worldwide, promoting knowledge, skills and good practice to the industry and beyond.

Through a range of training courses and publications, the EI actively provide learning and networking opportunities to support professional development as well as professional recognition, technical and scientific knowledge resources on energy in all its forms and applications.

"In a competitive world, the professional body is a vital partner to individuals wanting to boost their career or to organisations wanting to contribute to the advancement of industry knowledge," commented Training Manager, Marjan Azodi. "Members of the organisation can benefit from being able to attend a wide range of events and networking opportunities as well as being provided with knowledge, guidance and discounted training courses.

"We have a strong committee of technical partners which get together every year to discuss relevant topics, identify gaps in the industry from which we develop new publications, training courses and events. This is to ensure that members and the wider industry are up to date with the latest industry developments and trends."

The EI provides training for the energy industry and beyond (including health, pharmaceutical and

manufacturing) relating to Energy Management, Oil & Gas, Health & Safety and Risk Management. The EI has taken advantage of its long-standing experience and expertise and developed a comprehensive training portfolio to support employees and organisations in these areas.

Process Safety

The organisation has recently begun delivering an open course which is based on The Energy Institute's Process Safety Management framework.

The course provides an introduction to Process Safety Management and an overview of all the elements. It is a great learning opportunity for anyone using the framework or for those who are interested in implementing the framework to improve their process safety.

The EI was set up in 2003 as a registered charity to serve society with independence, professionalism and a wealth of expertise in energy matters. It was the result of a merger between the Institute of



Petroleum (IP) and the Institute of Energy (InstE), both of which have a proud and distinguished heritage developed over many years supporting their particular energy sectors. Over the years, these sectors have converged, creating an integrated global energy market which has been mirrored by the development of the Energy Institute.

It is licensed by the Engineering Council (UK) to offer Chartered, Incorporated and Engineering Technician status to engineers, the Science Council to award Chartered Scientist status, and also licensed by the Society for the Environment to award Chartered Environmentalist status.

For more information or to find out how to become a member, contact The Energy Institute on:

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range of products and equipment available. Student progress is closely monitored to ensure team leaders and managers are kept informed, and courses are constantly reviewed, to ensure



All courses have been created to a high standard and make sure cleaners can understand the wide

they are up to date with the latest trends and products in the industry.

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Floor cleaning machines

Rotowash makes a range of floor cleaning machines that are used extensively on hard floors, safety floors, outdoor decking and carpets.



Rotowash has a significant presence in both the private and public sectors with many hospitals, schools, care homes, hotels, vets, office complexes & leisure clubs entrusting their cleaning regimes to its equipment.

The system works exceptionally well on textured surfaces, such as slip resistant flooring, tiles, sports surfaces and carpets, and carries many endorsements from leading flooring manufacturers. Rotowash uses up to 90% less water and chemical than other systems, and because it is portable, one machine can be used throughout the premises. With colour coded brushes one machine can be safely used in bathrooms, kitchens and general areas without fear of cross contamination.

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Armstrong laundry equipment keeps up with demand for clean workwear on Christmas turkey farm

Walters Turkeys, situated in beautiful countryside on the Berkshire Downs, has been producing top quality free range and organic turkeys for the Christmas market since 1971. It is a friendly, family run business which now produces some 12,000 turkeys every year, all of which are dry plucked and hand finished on the farm.

The five weeks before Christmas when all the turkeys are processed is, unsurprisingly, frantically busy for all the 45 staff working on the farm and there is a continuous need for clean

overalls. In the past they managed with domestic laundry equipment, but as the business grew they needed quicker, more robust machines to ensure the laundry kept up with demand. So just over two years ago Armstrong Commercial Laundry Systems supplied and installed a Horizon stacked washer/dryer unit.

According to Kate Walters the machines have been a great success. "We have been very pleased with them," she told us. "They are in constant use throughout the busy five weeks leading up to Christmas; the cycles are thorough and quick and keep up with the demand for clean overalls. The rest of the year they are still used for staff workwear, but the demand isn't anywhere near as high."



Contact
T +44 (0)1635 263410
enquiries@armstronglaundry.com
www.armstronglaundry.com

TCFM and Remploy shortlisted for award

A partnership between TC Facilities Management (TCFM) and Remploy, the disability employment specialists, has been named as a finalist for the PFM Awards 2017 in the Partners in CSR (charitable and social enterprises) category.



The PFM Awards, now in their 24th year, celebrate and champion best practice from across the FM sector.

This year the finalists will be judged by a number of industry experts, including Les Pyle - CEO of ICW and Satvir Bungar, Managing Director (and National Head of Facilities Management Sector) at BDO, in this category.

TC Facilities Management, through its partnership with Remploy and other welfare to work organisations for over ten years, has supported more than 1,000 people with a disability into sustained employment.

Matt Reed, Remploy's Employer Services Director, said, "I am delighted TCFM has been shortlisted for the Partners in CSR (charitable and social enterprises) award. It has shown real commitment to disability confidence, supporting more than 1,000 people with a disability into sustained employment in the last ten years. It enables people with a disability or health condition to showcase their skills in a supportive workplace environment and TCFM's drive to create a truly diverse workforce is evident right across the organisation."

The winners of the PFM awards will be announced at a glittering black-tie event to be held in London on 1st November.

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and manufactured in house are now in demand from industrial clients.

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EXTERNAL PRODUCT RANGE (ECP): Proven Technology and Results - The ECP range of coolers can be installed externally or inside a plant room. The units are available as down, top and side discharge configurations which allows for easier installation in some buildings. ECP units are also available in a range of sizes which can decrease installation costs for larger areas.

INTERNAL PRODUCT RANGE (ECT): Compact and Flexible Solutions - The ECT range of coolers are designed to be installed internally. They have multiple configuration options to allow for easy installation into rooms with limited space.

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A leading retailer was experiencing temperatures of more than 40°C during the summer months in their UK distribution centres, with staff describing the working conditions as unbearable. The high temperatures also resulted in staff having to take regular water breaks. There was no choice but to look for a feasible cooling solution for the facility. The cost of conventional air conditioning for the whole centre would have been unrealistic. EcoCooling's evaporative cooling and air handling solutions has provided the cooling they required to maintain bearable temperatures for a cost effective installation and at a sensible operating cost.

If you are having temperature problems in your building, please contact us on the number below. More information and case studies are available on our website.

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With over 3,500 installations worldwide, UK based EcoCooling is an innovator in low energy, direct evaporative cooling and ventilation technologies. It has developed energy efficient cooling solutions to suit all types of buildings.

Founded in 2002 EcoCooling provides energy efficient and low carbon alternatives to air conditioning.

Developed from one of the oldest and simplest technologies known to man, EcoCooling has taken the concept of direct evaporative cooling and reengineered it to provide a sophisticated cooling and ventilation system that can outperform the alternatives on most counts.

Each EcoCooling unit sits as part of a mechanical ventilation system, bringing in fresh air most of the time while it is cool and then using evaporative cooling when temperatures rise (the automatic mixing of hot and cold air) to maintain the required environment inside a building.

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 We are currently developing a new recycling technology for Lead-acid batteries in partnership with Cambridge University, which offers a zero emissions, zero waste and virtually carbon neutral recycling performance to yield both a Lead metal, and Lead Oxide paste suitable for direct supply to battery manufacturing. Patents have been granted around the World for this technology, and Aurelius has exclusive worldwide technology rights to its deployment.

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Wind turbine multi detection sensor



Using kinetic energy from the wind to produce power, wind turbines are becoming a vital source of renewable energy for many countries in their efforts to reduce their needs of fossil fuels and lowering their carbon footprint.

Standing as tall as 120 metres in some cases with rotor diameters of 94 metres, it is important to know when the turbine is not performing optimally before more severe problems arise. Detection of ambient vibration in excess of normal tolerances or angles on the rotor that exceed specification limitations are just two examples of what our Smart Sensor does to ensure this vital application functions as it should on a daily basis.

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Mobile ECS unit

To improve the practicality of its eddy current separator, particularly for recycling sites that stockpile large amounts of feed materials, Master Magnets ECS systems are now available as a mobile tracked machine.

Master Magnets worked closely with Steelweld Fabrications to produce a machine that met its requirements in terms of design, ease of use and durability and which would still be cost effective for the user.

The MasterTrax incorporates a 1500mm wide Master Magnets ECS with a Rare Earth Drum Magnet for the removal of fine ferrous metals. Other features include a vibratory feeder, three integrated inclined discharge conveyors with hydraulic

folding, 65kW generator (can also be powered via mains supply) and on board working lights and an air compressor for cleaning.

Rob Symons, owner of CRJ Services and user of the new MasterTrax, says "As a company that specialises in the hire of large plant and equipment, we need machines that we are confident our clients can rely on. The demand from our clients for a mobile ECS unit was increasing so we worked with Master Magnets on the design before teaming up with Steelweld to turn our vision into a fully operational production machine. We now have two in our fleet"

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Deal with the challenges of tomorrow today!



Industrial Process News would like to congratulate Sortimo on being named as this issue's Company of the Month.

Sortimo is a specialist in vehicle conversion that was first established back in 1973 by founder Herbert Dischinger.

Sortimo has its headquarters in Zusmarshausen, Germany, with its main UK base in Warrington. They also have a conversion centre in Oldbury and an extensive network that stretches across the UK and Ireland.

In the UK, Sortimo's main focus is on LCV conversions. They work closely with clients to develop efficient and effective solutions to their workplace issues. These can transform everything from workflow processes to productivity to work safety. One of their most sought after products is Prosafe, an integrated lashing system from the rack to the floor that allows equipment to be secured in a more efficient manner.

A great many of their products use Composite, a fibre-

reinforced material made of high quality fibres and resins that is both impact-resistant and scratch-proof. Perhaps one of the most popular products is the Workmo, which stands for Work Mobility. This clever multifunctional system can be used as a workshop station, transport system, mobile workshop or work bench.

Sortimo designs its products with the mobile technician in mind, with products, parts, tools and modules designed to boost mobility, productivity, efficiency, safety and ease. Their clients range from plumbers to electricians, to decorators and IT/Telecom service technicians and more.

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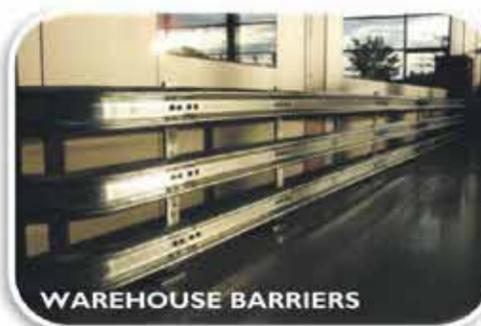
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Watkins Hire rolls out new WASPS service to cover mandatory steam boiler inspections and emergencies



A leading UK packaging manufacturer is among the first companies to sign up for the pioneering Watkins Annual Steam Protection Service (WASPS), which guarantees business continuity during mandatory steam boiler inspections.

All steam boilers are subject to an annual insurance inspection, resulting in downtime for the boiler and potential interruption of manufacturing.

The standard solution is to hire a temporary boiler; however, equipment availability cannot always be guaranteed, leaving manufacturing facilities potentially exposed and open to rapidly escalating downtime costs.

To address the problem, Watkins Hire introduced its WASPS scheme to guarantee customers access to a dedicated boiler package to cover downtime of steam plant for all

locations, with an agreed number of transport movements and commissioning charges for a fixed monthly fee.

One of the first companies to sign up for WASPS is a leading UK packaging specialist with five manufacturing sites across the country, all using steam as a critical element in the production process.

Its interest in the scheme was sparked following an annual steam boiler inspection at one of its sites in December, which had to go ahead without a replacement hire boiler unit due to lack of availability, because of seasonal demand over the winter.

The forced shut-down resulted in an unplanned loss of production, resulting in additional costs and delays to orders.

The WASPS contract now in place ensures

availability of a replacement boiler package for all annual steam boiler inspections at all of the company's sites, to ensure continuity of manufacturing. The agreement covers a six year period, (3 + 3 year extension).

The first stage is a comprehensive site survey carried out by Watkins' specialist team, to identify the plant support requirements across the customer's estate. This resulted in a 7000kg/hr 250psi trailerised steam boiler package being specified to cover all planned steam down-time.

Once the ring-fenced boiler support package is in place, Watkins' team liaises closely with key staff at all sites to programme anticipated annual inspections and co-ordinate boiler supply logistics to ensure it is always available when and where needed.

When the temporary boiler plant is not on a customer's site, it is held by Watkins on permanent standby to cover emergencies resulting from breakdowns or unplanned maintenance.

The arrangement overcomes the need for substantial capital outlay on new plant by the manufacturer, replacing this with a monthly payment that for tax purposes can be treated as a standard business expense.

The WASPS agreement includes full servicing and maintenance costs for the boiler rental plant for the duration of the contract, ensuring equipment is always in tip-top condition with no unbudgeted expenditure.

Terry Stevens-Smith, Watkins' director – National Accounts, says, "Mandatory inspections of steam boilers are a vital part of the safety and insurance regime for this critical piece of equipment.

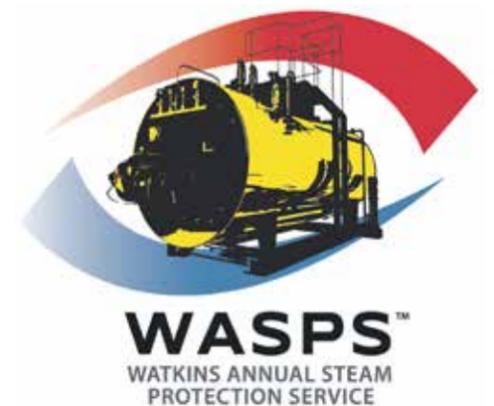
For manufacturers who depend on such plant, however, it often presents a significant logistical challenge, due to the importance of such plant for industrial processes and manufacturing.



"The WASPS package provides complete peace of mind for end users in this position, ensuring continuity of manufacturing, budgetary certainty, and providing a valuable additional safety net in the event of plant breakdown.

"We are in discussions with a number of companies who are similarly reliant on steam plant, and believe this contract will be the first of many similar agreements in the near future."

For more details, call 0800 999 6365 or email: hire@watkinshire.co.uk or visit the website at: www.watkinshire.co.uk/wasps



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Major hospital acts to ensure continuity of heating in the event of boiler system failure



A major UK hospital has implemented an emergency contingency plan to ensure continuity of heating and hot water to wards, operating theatres and offices in the event of failure of its primary boiler system.

The FM company responsible for building services on the large site has contracted Watkins Hire to provide a high efficiency standby boiler system to replace the main boiler in the vent of failure, under the hire specialist's Temperature Control Emergency Planning Services (TCEPS) scheme.

For more details, call 08009 996365 or email: hire@watkinshire.co.uk or visit: www.watkinshire.co.uk/tceps

One source for asset protection solutions

With roots dating right back to 1983, Mistras Group Ltd is one of the world's largest suppliers of integrity and inspection services. Tailoring their package to suit the needs of the Oil & Gas, Wind Energy and Infrastructure industries, the company provide innovative asset integrity solutions for all projects using enhanced services that include asset monitoring, engineering services, advanced and conventional NDT.

Based in Cambridge, the company was first established as Physical Acoustics Ltd and changed its name in 2008 in line with their parent company, which now trades under MISTRAS Group Inc. prior to becoming a publicly-traded company on the NYSE (MG). Following their substantial success over the years, the organisation has grown significantly,

establishing five sites across the UK including its original base in Cambridge, and four other facilities in Bridgend South Wales, Rotherham, Hartlepool and Aberdeen.

UK Marketing Manager, Peter Hurn told us more: "At Mistras, we combine our industry-leading products and technologies with our 24/7 online critical asset monitoring, mechanical integrity (MI) and non-destructive testing (NDT) services. With this, along with our proprietary world class data warehousing & analysis software, we can effectively provide comprehensive and competitive products, systems and services solutions from a single source provider."

Just one example of how their expert services benefit customers is the NDT Inspection of Trunnion Supports, which found severe corrosion on process



pipe work. During the inspection, the Mistras team encountered a trunnion which displayed evidence of severe corrosion on the process pipe work within the trunnion area. Due to the severity of this corrosion and the nature of the pipe work under inspection this discovery warranted immediate reporting to the platform Inspection engineer.

Mistra's solution was the use of proprietary technology which allowed the efficient scanning of the trunnion area by using an ultrasonic based method that provides a guided wave scan covering the trunnion footprint. Depending on the size of the trunnion it's possible to obtain a full trunnion scan in one scan. Larger trunnions will require scans from multiple sides to give full coverage but in average it's possible to fully inspect a trunnion within 30 minutes depending on the size of the trunnion and severity of the corrosion.

The main benefits of this method is its fast screening (typically 30 minutes per trunnion / location), minimal personnel (usually 1-2 technicians depending on scope of work), minimal equipment (typically one UT set sized unit with probes and leads), easily deployable by rope access, and A and C scan images on a typical colour pallet for easy defect identification, and categorisation.

"Our mission critical services and solutions are delivered globally and provide customers with

the ability to extend the useful life of their assets, improve productivity & profitability, comply with government safety and environmental regulations and enhance risk management operational decisions," Peter explained.

"Our aim is to double turnover in next 3 years whilst continuing to be the leading "one source" global provider technology-enabled asset protection solutions."

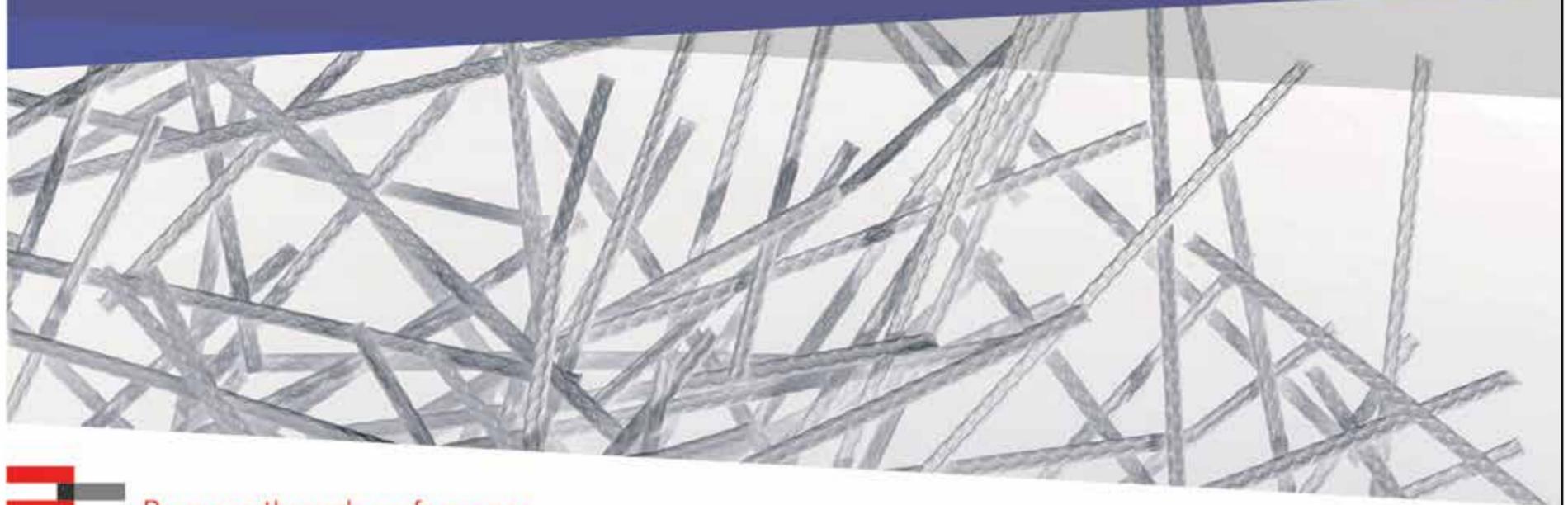
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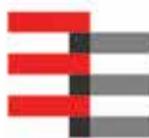
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Sheep dip your removable storage devices to reduce the threat of cyber attacks

The Blue Coat ICS USB Scanner is an essential device for any business that holds security, reliability and customer satisfaction at the forefront of its operations. Offering Industrial Control Systems Protection (ICSP), this scanner solution enforces consistent security compliance to guard your site regardless of its size, complexity or environment.

Back-End – A blank USB drive is plugged into the scanner and checked for viruses. Once proven clean, a malware cleaner and end-point driver package will be installed onto the flash drive, which can then be plugged into your Human Machine Interface panels. The device will then, in turn, scan the HMI's for malicious content and install the driver package.

Front-End – Personnel will need to scan their removable

storage devices for viruses and will be presented with one of three outcomes:

- If clean, the device will receive its electronic signature to enable its use on the company machines and will pass as validated
- If an error occurs during processing, it will be partly validated – that is, the files that failed to scan will be inaccessible, but the rest of the drive will be scanned
- Any detected viruses can be cleaned, deleted or ignored but, if ignored, the device will be unable to connect to any onsite HMI

Blue Coat ICS USB Scanner provides the following features:

- All-in-one, ruggedised, IP64-compliant computer
- Front-facing access to USB ports

- Resistive touchscreen
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Global Shop Solutions customer services team loves, cares, and serves others

Global Shop Solutions, an international developer of ERP software for the manufacturing industry, supported two local non-profits to change the



lives of those who need it most. With a long history of supporting the community, Global Shop Solutions partnered with Hope's Path, an organization that uses a faith-based community approach to direct foster youth towards confident and sustainable independence, and with the Montgomery County Women's Centre (MCWC), a centre that provides resources, counselling, housing and more to women and children who have suffered physical or sexual abuse.

As part of its annual team building week, the nearly 100 employees of the Global Shop Solutions' Customer Services Team broke into several groups to improve the functionality of at the facilities at MCWC and Hope's Path. The group at Hope's Path organized the library and food pantry, cleaned out and organized the resource room, hung blinds, and more.

"Global Shop Solutions is about loving, serving, and caring for the communities we live in around the world," says Nick Knight, Director of Customer Services for Global Shop Solutions. "The projects we were involved in at MCWC and Hope's Path represent the spirit of Global Shop Solutions. It's a special honor to be a part of this company."

For more than 40 years, Global Shop Solutions has engaged in ongoing efforts to support local service projects. Recent charities and service projects company personnel have participated in include Toys for Tots, Sunshine Spaces, feeding and taking care of the homeless in Montgomery County, and In the Pink, a charity benefit to support cancer survivors.

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3 YEAR Warranty



Class 5 Rotary Docking Torque Tool

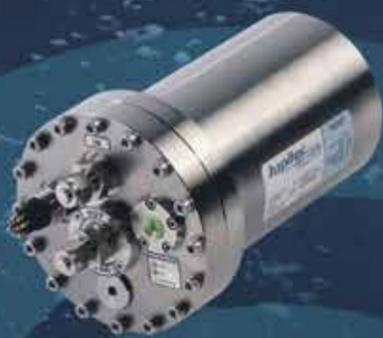
Durable Stainless Steel construction offering repeatable high accuracy, delivering 6,780N.m (5000lbf-ft) torque; providing torque feedback, (Directional) Quadrature output turns count, optional 'latched' or 'un-latched' versions and visual motor turns indicator, this unit is built to last.

3 YEAR Warranty



Class 1-4 Rotary Docking (API 17D) Torque Tool

Repeatable high accuracy delivering 2,711N.m (2,000lbf-ft) torque; providing torque feedback, (Directional) Quadrature output turns count, auto gear box selection with high / low pressure and visual motor turns indicators, planetary gear box and sprung loaded, nested, multi-class sockets or fixed standards. Optional Petrobras adaptor or full Petrobras front end effector.



Subsea 'In Line' Contamination Monitor (ICM)

Prevents unseen minor faults from developing into major contamination problems with 'GO/NO GO' indication. Designed to monitor hydraulic system fluids (NAS, ISO & AS cleanliness standard), water contamination % RH (Relative Humidity), low pressure and temperature. Stores 4000 (retrievable) previous tests with stand-alone or 485 link to provide 'live' continual monitoring.



Jupiter 2 RCU System

Latest intelligent valve pack to join the Jupiter range offers powerful control system that integrates high flow application, torque tool control & deployment or skid functions into a single unit with sensor inputs and powerful software control.

Industry 4, PROFINET, PROFIBUS & IO-Link training opportunities

Learn how to get up and running with Industry 4.0 and IIoT.

Wrexham, North Wales, 26 September
Cambridge, 11 October



These free-to-attend seminars will address the key practical issues arising from the use of digital communications technologies in automated manufacturing and process industry applications, with particular attention to the Industrial Internet of Things (IIoT) and Industry 4.0.

The Cambridge event is sponsored by a European Interreg Project named 'Industry 4.0 via Networked Control Applications and Sustainable Engineering' – aka INCASE, while the Glyndwr event is sponsored by Glyndwr University and will feature a presentation from cyber security expert Dr Paul Comerford.

Covering key application areas such as mechanical handling and logistics, robotics, automotive engineering, electrical and electronics assembly, control systems and energy management, pulp & paper, chemical, utilities, pharmaceutical, packaging and printing, they focus on the practical aspects of using PROFIBUS, PROFINET and IO-Link, from system design and safety considerations through to fault-finding and maintenance.

Supported by demonstrations of actual tools used in configuration and maintenance, these seminars will be of great value to Designers, Production/System Engineers, Instrument Technicians/Engineers and C&I Engineers involved in the design, operation and maintenance of modern automated factories and process plant.

To register for Wrexham, September 26:

<http://conta.cc/2pdjwNK>

To register for Cambridge, October 11:

<http://conta.cc/2pdvsz6>

www.profinetgroup.com



Tel: +44 (0) 1653 602020
www.zetechtics.com

We have everything covered



Surface World Live 2018 will be opening its doors on Wednesday 19th and Thursday

20th September 2018. The exhibition is the UK's only event dedicated to the surface treatment, product finishing, and coatings industry. It provides a major showcase for the very latest technology and developments in this important and expanding area.

Surface World Live 2017 boasted over 115 exhibitors with over 50 companies exhibiting for the first time. The show was a sell out! Surface World Live 2017 was the best show held in many years. The marketing campaign was relentless, targeting all of the major manufacturing sectors. Due to this footfall was up by a whopping 48%.

Surface World Live in 2018 will be in Hall 11 at the NEC Birmingham. The United Kingdom will be 18 months into Brexit negotiations and the outcome of these will be much clearer. This will be a perfect time to look at new suppliers, upgrading your current finishing lines, looking at alternative processes to improve your profitability or just to network and find out what is happening in the industry.

No matter what your question or latest requirement is, at Surface World Live 2018 visitors will find the answer. Registration for the show will be open early next year. This is our pick of the best exhibitors from this year's show, listed here in alphabetical order: A-Gas, Banner Chemicals, Curtiss-Wright, Impreglon, TQC, Technifor & Thermaset. Further details can be found here.

www.surfaceworld.com/surface-world-live

High quality surface treatments

Curtiss-Wright Surface Technologies (CWST) provides high quality surface treatments which will improve the life and performance of critical components through its global network of over 70 operating divisions and specialist onsite teams. Our surface treatments have been successfully used by OEMs in major industries such as aerospace, automotive, oil & gas and power generation for many years.

We are only too aware of the logistical challenges and costs faced by our customers and so we can offer a 'One Stop Shop' solution providing a wide range of surface treatments including Controlled Shot and Laser Shock Peening, bespoke and trade Coating Applications, Thermal Spray Coatings and Parylene Coatings for metal, alloy, plastic and electronic components as well as Analytical Services.

We offer our customers a single source solution and point of

contact for all their surface treatments, supporting their requirements through our global network of over 70 worldwide facilities and on-site field teams, improving and reducing turnaround times and costs.

We are specialists in protecting components from common failures and reducing maintenance costs for key industries such as aerospace, oil and gas, automotive, medical and general industrial markets.



www.cwst.co.uk

Getting it right from manufacture through to delivery



There's more to powder coatings than meets the eye and, according to one of the UK's leading players in the market, customers are increasingly looking at the quality of technical advice, the range of available finishes and a first class colour matching service.

Tamworth-based Thermaset Limited has, over more than 30 years, established a reputation in the powder coatings industry for stability and reliability. Commercial Manager Nigel Crane commented: "Manufacturers look to companies with a proven track record, but will always factor in quality, delivery and price."

"Our service covers the full spectrum of the industry. There is no colour that can't be matched and no special requirement we cannot meet – whether it be BS, RAL, custom or match. Thermaset can meet our customer needs from a few kilograms of powder coating – for a special order – through to tonnes for a long-term contract," he said.

Among the major markets for powder coatings are the furniture and industrial sheet metal products. Nigel Crane says: "Powder coatings are used extensively on both commercial and domestic furniture primarily because of their toughness, hardness and corrosion resistance." In the appliance finishing industry, the advantages of high corrosion resistance with single coat application has resulted in powder coatings being used on a wide variety of white goods, as well as automotive, shop fitting and enclosure components."

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ben@thermaset.co.uk
www.thermaset.co.uk

Banner Chemicals Group



Banner Chemicals Group UK
Flying the flag of excellence for over 150 years

Banner Chemicals started over 150 years ago and is the UK's leading supplier of precision cleaning products.

The Precision Cleaning Solutions (PCS) unit at Banners supplies innovative industrial cleaning solvents for vapour degreasing, aqueous cleaning, semi-aqueous cleaning and manual cleaning.

We specialise in providing comprehensive solutions for cleaning critical parts in industries such as aerospace, medical manufacturing, optics, electronics assembly,

semiconductors, military, automotive, and any industry in which perfect levels of cleanliness is a requirement.

Banner Chemicals has successfully launched the world's safest and greenest solvent available for vapour degreasing Honeywell's 'Solstice'.

Solstice is manufactured by Honeywell and exclusively distributed by Banner Chemicals.

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Solstice® Performance fluid for precision cleaning

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Visit us at SURFACE WORLD SHOW
22nd-23rd March 2017 in Birmingham NEC, Hall 7, booth M3

Honeywell

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Solstice® Performance Fluid is an innovative non-flammable solvent that combines a very high degreasing capacity with minimal environmental impact and very low toxicity. Ideal safe replacement of Trichloroethylene and n-Propyl Bromide in precision cleaning of intricate and complex parts.

To learn more about Solstice® Performance Fluid, please send an email to fluorines.europe@honeywell.com or visit our website: www.honeywell.com

Thermaset Ltd.
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Industrial batch coaters

With over 30 years of coating application experience, we look forward to continuing to work with our existing clients and we welcome all forthcoming new clients. We are the UK facility of a world renowned industrial applicator of fluoropolymer, polyurethane, anti-microbial and thermal spray coatings. Impreglon UK's systems, experience, and high level of service can help you solve your surface technology requirements. With our decades of experience, Impreglon UK is the fluoropolymer and thermal spray coating applicator for the UK and Ireland.

With a typical 5 to 7 working day turnaround and the option of weekend and Bank Holiday working, our commitment to serving you is unrivalled.

Accredited to ISO 9001:2008, ISO 14001:2004 and a part of the world renowned Impreglon Group, with dozens of locations across multiple countries on four continents, our range includes, amongst others: the full Teflon®, Xylan® and Greblon® ranges, PTFE, PFA, FEP, ETFE, ECTFE (Halar®), Polyurethane, ceramic spray and metal spray (Zinc, Aluminum [TSA], stainless steel, Nickel alloy and Tungsten Carbide). An exciting and hugely successful coating is the Safe Coat 600 series.

This is a highly effective decorative anti-microbial coating. For more details on the Safe Coat 600 series coatings please visit the www.safecoat600.com website.

T +44 (0)1827 871400
F +44 (0)1827 871401
info@impreglon.co.uk
www.impreglon.co.uk



A-Gas Electronic Materials



A-Gas Electronic Materials is a distributor, supplying specialist chemicals & processes to semiconductor, printed circuit board, electronic/ industrial metal finishing, photovoltaic and advanced packaging technologies.

What makes A-Gas EM unique is the partnerships the company has formed with its suppliers. This has given them access to a vast portfolio of innovative products. All of this is supported by a very strong (field based) technical sales team and customer focused operational team.

The A-Gas EM facility also offers chemical

warehousing and logistics solutions, technical consultancy and lab scale R&D. A-Gas EM is the sole UK and Eire distributors for Dow Electronic Materials, Micro Chem Corp, Pavco, Micro Resist Technology, Electra Polymers, Trimite, KMG Ultra-Pure Chemicals, Hendor PE, Yamamoto-MS, Metalor, Eternal Materials Co Ltd, and Micropulse Plating Concepts (MPC).

Our mission for A-Gas EM is to become the DISTRIBUTOR OF CHOICE in Europe for our suppliers, offering the highest level of support and customer satisfaction. We aim to grow our business as well as our suppliers' businesses by providing responsible product stewardship, maximising efficiencies and meeting environmental, regulatory, and health & safety responsibilities.

Contact
T +44 (0)1788 537535
F +44 (0)1788 535835
Info.em@agas.com
www.AgasEM.com

TQC: Vision on quality

TQC designs and produces field measuring instruments and lab equipment for testing paint and coatings and general surface treatment.

The objective is to create and offer solutions for every possible QC-application in surface technology.

TQC products are known for their ergonomic features and user friendliness and are manufactured in The Netherlands. To complete the product range TQC works closely together with other renowned manufacturers.

Unique products

Driven by either market signals or customer requests TQC designs and develops many unique products and concepts. In conjunction with customers and agents TQC strives to find the most efficient options and possibilities to meet the specific application requirements. The TQC product range focuses mainly on surface finishing industry; paint R&D laboratories; protective & marine coating applications.

Global distribution

TQC has offices in the Netherlands, Germany, Italy, UK, Norway, USA and South-Korea and works closely together with a global network of distributors.

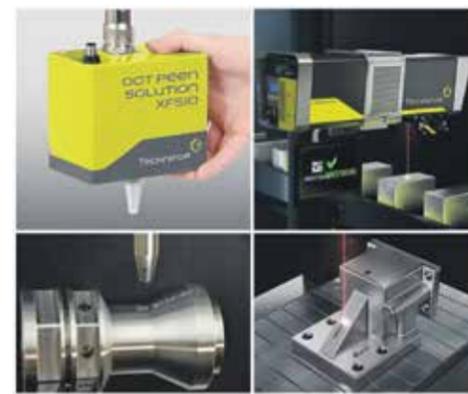


Active member

TQC feels obliged to contribute to the market with its expertise. As an active member of ISO, NEN, DIN and ASTM, TQC tries to assist in keeping the paint related standards up-to-date, relevant and objective. TQC often plays a leading role. Mr Nico Frankhuizen for example is chairman of the Dutch ISO-Paint & Varnishes group.

T +44 (0)2082 550143
janet@tqc.eu

Technifor: Specialist in indent, scribing, and laser marking



With over 30 years of experience in designing and manufacturing direct part marking systems, Technifor has developed one of the most comprehensive ranges on the market today. Technifor provides indent, scribing, and laser marking systems which can be stand alone or incorporated into production lines.

No fewer than four different laser technologies are available from Technifor: Fibre, Hybrid, Co², and Green

lasers. This complete range enables the marking of any material from metal to plastics as well as organic.

Fibre technology is ideal for fast or deep marking of metal whereas the Hybrid provides increased versatility enabling the marking of a wider range of plastics and metals, including precious metals and alloys. Co² lasers are predominantly used on organic products such as wood, glass, rubber, ceramic, as well as plastic materials. Technifor lasers can work up to speeds of 10,000mm per second.

Technifor lasers come with technical innovations: programmable focus to mark on different planes without any mechanical adjustment, automatic focus to automatically adjust laser focal distance to part height variation and Vision Manager to detect part positioning, mark parts, check and validate marking.

Having exhibited at Surface World 2017, Technifor saw an interest and demand for traceability of products.

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www.technifor.co.uk

Cutting & Welding News

Accurate Laser Cutting

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150 welders die every year

Welders, and other workers in the manufacturing industry, are suffering from cancer, pneumonia and other lung related illnesses due to lack of protection from poisonous fumes and gases.

New shocking statistics have been released by the Health & Safety Executive (HSE) who are working on an initiative with BOHS (The Chartered Society for Worker Health Protection) called 'Breathe Freely', to raise awareness of the deadly risks present to workers in the manufacturing industry. Out of the 190,000 workers who carry out welding activities each year, 150 of them die from cancer caused by welding. Other statistics released are equally concerning such as 2,200 annual deaths from cancer caused by past work in manufacturing industries and 4,000 people suffering from breathing and lung

problems caused or made worse by their work in manufacturing.

It's alarming that we are still seeing statistics that prove business owners are not doing enough to ensure its workforce is protected from the processes that are undertaken in order to produce the goods they sell. Worryingly, regular news of hefty fines costing businesses hundreds of thousands of pounds doesn't seem to be enough of a deterrent to make companies take the necessary action to protect its people.

In support of the campaign, Impact Technical Services is offering a FREE site assessment to all companies within the manufacturing industry, in which the working environment will be assessed and suggestions made to include or improve local exhaust ventilation (LEV). Our efficient and



effective solutions suit a wide range of budgets and scenarios, to ensure that LEV solutions are available to businesses of all sizes and turnover.

Contact
www.impacttechnicalservices.co.uk

Auto darkening HD welding/grinding helmet



The advanced UV/IR filter offers the welder a more realistic colour viewing experience as

well as improved visibility with less eye strain providing greater comfort to the user and increased productivity.

The advanced digital auto darkening filter offers fully variable shade 5-8 and 9-13. The realistic colour viewing experience offers an improved view of the weld puddle for better welding results as well as easier viewing of equipment displays and the adjustment of settings.

Other key features include welding or grinding with selection for process mode, 4 arc sensors for greater detection of light, large viewing area 96 x 67 mm, adjustable delay function,

fully adjustable headgear and battery status display (long battery life – approximately 1,000 operating hours).

The Jasic HD helmet is also ultra-lightweight – just 536 grams to reduce strain on the neck and head.

The Jasic HD helmet is available from leading welding distributors throughout the UK. For further details please visit jasic.co.uk or video search Jasic Auto darkening helmet on YouTube.

T +44 (0)1617 938127
www.wilkinsonstar.com

Extraction services royal holloway



During a two-day shutdown period, Western Air Ducts fully decommissioned and removed the old extraction system from the carpentry workshop, and installed the new fan and filter units along with the Inteliair™ system.

Inteliair™ was installed with mechanically operated dampers controlled by Inteliair™ damper control units and our own design current sensing switch, these switches detect the change in current when an item of machinery is turned on for use, a signal is then sent to the damper control unit, which opens the damper and informs the Inteliair™ main control unit that extraction is required.

In turn the main control unit signals a variable speed drive which controls fan speed and ramps the fan up to the required levels.

For more information, please visit: www.westernairducts.co.uk or call 01761 416700.

Introducing the new Goodyear workwear collection



Goodyear is excited to announce the launch of the Goodyear Workwear Collection. The Collection is built on 115+ years of Goodyear dedication to producing products with uncompromising standards and performance.

The Goodyear Workwear Collection consists of garments which meet stringent safety standards with contemporary design and performance. Modern materials and construction ensures the range stays at the forefront of workwear development and safety. The Collection is composed of hard wearing performance fabrics which do not compromise on comfort or ease of movement.

As the trends in workwear venture further into designing more aesthetically pleasing styles, Goodyear is stepping up to the mark, meeting the demand for fashionable, professional looking workwear options, and still adhering to all relevant safety standards.

Goodyear has rebooted the Safety Footwear market in recent years, with innovative and modern safety trainers, shoes, boots and wellingtons.

Goodyear is now dedicated to bringing this innovative philosophy to the new workwear collection. With modern design and performance, the new head-to-toe collection will quickly become a favourite among professional tradespeople.

The new Goodyear Workwear collection will debut at the 2017 A+A trade show; visit us at Hall 3/C34.

If you have any questions or feedback, we would love to hear from you.

T +44 (0)1618 864000
info@panworldbrands.com
<http://goodyear.panworldbrands.com>

MaxVac Dura Range vacuums: Innovation in dust extraction

Addex Group offers the best dust extraction solutions in the UK through MaxVac's range of high performance vacuum systems that our reputed clientele rely upon for the safe collection and management of fine and hazardous dust such as Silica on site.

We offer a range of proven products for efficient dust management known as the Dura Range.

There are 4 solutions that are offered namely DV-20, DV-35, DV-80 and DV Dust-Bin that are engineered to solve all the dust collection issues in the best manner possible.

Every vacuum in the range provides multiple features that were built to provide the best dust management solution. They are equipped with powerful motors (1200w) to enable maximum suction of all types of dust and every vacuum can collect varying amount of dust based on customer's requirement.

Every component of a dura vacuum is designed to withstand the toughest treatment and has been working effectively in all kinds of environments. The wet and dry function ensures that there is no need to worry about the type of dust being collected and the power take off

(upto 2000w) feature reduces the need for extension leads and power supplies. Automatic filter cleaning feature maintains higher suction. Vacuums are available in L, M & H class filtration.



Contact us on 01432 346850 or visit: www.addex-group.com for more details.

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 WORKWEAR & SAFETY FOOTWEAR COLLECTIONS

WHOLESALE DISTRIBUTORS
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 INTRODUCING THE GOODYEAR WORKWEAR & SAFETY FOOTWEAR COLLECTIONS.

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Goodyear (and Winged Foot Design) is a trademark of The Goodyear Tire & Rubber Company used under license by Pan World Brands Ltd. Copyright 2017 The Goodyear Tire & Rubber Company.

Light curtain testing

Light curtains are commonplace in today's manufacturing and packaging facilities. They fall into the category of ESPE (Electro Sensitive Protective Equipment). They use AOPD (Active Opto-electronic Protection Devices) for safeguarding persons when interacting with machinery.

HSG 180 (free-to-download from HSE Books) provides guidance on the application of electro-sensitive protection equipment using light curtains and light beam devices.

There is also an 'Inspection and test' section in the guide.

In accordance with PUWER, there is a requirement to not only carry out an initial inspection and test of the ESPE, but also periodic inspection and test throughout the lifetime of the machinery.

If you have any questions or concerns regarding your current status, Pilz has a team of professional and competent engineers that can provide informed, pragmatic advice and deliver suitable testing of your ESPE, so that you have peace of mind and the relevant evidence available.

T +44 (0)1536 460766



A step ahead in the hospitality industry

Staff at the One & Only Palmilla and Golf Hotel in Los Cabos, Mexico have migrated over to the latest Hytera DMR Solution from traditional analogue radios. Thanks to mixed fleet of GPS enabled DMR radios, the hotel can now keep track and locate their coworkers across the property's 27 holes in order to manage customer flow and quickly resolve any issues.



The Hytera DMR Solution supports logistics tasks, but also supplements security operations through a centralised controller. This provides additional functionality such as groups to be interconnected by means of a dispatch console, as well as alarms and warnings to be generated for users who require help quickly.

The implementation of Hytera DMR radios at Palmilla Hotel includes 350 PD706 terminals for the area of operation in the complex, 100 PD606 terminals just for use at the golf course, and a few PD786 devices for senior management staff.

The simple rugged handsets with high IP rating and no keypad are ideal for the general workforce to respond and engage in communications. To meet senior management requirements, a more comprehensive solution with full screen and keypad devices was selected.

For more information visit www.hytera.co.uk

Lee Cooper Workwear: Fashion that works

Since 1908, Lee Cooper has been constructing durable workwear that is made to work as hard as its wearers. Over time the heritage brand turned fashion house, has been known for its iconic denim, but in recent years has gone back to its roots in offering a range of high quality workwear and safety footwear.



We now present to you a collection of today's finest workwear and safety footwear, boasting innovative features and crafted to a quality standard that ensures it's up for the job. Lee Cooper Workwear has reintroduced a sense of personality and style to your workwear wardrobe with a clean palette of blacks and greys with key details accented with the signature red colour, giving the head-to-toe range a smart edge.

The fashion-conscious approach is what makes the tough but trendy Lee Cooper Workwear and Safety Footwear range loved by the crafters it adorns.

The full Lee Cooper Workwear collection will be on display at the 2017 A+A trade show; visit us at Hall 3/C34.

If you have any questions or feedback, we would love to hear from you.

T +44 (0)1618 864000
info@panworldbrands.com
<http://leecooper.panworldbrands.com>



THE ORIGINAL BRITISH WORKWEAR BRAND



There is no need to compromise on your own style or a professional look to have the workwear that meets the demands. Lee Cooper Workwear is up for the job, but are you?

leecooper.panworldbrands.com

info@panworldbrands.com

United Brands: Sweats, jackets and polos



“While United Brands is known for its high-end functional jackets and reputable polo shirts, what you may not know is that we supply school attire too,” suggests the company.

The junior range from United Brands contains polo shirts, round neck sweatshirts, zip-up jackets, pullover hoodies and more. “All are supported with adult equivalents, so we have everything you need for your schoolwear kit,” the company adds.

The collection features a great size range, an array of colours, and within this assortment you are guaranteed to find your perfect colour match.”

Contact
T +44 (0)1685 812111
info@united-brands.co.uk
www.united-brands.co.uk

MSA Safety's V-TEC™ SRL

MSA Safety is launching its new V-TEC™ self-retracting lifeline (SRL). It is the first in the market to include an inbuilt retraction dampener which allows the user to release the cable safely via controlled retraction; this prevents potential injury to the user and damage to the main body of the unit. It also offers safe operation and a reduction in costs and downtime.

Part of the innovative and easy-to-use V-Series of safety harnesses and SRLs, in addition to the inbuilt dampener, the V-TEC also benefits from patented radial energy absorbing technology which ensures control over any force exerted on it. Together, the radial energy absorber and dampener translate the latest technology into ease of use, inspection and maintenance.

Its construction is based on an award-winning design first used in the MSA Personal Fall Limiter. A clear outer casing allows instant inspection and peace of mind, while the radial energy absorber requires no calibration or adjustment before use. A convenient carrying handle is fitted for easy transport.

The V-TEC SRL is made using stainless steel and engineered plastics for great durability and, when necessary, its cable, energy absorber and retraction dampener can all be quickly replaced on site. A choice of galvanised or stainless cables is available to meet the needs of different situations.

MSA Safety's new V-TEC 6m self-retracting lifeline is now available from registered suppliers. Other lengths will be launched later this year.

For further information, please contact your local MSA affiliate or visit: <http://MSAsafety.com>

First Complete Compliance with ISO-14119

The Schmersal Group exhibits innovating safety systems for complete plants and complex machinery at this year's Motek. These solutions meet essential requirements of Industry 4.0 concepts and can be adapted easily to varying applications. They enable preventive maintenance, increase productivity and efficiency and at the same time ensure a high safety level.

The new AUX variant of the AZM 300 AS, a solenoid interlock with integrated AS-i-Safety-at-Work interface, achieves the highest safety level PL e with the safe two-channel release function. Therefore, it is worldwide the first AS-I solenoid interlock which meets all user requirements of the ISO 14119 standard. Thanks to the integrated RFID technology AZM300-AS achieves the coding level 'high' thus ensuring a high protection against manipulation according to ISO 14119. Apart from the AUX power version

the AZM300 solenoid interlock is also available in the AS-i power variant.

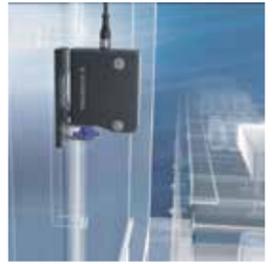
The fieldbus standard AS-i is used to connect non-safe as well as safe switches, sensors and interlocks in a simple and cost-effective way. AS-i safety solutions therefore offer a variety of diagnosis options and enable an early fault detection for instance. This is an important feature in terms of preventive maintenance and industry 4.0. AS-I-Safety-at-Work also allows for individually scalable safety solutions for different machine sizes with simple and fast assembly.

The new Schmersal Safety Installation Systems support users in their use of series connection of different safety switching devices such as safety sensors and solenoid interlocks within larger safety functions and enable simple, failsafe and cost-optimized wiring solutions. With

the new installation systems PDM and PFB, larger systems can be constructed thanks to the cascading capability. Wire cross sections of up to 1.5 mm² reduce voltage drops in the supply cables.

Visit Schmersal at Motek in Stuttgart, Germany, from 9 to 12/10/2017: Hall 7, Stand 7103.

T +49 202 6474-0
www.schmersal.com



Engel workwear stretches into your comfort zone

Recognised the world over for its comprehensive range of comfortably fitting, stylish and practical workwear, F Engel build further on their reputation by introducing a collection of slim-fit, stretchable work trousers which allow wearers to be especially comfortable in any work situation – and look and feel smart at the same time.

Called 'X-treme', the trousers are made from 65% polyester and 35% cotton incorporating a specially developed mechanical stretch factor; they are available in various choices both with and without useful hanging pockets.

Designed to offer as much comfort and functional, day-to-day uses as possible, each garment has a smooth, inner-crotch seam panel and patches of highly stretchable and ventilated material at the backs of the knees and seat areas to help keep cool and provide



maximum flexibility whilst bending or kneeling. There are two spacious slanted pockets at the front, two back pockets and a mobile phone pocket with a flap on the right thigh; there's a standard one on the left which has an extra inner, zipped compartment.

All Engel garments are available from The Workwear Trade Centre, Milton Keynes; Telephone: 01908 561569; email: sales@wtc-workwear.co.uk and Anchor Safety, Ipswich; Telephone: 0800 328 5028; email: sales@anchorsafety.co.uk

For more information, visit: www.fe.dk/en or email Mark McBrayne at: mmc@f-engel.com or telephone: +44 (0) 7933 150197.



SPECTRUM HEALTHCARE (UK) LTD PROUDLY INTRODUCE



MED SLED EMERGENCY RESCUE & EVACUATION SLEDS

The No.1 alternative to chairs for staircase evacuation in the USA. Successfully used during hurricanes Sandy and Katrina.

- The **Med Sled Evacuation Sled**, featuring a patented perimeter tether and stairwell braking system, enables operators to move individuals 2-3 times their own body weight.
- The **Med Sled VLR System**, with integrated hoist system, allows for vertical & horizontal rescues using mechanical means.
- The **Med Sled Tactical Rescue System**, with waist tether, allows for a 'hands free' single rescuer extraction from difficult or even hostile situations.



Onsite demonstrations are available, contact us for more details.

Spectrum HEALTHCARE
www.spectrumhealthcare.co.uk
 +44 (0) 1793762928 info@spectrumhealthcare.co.uk

NEW!

MSA is defining the future of fall protection...

<p>V-TEC™ SRL</p>	<p>V-FORM™ Harness</p>	<p>V-FIT™ Harness</p>
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MSA Fall Protection Solutions

MSA's mission is that men and women may work in safety throughout the world. That's why we are constantly innovating to ensure that our products continue to be world leading.

Our new V-Series Personal Protective Equipment (PPE) range is named after the iconic V-Gard® safety helmet developed by MSA in 1962 and trusted by millions of personal protection users across the globe.

The range, when used in conjunction with MSA's Latchways® engineered lifelines, offers the highest specification of fall protection available on the market, providing a great example of our ability to combine innovative technologies, best-in-class materials and advanced design to take fall protection to new heights.

Find out more at MSAsafety.com/fallprotection

WE KNOW WHAT'S AT STAKE.

Cleaning and facilities services

Industrial Process News is extremely proud to present Floorbrite Cleaning Contractors Ltd as its selected Commercial Cleaning Services Company of the Month.

As one of the leading commercial cleaning and facilities service providers in the UK, Floorbrite offers daily, industrial and window cleaning services to a whole host of customers throughout the United Kingdom.

With over 45 years' experience in the industry, the highly-regarded company provides a specialist cleaning service to offices, retail, manufacturing, education, leisure and industrial, tailoring their work to suit individual needs. Their facilities services include some newly introduced services such as Waste & Environmental Management, Plants & Ground Maintenance, Pest Control, Security, Building Maintenance & Access Solutions and many more. Clients can choose from just one service or combine multiple, creating a one-stop solution that suits their specific requirements.



"Our experience has earned our reputation as a reliable, result driven organisation," commented Marketing Director, Nina Wyers. "We provide a personal service, always keeping the customer at the centre of our focus. We can provide 24 hour, 7 days a week cleaning, janitorial, porter and housekeeping teams to ensure your business stays clean and hygienic."

A service that many customers have found particularly useful is Waste and Environmental Management, run by in-house Consultant Trudie Williams. Trudie and her team are experts in finding the most innovative ways to recycle, finding the best places at the best price.

An interesting achievement is Trudie's work completed for Typhoo, where they now send their tea bag waste to make animal bedding and tea leaf waste to make fertiliser instead of sending tons every week to landfill.

The Floorbrite team has been widely recognised for their outstanding service, having recently been interviewed live by BBC's Steph McGovern during the Manchester Cleaning Show, and Nina was even asked to speak at the London Cleaning Show to inspire women to get into the cleaning industry.

The Floorbrite story began when entrepreneur Martin Wyers decided to set up his very own cleaning company back in 1972. Starting as a one-man-band, Martin would work all the hours he could and spend the rest of his time seeking new business. As demand began to grow, Martin took on 3 new staff members who called themselves the 'Three Musketeers' and the company continued to expand

substantially. In 2010 Martin sadly passed away and the company was taken over by his three children, Nina Wyers – the Marketing Director and Alex and Nik Wyers who are now joint Managing Directors. Their mother Linda Wyers is also heavily involved in the company as the Chairman.

Building on their father's foundation, this true family owned company has grown through its continuous dedication to provide an outstanding service to each and every client. Their solid reputation and high standard of service is what has allowed them to become a highly-respected market leader in the industry.

"My father wanted the company to not only be family run, but for everyone that worked with us to feel part of one big family, and that is exactly what we have continued to do," explained Nina. "Our staff are treated with the upmost care and respect and we hold awards to celebrate their achievements and provide incentives. This is why so many of our staff have stayed with us for a long time. Today we employ over 1,400 staff and without them we wouldn't have achieved all we have!"

"As we are a family owned company, we have the ability to provide a flexible and tailored service."



This, along with our young, fresh and innovative approach has allowed us to build strong and lasting relationships with our customers, providing top quality solutions to their needs."

To find out more about Floorbrite and what they can do for your business, contact the company on 0800 021 3773, email: info@floorbrite.co.uk or visit the website at: www.floorbrite.co.uk



Floorbrite

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Tiny Green PC enables IoT options



Tiny Green PC is releasing a portfolio of fanless compact PCs with Windows 10 IoT Enterprise, enabling a new generation of connected, secure and stable process control

and monitoring systems targeted around the Internet of Things revolution. The announcement follows a thorough evaluation of the OS, to enhance the company's computer portfolio for the industrial and manufacturing market.

Utilising Windows 10 IoT technology, Tiny Green's range of PCs offer energy-efficient gateways and process control units that can be safely embedded into industrial and medical cabinets, for indoor and outdoor environments, with no risks of human interference. With data sent and stored via cloud solutions, automated systems and real-time alerts can be set up to monitor activities, detect issues and optimise systems for health applications, production lines and other industrial environments.

Tiny Green PC is offering the Windows 10 IoT Enterprise LTSB version on ten of its most popular customisable fanless PC platforms from the entry level Fitlet-I to the IPC3 i7. Windows 10 IoT Embedded LTSB is available in three version types (Entry, Value or High End) according to the processor performance of the PC. Tiny Green PC will continue to offer Windows 7, Windows 10, Windows Embedded 7, Linux Mint, Ubuntu and other appropriate OS options on its Fanless computers and servers. Tiny Green PC offers extensive technical expertise and guidance to customers from the start of their projects to full support with a 5-year warranty.

www.tinygreenpc.com

Introducing the Don Valley Engineering Group



We are extremely proud to present **Don Valley Engineering** as this issue's **Manufacturing Company of the Month**.

The Don Valley Engineering Group are specialists in manufacturing and machining. The company was first established back 1947 and dealt solely with general fabrication and repairs. From their base in the heart of Yorkshire Coal Field, the Don Valley eventually turned to the Coal and Mining industry too.

In 2009, the Don Valley Engineering Group was formed, with over 65 years of experience in the Minerals, Gypsum, Cement, Power, Fuels, Ports, Quarrying and Recycling Industries in their hand. Today their services include providing machinery,

specialised expertise, supplying equipment and more, for a range of applications the world over. Since 2015, Don Valley have been re-structuring the company and have split into four separate divisions: Engineering, Construction, Maltings and Cleeve Materials Handling Ltd. With its four dedicated divisions, Don Valley Engineering is able to provide industry process expertise and knowledge to a range of different industries and sectors, offering specialist industry sector management.

The Don Valley Engineering division provides engineering design and equipment to numerous industries such as Power, Bio fuels, Iron and Steel, Aggregates, Mining and Mineral Processing. Specialising in the Malting industry, the Don Valley Maltings division provides engineering

and process design and equipment for use in distillery and brewing. The recently acquired Cleeve Materials Handling Ltd division supplies engineering and design services for a range of sectors, from Light to Water Treatment, Power, Maltings, Mineral processing and even Recycling.

Don Valley Construction Ltd is the group's dedicated installation company that is comprised of highly skilled and experienced managers, supervisors, operatives, admin and more. Their expertise is especially sought after in industries such as Mineral Extraction, Iron and Steel, Sugar, Coal, Cement, Power generation, Bio-Mass and Maltings. They offer a wide range of services, including installation of Don Valley and third party equipment, site installation, site management, site supervising, site managing and more.

Don Valley Construction recently began providing engineering design, supply and manufacture of bulk material handlings and storage silos. After a close working partner company that supplies the UK with silos announced they were discontinuing business, Don Valley Construction were offered the chance to take over.

After a seamless transfer over of key staff, sales persons, engineering designers and fabricators, so as to maintain continuity, Don Valley Construction can now offer a wide range of bespoke silos in different shapes, sizes and materials.

Group Sales Manager at Don Valley Engineering Jeff Buxton stated, "Don Valley Construction were approached and the decision made with the support of the outgoing company. After, Don Valley Construction soon set about how they would continue to maintain silo expertise and bring their own industry knowledge to provide that extra added value, whilst continuing to develop business relationships with its existing customers and new alike. To date, the business is celebrating in the success it is seeing and has seen



a rise in new business opportunities across the group."

Don Valley has worked with clients such as British Steel, St Gobain, ETEX Siniat, CRH Tarmac, Aggregate Industries, Lodge Cottrell, Diageo, Crisp, Muntions, SSE, Drax, Skanska, Cleveland Potash, ICL Dead sea works and more. The group are accredited with ISO 9001:2008, Achilles, Safe contractor and Avetta.

Going forward, Don Valley will continue to expand either through acquisition or organic growth, furthering their knowledge and expertise in their multiple fields so as to offer yet better services.

T +44 (0)1302 881188
www.donvalleyeng.com



Drives, Controls & Automation News

UNISIG handles the challenges of landing gear drilling

Alta Precision is an industry-leading manufacturer of commercial aircraft landing gear in Montreal, QC, Canada. When they recently expanded their production facility to introduce a new landing gear product, it was an opportunity to invest in updated capabilities.



Alta was faced with sourcing equipment to handle the complexities of manufacturing landing gear struts for the aerospace industry. By nature, their components are highly stressed, complex, with thin walls in tough metals such as 300M alloy steel. They require a profiled deep hole to be drilled and machined down the centre.

At 9 in (230mm) in diameter and over 7ft (2.1m) deep, this hole can only be performed on a dedicated deep hole drilling machine, not a conventional machining centre. In addition to having the capability to machine these bores to strict tolerances, Alta was seeking a solution that allowed ergonomic setup and operation, with the versatility and power to handle a variety of complex parts in different lengths, on the same machine.

Their landing gear struts offered an additional challenge, with an asymmetrical feature that both requires a swing of 54in (1,370mm), and acts as an off-centre weight on a workpiece which is counter-rotated during the drilling process, essential for achieving the required straightness tolerances. All of these challenges exist in a single type of component that is essential to Alta's business.

www.unisig.de



Machines + Tools + Automation

UNISIG deep hole drilling systems consist of machines, durable tooling, and automation, and are designed to meet the highest performance standards possible. Products are engineered and manufactured in the USA using metric hardware, and include the integration of premium components such as FAG, INA, Parker, Rexroth, Rohm, Schunk, SKF, Wittenstein alpha and ZF. Products are designed following all applicable ISO, DIN and IEC standards, and are exported worldwide.

Recognised Precision

UNISIG deep hole drilling machines are proven with industry leading manufacturers in all regions of the world. UNISIG is chosen for the ability to consistently meet vital demands of tolerance. UNISIG stands out among industry players for its skill in handling large, complex projects including multiple machines and automation, process development and tooling testing, as well as custom engineering.

UNISIG will have a booth at the EMO Show:
EMO Hannover, Germany, 18-23 09 2017, Hall 16, C06.

For more information, please call **+49 7125 9687590**
Email info@unisig.de | Web www.unisig.de/en



Delta features high flexibility multi-tasking smart production line for a new era of smart, green manufacturing at Taipei Int'l Industrial Automation Exhibition 2017

Delta, a world-class provider of industrial automation solutions, has announced its theme of "Digitalization and Flexibility for Smart, Green Manufacturing" for the Taipei Int'l Industrial Automation Exhibition 2017.

Delta will feature its brand new High Flexibility Multi-tasking Smart Production Line with a customer-centric, IIoT-based, fully-automated demo which integrates Delta's manufacturing execution system (MES), equipment management system, IIoT technology, industrial robots, and automation control solutions.

At the exhibition, the demo will perform on-site smart

manufacturing by taking customer orders, flexibly producing customized products, and presenting production process and equipment operation data in real-time.

The High Flexibility Multi-tasking Smart Production Line perfectly integrates Delta's robust hardware and user-friendly software for building a smart, multi-tasking and digitalized production line for flexible and interchangeable customized production.

It adopts Delta's MES system for customer ordering, SMS notification and flexible production rescheduling; the Production Management & Visualization Platform (DIAMMP)

for overall production and machine data monitoring; the three robot workstations with peripheral control system, machine vision system, and sensors for production execution (including pick-and-place, laser carving and packaging); and the new Handheld Barcode Scanner DAH Series to scan customers' QR codes sent by the MES system for the industrial robot to fetch the designated product and place it in the pick-up area.

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Herga Technology's comprehensive switching range



As part of its comprehensive range of switching solutions, Herga Technology offers electric, infrared, USB, and pneumatic hand control switches for demanding medical and industrial applications. The range covers ergonomic designs that are easily adapted through a comprehensive ordering system for number and level of switches (buttons/bellows), colours, labelling, lead length, connection type, and more. These standard versions are supplied with rapid ex-stock delivery for popular models.

Herga's 6310 electric series is available in standard or heavy-duty versions for up to four switching functions with switching capacity options of 24V at 1A or 250VAC at 10A. The 6310 is also supplied as an infrared version with receivers for up to eight coded channels or as a bellows-type pneumatic switching version for up to six functions, and can be supplied complete with Herga's air switches. A programmable USB switching versions for 1 to 3 button functions is also supplied in the 6310 body style.

Other models include stylish electric and pneumatic switched versions specifically aimed at medical patient handling, therapy and mobility applications where the electric hand switching range meets the 2014/35/EU voltage directive with environmental protection ratings up to IPx8. Herga's hand control range fully compliments its foot-switching products which are available as electric, pneumatic, USB, infrared and Bluetooth® technologies.

Herga also offers custom-built versions available to match customer livery and machine designs. For hand or foot actuated machine switching, Herga's project-gate design and manufacturing process ensures thorough product development from the first concepts all the way to production and beyond to lifetime product support. Customised applications can include combined switching technologies as durable and ergonomic controls that enhance OEM's industrial machinery and medical equipment products.

Contact
T +44 (0)1284 701422
sales@herga.com
www.herga.com

M.A.C. Solutions: Connect, Secure, Analyse

Industrial Process News is excited to announce M.A.C Solutions (UK) Ltd is this issue's coveted Technology Company of the Month.

M.A.C Solutions was first formed back in 1996 by Tim Ricketts, the founder and current chairman. Based in Redditch and Chesterfield, but with offices in Paris too, M.A.C Solutions are market leading suppliers of industrial 'Internet of Things' solutions.



As the UK's number one specialist in industrial data communications, M.A.C Solutions provide hardware and software to a large range of industries across the world.

With a huge range of services, M.A.C Solutions have established themselves as industry leaders clients can depend on. Their software services cover everything from implementation to virtual imaging support, data collection, automation and more. M.A.C Solutions are highly experienced in the industrial process and

can assist in on-site surveys, system health checks, alarm rationalisation, system migration and even training packages for clients.

Their portfolio of clients is hugely impressive, sourcing solutions to numerous Fortune 500 Companies and dozens of world recognised brands such as BP, Shell, EDF, E.on and more. They are also hugely proud to work with every single airport in the UK, providing software and protective solutions for their highly intricate and complex communication systems. M.A.C Solutions have clients all across the world, in the UK, America, Brazil, Middle East and Belgium, to name just a few. These clients include but are not limited to machine builders, factories and process plants.

When it comes to industrial data comms, M.A.C Solutions offers an Ethernet range, industrial routers and industrial computers. In addition to supplying industry leading connecting services using the Internet of Things, the company also provides expert security services to secure these communication channels. This can



ensure person to person communication security as well as person to machine security, a helpful means of checking machinery performance.

One of M.A.C Solutions' recently launched services is Cyber Security. The newly developed Cyber Initiative is a cutting edge security service that protects integral cyber systems.

The highly innovative X-Sense constantly monitors the client's systems and collects real time data as well as detecting any unusual changes in activity, all without affecting the system's performance.

Another of their security products is The ICS Protection - Sheep Dip Device. This product specifically protects systems against USB-borne malware threats, enforcing iron-clad security policies across the entire ICS infrastructure.

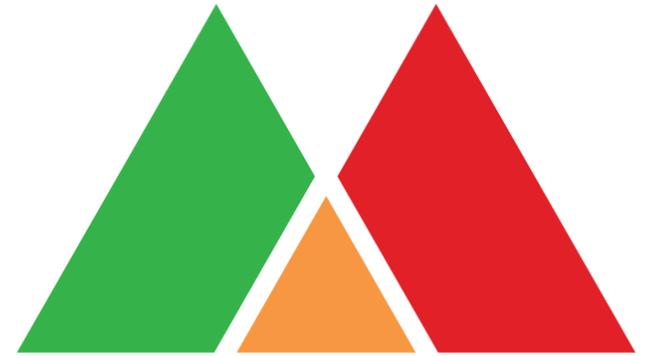
In November, M.A.C Solutions will be attending the Advanced Engineering

expo at the NEC, Birmingham. During the 1st - 2nd November, industry suppliers such as M.A.C. Solutions will meet the engineering sector for a number of forward thinking shows. Whilst at the event, they will be displaying and demonstrating a plethora of their sophisticated technological wares and can be found at Stand CM25.

Going forward, M.A.C Solutions has plans to increase their reach in America by entering the US market by 2018. This new sales channel will open up a new client base for them as well as allow them to yet better cater to their US-based clients.

If you are involved in the industrial process and would like to see how M.A.C Solutions can help protect your systems, or to find out more information, then please get in contact with the details below.

T +44 (0)1527 529774
www.mac-solutions.net



M.A.C. Solutions

Fluid Handling & Flow Control News

New dual independent channel syringe pump

Harvard Apparatus is pleased to announce the release of their latest syringe pump. The Harvard Apparatus Pump 33 DDS (Dual Drive System) is a leap forward in syringe pump capability. The Pump 33 DDS has two independent pumping channels controlled by an intuitive touch screen interface.



This multi-purpose syringe pump employs advanced syringe mechanisms that include a tight gripping, extremely secure syringe clamp that accommodates syringe sizes 0.5µl to 60ml. The Pump 33 DDS offers enhanced flow performance with high accuracy and smooth flow from 1.02pl/min to 106ml/min.

The new Harvard Apparatus Pump 33 DDS employs a graphical user interface controlled with a large 7" LCD Colour Touch Screen.

Features include: run two separate flows using different directions, flow rates, volumes and syringe sizes; integrated syringe manufacturer tables; high accuracy ±0.25%; USB, RS-232 & TTL connectivity.

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CAR ASYST APP 2.5: with vehicle data of the new Audi A8 available



As the new Audi A8 is launched in Barcelona, the CAR ASYST APP for Audi service and repair shop is now also ready to support the official vehicle data of the new AUDI AG flagship.

With the current Release 2.5, users now have battery history data at their disposal under vehicle report, and vehicle functions and the display of the battery state under transport mode.

CAR ASYST APP 2.5 makes it possible to have various fluid

levels displayed, for example the oil and DEF fluid level. Users are thus given up-to-date information on how many engine starts are possible and what the remaining mileage is.

With just a few clicks you can reset service intervals already read directly in the CAR ASYST APP. NEW: Access to Audi A8 vehicle data. From Version 2.5, CAR ASYST APP supports the following vehicles: Audi A4, Audi A5, Audi Q5, Audi Q7, Audi Q7 e-tron and NOW Audi A8 as well as Audi Q2, Audi A3, Audi TT with an activated VAS 5054A. Current version CAR ASYST 2.5 and free 30-day demo version CAR ASYST APP 2.5 is available from the Google Play Store. There is also a free 30-day demo version

Available for CAR ASYST Version 2.5. Alongside simulated vehicle data (Audi Q7), testing can be carried out directly on Audi vehicles by using a VIN|ING 600 or a VAS 5054A VCI.

For more details, take a look at the website at: www.car-asyt.com

Custom replacement for ageing ring main filter



Amazon Filters Ltd., a F4N (Fit for Nuclear) approved manufacturer of Nuclear filtration products, has designed and supplied a custom filter housing to a world renowned advanced research laboratory, to replace an ageing cooling water ring main filter.

Because of the criticality of the application the new filter housing had to be dimensionally the same as the existing unit to fit into place without altering any

pipework. Unable to access or view the ring main filter to be replaced, as it was shrouded and radioactive, the Amazon Filters design team had to use old customer drawings and details from the 1980s to produce accurate and detailed manufacturing specifications.

Drawing upon their highly experienced design and manufacturing teams, Amazon Filters were able to quickly build and supply a bespoke filter housing to meet the exact required dimensions.

Often contractors prefer to source an off the shelf solution when looking for filtration systems. However, where the project is very large, specialised or complex, standard filtration products may be far from the ideal so a bespoke system is needed.

Amazon Filters have the proven design and project management capability to deliver large, specialised and complex filtration systems to customers around the world.

For further information on bespoke filtration systems, please visit www.amazonfilters.com/products/filter-housings/special-and-custom-designs or contact Amazon Filters on +44 (0)1276 670600 or: sales@amazonfilters.co.uk

Three finalists selected for the Kanthal® Award 2017

A prize of €5,000 is to be awarded in Stockholm, Sweden, on 4 October as three companies pitch innovations in heating technology.

For the third year running, the Kanthal® Award will be presented to recognise innovations that contribute to a more sustainable future, quality of life, energy efficiency, and which advance the field of heating technology.

The prize of €5,000, to be donated to a relevant charity organization of the winner's choosing, will be presented at an award ceremony held in Stockholm on 4 October 2017.

Selected by a panel of experts in the field of thermal solutions, the 2017 finalists are:

Sunfire GmbH, Germany: Has developed a process converting regenerative power, Co² and water into synthetic gas or a crude oil substitute (Blue Crude) which has the potential to satisfy the key need for Co²-neutral transportation fuels for the sustainable society of tomorrow. Sunfire is nominated for its process which utilises waste heat with the help of efficient high temperature flow heaters to maximise the overall efficiency.

GB Eco Systems

Ltd, Brazil:

Removal of organic contamination from soil has become increasingly important in order to revitalise brown field sites for new use. GB Eco Systems is nominated for an innovative process involving vapour injection and resistance heating to extract and collect volatile contaminants to facilitate new development.



C-Tech Innovation Ltd, UK: Efficient processing of raw materials and recovery of critical minerals and metals from waste are prerequisites for the circular economy. C-Tech Innovation is nominated for its development of a rotary furnace which uses an innovative combination of radiant and microwave heating for highly effective mineral processing.

Contact

www.kanthalaward.com

REMA TIP TOP UK awarded contract for Chute & Bunker linings at Drax Power Limited

REMA TIP TOP Industry UK has been awarded the chute and bunker lining contract at Drax power station, Europe's largest co-firing power plant.

REMA TIP TOP will be supporting the operations at Drax by supplying on site lining services to the Maintenance and Engineering Dept for the materials handling plant on the coal and ash & dust conveyor systems, with UHMWPE and stainless steel liners to protect the plant against wear as well as enhance throughput of fuel &

ash through the materials handling system.



For more information and enquiries on this

article, please contact Paul Edson at REMA TIP TOP INDUSTRY UK LIMITED on 01302 711233.

Ultrasonic cleaning for best results

Ultrasonic is used widely throughout industry for removing problem contamination from all kinds of hard surfaces. Its unique properties can be harnessed to clean items of all shapes, sizes and technical complexity, penetrating holes and cavities that are impossible to reach using ordinary cleaning methods.

Hilsonic is a leading international supplier of ultrasonic cleaning equipment for a variety of uses throughout industry.

The company's systems are suitable for a variety of purposes within these areas, including the cleaning valves, pipework, plastic crates and components, indeed whatever you have may well lend itself to ultrasonic cleaning,



potentially saving your company time and money indeed many companies get a financial pay back within weeks on cleaning expensive filters more often the pay back is a matter of months.

Hilsonic systems can also be used to clean engine parts such as pistons, cylinder heads and engine blocks.

Hilsonic's industrial ultrasonic cleaning tanks deliver the best cleaning results, with no compromise on quality or reliability. They are available in up to 50 distinct variations as standard with an endless number of custom built variations, built to fulfil industries demanding requirements. The company offers full support including accessories, chemicals, service contracts and full training packages.

Its range of popular sizes comprises:

- **IST2000** – with bath dimensions 500x500x300mm, this is the most compact tank in the range, an ideal portable system for cleaning small engine parts and filters.
- **IST3000** – with bath dimensions of 1x1x1m, this mid-range system is ideal for general workshop use.
- **IST4000** – with bath dimensions of

2x1x1.5m, this system is designed for larger components such as heat exchangers, intercoolers and major engine components.

- **IST5000** – with bath dimensions of 3x2x2m, the largest standard system in the range, the IST5000 is built to accommodate the biggest coolers and heat exchangers.

All systems have Hisonic's unique generator technology, which features a predetermined frequency sweep and twin-tandem transducers capable of driving up to 2m in height, and full cavitation, crucial for cleaning larger components. Hisonic systems are manufactured using the highest quality materials, with 316L stainless steel tanks as standard, and heavy-duty stainless-steel frameworks for maximum weight distribution and performance.

Also standard through the range is the under liquid jetting system, which improves the cleaning performance and maintains chemical integrity for longer. With other unique design features, this makes the IST range of systems a durable solution to heavy-duty cleaning applications, providing many years of cleaning performance, backed by a two-year warranty.

Custom-built ultrasonic cleaning tanks Hilsonic also manufactures custom built ultrasonic cleaning tanks of all shapes and sizes. From 1L to 15,000 L capacities, and with a huge range of power ratings, these customised models will always deliver the best cleaning results, with no compromise on quality or reliability. For more complex industrial cleaning processes, Hilsonic will consult fully with the customer to develop the right system. Bench-top ultrasonic cleaning tanks For small-scale workshop cleaning problems,



Hilsonic's bench-top ultrasonic cleaning tanks are the ideal solution. Its Performance bench-top models are constructed in 316L stainless steel and are designed for longlasting durability, while the Budget bench-top ultrasonic cleaning performance at a reasonable price, without cutting corners in terms of ultrasonic power.

Whether a standard or bespoke system is required, Hilsonic works closely with the customer at all stages in order to develop a system to suit their purpose.

Contact

T +44 (0)1516 396020
www.hilsonic.co.uk



Bunting Magnetics Europe Ltd secures quality and environmental accreditation



Bunting Magnetics Europe has successfully transitioned to the new ISO9001:2015 Quality and ISO 14001:2015 Environment

Standards. The certification covers the manufacture and supply of Magnetic Separators, Metal Detectors, and Magnets and Magnetic Assemblies from their European manufacturing headquarters in Berkhamsted, UK.

Denis Elkins, Bunting Magnetics Europe's Quality Assurance Manager, explained the importance of transitioning to the ISO9001:2015 Quality standard.

"Bunting has held the ISO9001 quality standard since May 2005. The quality of our products, manufacturing processes, and business management is of utmost importance to us and our customers, and, we believe, is one of the primary reasons for our continued success."

The ISO 9001:2015 Quality Standard was revised in 2015 and now has a definitive focus on business performance. The process approach has been combined with risk-based thinking, promoting the Plan-Do-Check-Act cycle at all levels in the organisation. The new standard acknowledges that modern organisations will have several management standards in place, and the 2015 version has been designed to be easily integrated with other management systems.

Bunting also recognises the importance of adopting good working practices in accordance with international Environmental Standards and originally attained the ISO14001 standard in February 2002. The ISO14001:2015 Environmental Standard sets out the criteria for a certifiable environmental management system.

For further information on Bunting's Quality and Environmental Strategies and the recent successful transitions to the latest standards, please contact us at: press@buntingeurope.com

Triple record in Enterprise Awards



Specialist anti-corrosion, sealing and waterproofing products manufacturer Winn & Coales International Ltd is well known for its brands which include Denso®, Premier™, Premseal™, SeaShield™, Archco™, Protal™, Premier Shrink Sleeves™, Steelcoat™, Densostrip™, and Sylglas™. In April this year its subsidiary Premier Coatings Ltd won a Queen's Award for Enterprise in International Trade, recognising its growth in world sales over the previous three years. This is the third Enterprise Award won by Winn & Coales International in the last seven years, making it a remarkable achievement. The three notable successes have taken place in 2010, 2013 and now in 2017.

Winn & Coales International comprises seven subsidiary companies, two residing in the UK, Premier Coatings Ltd and Winn & Coales (Denso) Ltd and one in the USA, Canada, South Africa, Australia and New Zealand. The UK subsidiaries export to Europe, North Africa, India, The Middle East, Far East and South East Asia with the five other subsidiaries covering the rest of the world. The global structure of the company is a major factor in its growth and success.

Premier Coatings products have earned an enviable reputation over the years for their high quality, effectiveness, and long service life. They continue to offer an effective solution to corrosion prevention, sealing, and waterproofing problems for buried, submerged or exposed steel or concrete pipes, tanks, and structures.

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Plastic bearings make the grade

Miniature and specialist bearings and relubrication provider, SMB Bearings, has launched a range of plastic bearings that provide non-magnetic, chemical resistant options to a variety of industries and manufacturers.

The bearings provide a cost-effective solution to a range of niche markets, where traditional bearings would not be appropriate.

Bearings are available in a variety of materials, the most common being chrome steel and stainless steel. However, these materials are not always appropriate for applications across industries like the food and beverage or pharmaceutical sectors.

"Our range of plastic bearings are ideal for these types of applications," Chris Johnson, managing director at SMB Bearings, said.

"Plastic bearings are non-corrosive and are usually unlubricated which makes them ideal for commercial food equipment.

Acetal resin is the standard material but alternatives are available for greater corrosion resistance in aggressive environments such as the chemical industry."

The standard range of plastic bearings are available with glass or 316 stainless steel balls, the latter being more popular in food applications as the balls are easily

detected in the event of bearing failure.

The SMB Bearings plastic bearing range is available in a range of popular metric and imperial sizes, starting at 3mm.



To discuss your bearing application requirements, contact the SMB Bearings sales team on +44 (0)1993 842555 or email: sales@smbbearings.com

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Howards now accredited Xero and QuickBooks advisor



Howards, a progressive firm of chartered certified accountants based in Stafford, is now an accredited advisor for Xero and proadvisor

for QuickBooks, two of the most popular small business accounts packages.

This means the company is now more qualified than ever to help firms get the most out of Cloud-based accounting. There are currently 10 Xero-accredited members of staff at Howards and seven who have passed their QuickBooks core training, with many more looking to join the training programmes.

Clive Boulton (pictured), manager at Howards, says, "Being accredited Xero and QuickBooks advisors enables us to cater to the needs of customers who use these smart pieces of

software to manage their finances. At the same time, we are still fully geared up to work with clients using Sage and other packages."

Xero is now Britain's leading online accounting software and is designed specifically to help small businesses keep on top of their cash flow. QuickBooks is reckoned to be the top-rated app for online accounting and is particularly suited to small businesses and the self-employed.

Both packages allow companies to send invoices online to their customers, to receive daily bank account and credit card updates, to track inventory, control stock, add items on to invoices and orders, and more. Backed by multiple layers of security and capable of integrating with many different apps, the systems enable users to see how their businesses are doing at a glance, often via their smartphones while they are on the go.

Clive Boulton says, "Any businesses who are unsure about working with Xero or QuickBooks and would like some advice or support are invited to get in touch on 01785 243276."

Top safety accreditation for Bobst UK & Ireland Ltd

Bobst UK & Ireland Ltd. has been awarded accreditation from Alcumus SafeContractor for achieving excellence in health and safety in the workplace.

Alcumus SafeContractor is a leading third-party accreditation scheme which recognizes extremely rigorous standards in health and safety management amongst contractors. It is used by thousands of organizations in the UK including SMEs and FTSE 100 companies.

Alan Letford (pictured), Head of Customer Care at Bobst UK & Ireland Ltd, said, "Health and safety is at the heart of everything we do, through continued development of health and safety policies and procedures as well as quality training for all office and field based staff.

"We have invested heavily in systems to manage risk and protect our employees' wellbeing. This has been strongly evident with our timesheet app, where our service

technicians and product specialists can log mandatory machine safety checks and highlight any other on-site concerns as part of our standard operating procedure.



"By developing a library of risk assessments and method statements for when working both at customer sites and at Bobst UK & Ireland Ltd. we have ensured that health and safety has remained at the forefront of all of our working activities. This accreditation has reinforced our commitment to all our customers, suppliers and employees."

Employing more than 5,000 people worldwide, BOBST supplies equipment and services to packaging and label manufacturers, specializing in the folding carton, corrugated board and flexible materials industries.

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Success at FPS EXPO 2017



FPS EXPO is the leading event for the oil distribution industry in the UK and Ireland and was held on 10th & 11th May 2017 at Liverpool's Exhibition Centre.

Now in its 37th year, the two-day event brought together more than 150 exhibitors and attracted a worldwide audience of thousands.

For 2017, the event brought together leading figures and companies in the industry to review new products and services from the fuel oils and lubricant supply chain, look at new innovations, admire best practice, and identify opportunities, along with a myriad of component manufacturers, service providers and innovators.

The show is regarded by those in the industry as the place to launch new products and services, meet clients, and do business.

After last year's success, the Exhibition Centre Liverpool (ECL), located on the city's beautiful riverside docks, is now well established as the new home of the Expo.

This is our pick of the best exhibitors from this year's show, listed here in alphabetical order: BoilerJuice, Mechtronic & SalesSense.

The show returns to Liverpool's Exhibition Centre next year from 18-19 April 2018. This is our pick of the best exhibitors from this year's show. Further details can be found below.

www.fpsshow.co.uk

How to grow your sales with SalesSense

SalesSense

For companies of all sizes across all industries, outsourcing sales and service can be a game-changer for your sales results, as well as your bottom line.

SalesSense is a leading Sales and Service provider that partners with clients across industry sectors from energy and telecommunications to financial services and water to deliver sales and service experiences that yield extraordinary results.

SalesSense partnered with Couche-Tard, one of the world's leading convenience and fuel retail businesses, and the sales and service results were unprecedented.

Ray Dolan, Managing Director for Ireland Division, said, "Over the past year, the SalesSense team have delivered an exceptional service to Topaz [Couche-Tard]. As a key partner in our sales channel they delivered unheard of sales figures across each touchpoint. We saw margin targets double for a sustained 12 month+ period. Our expectations were met and exceeded in customer service, call quality, and customer experience excellence - which is evident in the remarkable increased Net Promoter Score which jumped 71% - a phenomenal achievement."

Call by call, email by email, we're building our clients' reputations and one of Europe's most impressive outsourced sales and service scorecards. But seeing is believing, so let's start a discussion about your campaign.

Check out our website at: www.salesense.ie, call us on International: 00353 91380500 or email: info@salesense.ie

Warm reception for BoilerJuice

The 2017 FPS Expo was a fantastic opportunity for us. As the leading online supplier of heating oil in the UK, we felt it was vital to showcase how far we've come in the 12 years we have been trading.

Despite our aching feet, we are delighted with how our first exhibit went. With a great position generating plenty of footfall (remember our giant BoilerJuice balloon?), we established contact with several new suppliers - many of which are now working alongside us.

We also saw over half of our current supplier base, and were well received by both exhibitors and attendees alike.

The expo wasn't the only big thing to happen in 2017 - we celebrated 24,000 5-star Trustpilot reviews, started a partnership with comparison website uSwitch, and surpassed one billion litres of delivered heating oil.

On top of that we've also been exploring new ways of delivering great prices to our customers - with the launch of our App in January, making it easier than ever to get an instant price and order.

There are many more reasons to increase your online volumes with BoilerJuice. To find out more, call us on 01480 300144 (Press 4), email us at: suppliers@boilerjuice.com or visit the website: www.BoilerJuice.com



Protection against fuel theft and contamination with VisiLevel

VisiLevel is a unique gauging system that displays the volume, grade and temperature of a product contained in each compartment.

This ATEX approved system improves driver safety, provides product security and delivers quality by accurately measuring the product type and quantity.

Featuring an electronic dipstick that accurately identifies the product volume, temperature, density and colour, VisiLevel uses this data to automatically display its readings on the ground-level LCD display screen. This automatic process ensures that driver keying errors are a thing of the past and the risk of cross-contamination is significantly reduced.

Delivering product security and bespoke reporting Unfortunately, fuel theft can be a major problem for fuel delivery operators across the world. VisiLevel when integrated with StockSmart (GPS Tracking System) ensures that each product movement, regardless of whether a pump or meter is used,

is date, time and location stamped, giving you an audit trail which provides a real deterrent in the unauthorised removal of product from a tanker.

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www.mechtronic.ltd.uk



Testing, Measurement & Monitoring News

Quality measurement solutions

The fully focused designers, manufacturers and suppliers of quality portable temperature and pressure instruments have almost two decades of refined industry experience, having been established in 1998. Founded by former MD, Tom Mears, the company is best known for its expertise in globally exporting a large range of precision thermometers, probes, infrared thermometers, manometers and temperature calibration sources.

"We provide solutions for a wide range of markets and applications," explained Eurolec's Managing Director, Chris Mears. "Second only to time, temperature is the world's most measured parameter so our potential customer base is huge."

"Although we supply to multiple customers (including those within the HACCP, industrial, laboratory and environmental sectors) our main focus is within all aspects of the food industry. This includes everything from manufacturing/processing, chilled/frozen storage, transport, quality and lab research etc. right through to the catering sector."

One of the company's most popularised/popular products in relation to this particular industry is its temperature calibration sources; namely, its CS & CSEC series. This line is beneficial to customers because it acts

as an easy-to-use option for in-house thermometer/probe accuracy checks, as it guarantees accurate results and ongoing stability (at a competitive rate).

These models have proven to be an effective alternative to the more simplistic dry blocks/dry wells that are incorporated into food production processes and the significantly more expensive choice of employing a 'lab' spec calibrator.

The CS174 temperature calibration source combines with the RT162 reference thermometer to provide a swift return on investment whilst ensuring the expense, inconvenience & downtime associated with offsite or



external calibration is eradicated. With its high usability this system allows easy checks of thermometers (both probe & infrared types) through a freely adjustable range (approximately -20°C to +85°C).

Eurolec doesn't just supply its own products. The organisation is proud to be the UK & Ireland distributor for the Ono Sokki range and can, where appropriate, deliver a meticulous calibration and repair service across an array of temperature and pressure solutions.

Developments in recent times have been strong, especially with the company's merger with Scientific Measurements Pte Ltd. Acquisition by this global instrumentation frontrunner has prompted further growth, Chris detailed, "It has been full-on since we became part of Scientific Measurements."

"We have been working closely with their marketing team to start getting our key product and brand messages out there. We have revamped our website and since the new look went live we are already seeing a sharp spike in visitor numbers as well as positive comments about the look and its ease of use. Overall, we are up for a challenge and we are always ready to put our knowledge and experience to the test."

"Eurolec is currently investing heavily in R&D, equipment and a new strategic marketing push and we plan to expand both our product range and



our distribution network in the coming months," Chris added. "We intend to further build on existing relationships whilst introducing our range to new markets and territories."

Contact Eurolec today or visit the new website provided below to make the most of its latest content, which now includes a free e-booklet on the most frequently asked calibration questions (download at: <http://eurolec-instruments.com/blog/download-6-thermometer-calibration-faqs-answered/>).

Contact
T 003 5342 933 3423/042 933 3423
sales@eurolec-instruments.com
www.eurolec-instruments.com

TFX Ultra clamp-on provides reliable leakage detection

Bell Flow Systems were recently approached by a customer looking for a reliable solution to remotely monitor a fire hydrant for flow detection and leakage purposes.

The site, located remotely, required a clamp-on measurement solution to provide flow measurement without breaking into the pipeline. Information from the site also need to be available remotely, as well as providing visual alarms to operators at the site office.

Bell Flow Systems supplied the TFX Ultra flow meter and provided a local Modbus output to a third party telemetry system. Data from the telemetry system will be

stored onto a web portal providing a visual indication of the current flow, total flow and diagnostic information from the flow meter. Information on the data portal will also show visual alarms so the operators can respond to leakage or flow events at the site office.

TFX Ultra has inherent advantages over traditional devices including clamping onto the outside of pipes and not contacting the internal liquid.

Advantages of the TFX Ultra non-invasive flow meter include measurement of a range of liquids with small amounts of suspended solids or aeration, a bi-directional flow measurement and a wide variety of communications

including Modbus RTU over RS485 communications; Ethernet connection options includes BACnet/IP, EtherNet/IP and Modbus TCP/IP protocols.

Meters include a large easy-to-read digital display and a rugged aluminium enclosure for use in harsh environments. For more information on the cost-effective TFX Ultra transit time flow meter, please contact Bell Flow Systems.

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Dual laser infrared thermometer

New from OMEGA this high performance handheld OS758-LS dual infrared thermometer is a non-contact temperature measurement instrument. The OS758-LS offers a wide array of features including adjustable emissivity, colour backlit LCD, 60:1 distance to spot, hi/low temp alarm, max/min/avg diff temperature monitoring and data storage. This meter is also designed with a microSD card slot (SD card included). The OS758-LS offers a rugged design that is shatterproof at 1m (3.3') with ergonomic rubber boot handle. A type K thermocouple input included for contact measurements, often used to verify emissivity.



About OMEGA
Since its inception in 1962, OMEGA has grown from manufacturing a single product line of thermocouples to an established global leader in the technical marketplace, offering more than 100,000 state-of-the-art products for measurement and control of temperature, humidity, pressure, strain, force, flow, level, pH, conductivity and automation. OMEGA also provides customers with a complete line of data acquisition, electric heating and custom engineered products

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www.omega.co.uk/pptst/OS758-LS.html

KD420 high speed modbus

The KD420 High Speed Modbus / 4-20mA Interface from KK Systems allows any 4-20mA or voltage output sensor to appear as a Modbus RTU slave on an RS485 multidrop bus.



The sensor value is presented in a set of Modbus registers, concurrently in several formats which include 16-bit integer, 32-bit IEEE floats, and floating point textual strings. The KD420 can also act as a Modbus RTU Master and write the data into a Modbus RTU Slave over 2-wire RS485, using a separate RS485 interface.

The KD420 works straight out of the box but can be reconfigured using either a supplied Windows configuration program (via a suitable RS422/485 interface) or from any Modbus Master device by writing values to special Modbus registers. Baud rates from 30 to 115200 baud are supported and reading rates of 200+ readings/second can be achieved.

Accuracy is specified at 1% over the entire operating temperature range of -25C to +70C. Industrial use is facilitated by configurable filtering over the 50Hz or 60Hz mains cycle period for maximum mains noise rejection. The KD420 provides a simple and inexpensive means of interfacing a variety of sensors (for example PT100 temperature, flow or pressure sensors) to an existing SCADA or telemetry system.

www.kksystems.com

New PT900 portable flow meter from GE Panametrics



predecessor, the PT878, and still features the same high performance. The user interface, clamping fixtures and transmitter have all undergone complete redesign to make them even more user friendly allowing an accuracy of $\pm 1\%$ of reading to be achieved.

The PT900 uses wireless Bluetooth® technology to communicate with the transmitter and tablet. The free app is available from Google Play and features a setup guide wizard to achieve quick setup and measurements within minutes.

T +44 (0)1527 882060
info@rshydro.co.uk
www.rshydro.co.uk

The PT900 is the latest generation of portable clamp on flow meters from GE Panametrics. It has been designed based on its successful

Introducing DAQLOG Systems Ltd



Based in South West England, DAQLOG Systems Ltd supplies thermal imaging cameras, data acquisition systems, and analysis software to the UK. With our staff having over 20 years' experience within the DAQ market, we provide sales, support and service/calibration for industrial, commercial, automotive and MoD customers.

We have a wide range of products, so whatever your input: voltage, current, temperature, pressure, strain or CAN, we are able to offer you a system that can meet your data recording needs.

A brief summary of our product range includes: PC Based Data Acquisition and Analysis Software Automation Controllers

NVH and Automotive Data Acquisition Systems
 Stand-alone and Portable Devices
 High Speed Data Recorders
 CANbus I/O and Protocol Stacks
 Load Cells and Indicators
 Thermal Imaging Cameras and Software

We are the official UK suppliers for A&D Company, AVIO Japan, Delphin Technology AG, MicroControl GmbH and TEAC. For further information or product demonstrations, please contact us.

Contact
T +44 (0)1803 611854
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APG GWR200 flow level sensor



Bell Flow Systems is pleased to introduce the new GWR200 flow sensor from APG, which promises to take the problems and frustration out of your level measurement.

The Systems True Echo™ Communication Tool, which provides a Modbus-to-USB connection for communication with True Echo™ Software allows for advanced configuration and monitoring of multiple True Echo™ sensors.

Specifications includes an auto calibration for easy setup with the True Echo™ software, a robust

IP65 ingress protection housing, innovative signal processing and disturbance signal suppression and featuring a range up to 10 feet with SS rod, 80 feet with cable. Additionally, the sensors are unaffected by foam, vapours or dust.

The Sensor NEMA 6 housing comes as standard, and its 316 SS or PTFE-coated 316 SS probes can operate in process temperatures from -40° to 203°C. Robust and reliable, the GWR200 sensor makes difficult level measurements easy.

With a programmable 4-20 mA or RS-485 Modbus outputs, and innovative signal processing, the GWR200 can accurately provide measurement of solids, liquids, and slurries at depths up to 25 metres.

For more information on the GWR200 flow sensor, contact Bell Flow Systems on 0800 027 7786 or email: sales@bellflowsystems.co.uk

'Intelligent' thermal imaging cameras detect early signs of overheating

Even with maintenance and service programmes in place, there is always a risk plant and machinery can develop a fault, overheat and even burst into flames. The consequences of a fire, however minor, could potentially have a major effect on a factories ability to be productive. It may even result in closure until damaged equipment has been repaired or replaced.

Early warning detections systems utilising thermal imaging cameras have been available for a number of years but they have been expensive to deploy simply because of the capital cost of the cameras. They have also been difficult to monitor and have been prone to false alarms.

Fortunately, technology has come to the rescue in the form of a new generation of 'affordable' thermal imaging camera equipped with video analytics which facilitates early detection, whilst significantly reducing the possibility of false alarms.

Surrey based VCA Technology is claiming to have set a new benchmark for thermal imaging camera with the introduction of its 'intelligent' VCA-650LD thermal IP bullet camera which is equipped with the VCA video analytics engine, and they are also offering an App called tMonitor to help achieve maximum benefit from the camera.

The tMonitor temperature monitoring Application works together with the VCA-650LD thermal imaging camera to generate alerts when temperatures drop below or exceed specified levels within pre-defined regions.

Contact
T +44 (0)2030 442884
www.vcatechnology.com



Hansford Sensors wins the double

Hansford Sensors, the leading UK based manufacturer of industrial accelerometers, has been crowned International Trader of the Year and Growth Business of the Year at this year's inspiring Buckinghamshire Business Awards.

Founded in 2006, Hansford Sensors has gone from strength to strength over the past decade and this latest achievement further emphasises the impressive business performance and growth it has come to achieve.

The company now has offices in strategic locations around the world, including Germany, India and the USA, to maximise Central European, Asia, and North American trading opportunities.

This is in addition to a network of experienced distribution partners. This focus on international markets has proved highly successful and the company's turnover has subsequently increased by 20% over the last two years, with more staff employed to keep up with demand.

"We feel privileged as a company to have won these two Buckinghamshire Business Awards," comments Chris

Hansford, founder and Managing Director of Hansford Sensors. "We've worked very hard to establish Hansford Sensor as the go-to provider of reliable and effective vibration monitoring equipment and now have an impressive portfolio of clients worldwide.

"This is the icing on the cake for our first ten years of business and, as founder of the company, I am excited to see what the next decade of opportunities holds for us."

Contact
www.hansfordsensors.com



Non-contact voltage tester

The HMM-NCV40 from Omega Instruments provides a safe, non-contact way to check if an electrical cable, plug or socket is live.

It does so by sensing from a short distance the electromagnetic field created by AC voltage. Even unloaded AC circuits generate electromagnetic fields. Although these fields are extremely weak, their constantly changing nature means that they generate some current. A sensitive non-contact voltage detector can sense this current via induction, in much the same way that a sensitive radio receiver can sense weak radio waves.



feature that makes it possible to determine which wire in a bundle is the live wire.

This application calls for turning down the sensitivity in stages after the HMM-NCV40 senses voltage. As you reduce sensitivity, at some stage only the live wire will produce a field strong enough to activate the audible and visual alarms from a short distance. In this way, the HMM-NCV40's adjustable sensitivity takes the guesswork out of identifying the live wire of a bundle. The HMM-NCV40 also has a wider detection range (5 to 1,000 Vac) than a typical NCV tester.

Non-contact voltage (NCV) detectors, including the HMM-NCV40, cannot detect DC voltages (such as those found in automotive electrical systems) or AC voltage through a wall or metal conduit. Unlike the typical NCV detector, the HMM-NCV40 has adjustable sensitivity—a

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ATi joins forces with Langham and Caption Data

Since its 2014 launch, the NephNet from ATi has proven to be the industry's most accurate and reliable portable turbidity monitor. Many water companies have used this new technology to improve their systems, prove the flushing is effective, and to speed up the process, which saves money, time, and of course water. CDL have IoT enabled the Nephnet from its creation, with many of ATi's customers choosing the benefits of online real time data.

The NanoULTRA used with ATi's NephNets is a battery powered IoT unit capable of working in robust circumstances (and with an IP68 optional enclosure) and with on board intelligence, a range of io's including Modbus, CANbus, instrument grade analogue and digital, and with an integral SD card 'flight recorder' it is transformational technology for field-based applications like water networks.

Caption Data and ATi partnership is even older, going back to 2008, when CDL started supplying remote

monitoring and telemetry units to them. This was before the phrase 'the Internet of Things' had been coined! Nowadays many of ATi water quality instruments including the NephNet are supplied 'IoT ready' with CDL units embedded within them for seamless data collection, analysis, and secure transmission to the Cloud where further analytics provide water utilities with actionable insight to manage their water networks.



The NanoULTRA battery powered RTU was used in this application; the system seamlessly creates a link to the CDL SmartHub where data can be viewed and analysed.

Please contact us on +44 (0)1905 754078 or email: sales@captiondata.com for further information

The RP320 3" mobile thermal printer

The RP320 3" mobile thermal printer is the latest addition to our thermal printer range from our partner Rongta.

With its double moulded case construction, protection is provided against dust, dirt and water ingress meeting three IP54 standard, plus it can withstand a drop onto hard floor from a height of 2M. It is capable of printing on both standard thermal paper and label rolls and has an adjustable paper holder within the paper tray so it can securely hold paper widths from 57mm to 80mm.

The RP320 3" provides flexible communication

options with both Bluetooth and Wi-Fi wireless connectivity plus a hardwired USB interface. It is supplied in either hi-vis orange or RAF blue and includes replaceable Li-ion battery pack. UK mains charger, USB cable and belt clip.



T +44 (0)1296 332000
www.craftdata.co.uk

Multimodal celebrates tenth year



Multimodal celebrated its tenth anniversary this year, welcoming a record 9,449 supply chain professionals and 325 exhibitors from 4-6 April 2017 at the Birmingham NEC, UK, its biggest show to date.

The three day, free-to-attend exhibition also had its best-attended educational programme this year, with standing room only for many of the sessions.

Eighty-two industry experts took to the stage to share insight and advice on topics ranging from Amazon's logistics model, rail freight opportunities, and briefings on Brexit, to container weighing rules, city logistics, improving air cargo performance, and raising professional driving standards.

This year included leading companies from across the logistics supply chain, including Peel Ports Group, Network Rail, DB Schenker, Wincanton, and Heathrow Airport, take part in the workshop and seminar programme. Exhibitors included Agility, Maritime Transport Ltd, DACHSER, Malcolm Logistics, Kuehne + Nagel, Port of Dover, CMA CGM Group, Port of Antwerp, Yusen Logistics, and Mediterranean Shipping Company.

The 2017 FTA Multimodal Awards, held at the VOX, were attended by over 800 guests and recognised best-in-class across air, road, rail, and maritime services, as well as a young logistics professional, an innovative infrastructure project, and environmental best practice.

Next year's Multimodal will take place from 1-3 May 2018 at Birmingham's NEC. This is our pick of the best exhibitors from this year's show, listed here in alphabetical order: Gideon Hillman Consulting, Röhlig Logistics & Thomar. Further details can be found here.

www.multimodal.org.uk

Supply chain and logistics specialists

Always endeavouring to deliver unparalleled expertise to their clients' supply chains and logistics operations, established in 2004 Gideon Hillman Consulting pride themselves on being dedicated to supporting the continual improvement, optimisation and management of your logistics operations across a range of sectors.

One of the UK's leading Supply Chain and Logistics Consultancies servicing clients throughout the UK and Europe; they specialise in Supply Chain and Logistics Operations, Distribution Network Strategy, Warehousing Operations, e-commerce Logistics and Warehouse and Distribution Centre Design and Optimisation.

A phenomenal initial two quarters in 2017, saw Gideon Hillman Consulting conducting projects for many new clients: ABB, Beiersdorf, Equip Outdoor Technologies, Hallis Hudson Group, Jestic Food Services, Knighton Foods, Refresco Beverages UK, and The Pen Shop.

Building upon their successes in 2017's first quarter, Gideon Hillman Consulting have since completed work for many more existing and new big-name clients; most recently including a project for BUILT/ an exciting new builders' warehouse concept backed by leading industry player Travis Perkins plc.



At Multimodal 2018 Gideon Hillman Consulting eagerly anticipate engaging with new, exciting clients to proudly discuss and promote their services to transform your logistics operations, to keep you one step ahead of the competition.

Visit Gideon Hillman Consulting on the UKWA Pavilion – Stand 7026.

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A Röhlig Logistics partnership gives our customers the best of both worlds. It gives customers access to a network of experienced, local forwarding offices across the globe, together with the services of dedicated UK account managers who appreciate your growing business and its unique logistics challenges.

"Our Röhlig account manager has a good understanding of our business needs, and we have a reliable logistics partnership that saves us time and money," commented one of our UK partner directors.

"We appreciate dealing with a single logistics partner as trading with 60 suppliers in different geographical locations is complex!" Their business buys from suppliers in California, Japan, China, Hong Kong, Korea, and Taiwan and goods are moved by a combination of air and sea freight.

Balancing the need for speedy delivery with cost efficiencies is a challenge met by their senior account manager here in the UK. Efficiencies are achieved by using consolidated shipments wherever possible, which also saves management time by keeping paperwork and administration under control.

From the customer point of view, the seamless IT network allows management to look ahead, fully aware of where and when their stock will arrive into the UK warehouse and be available to their customers and retailers. The local warehouse managers use the information to plan their daily schedules. The real-time cost information feeds into accurate management accounts so the business knows profit margins on all their goods without the need to use estimates and keep updating financial information.

To find out more about how a Röhlig partnership could help support your business, visit: www.rohlig.com, or telephone the Solihull team on +44 (0)121 745 9955.

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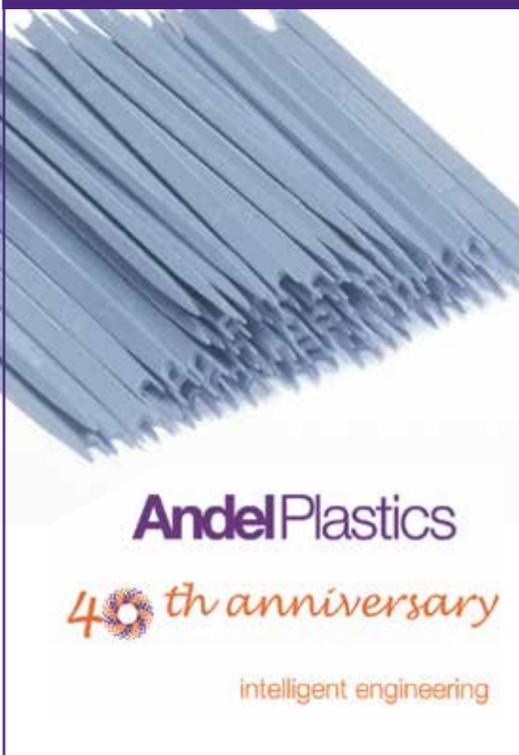
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Sensory experience is as important as functionality for flexible packaging

Masterbatch manufacturer, Ampacet, says that the right sensory experience is as important to the consumer as functionality when it comes to flexible packaging.

As a result, the company is focusing its portfolio of masterbatches for film applications on those that combine both aesthetics and haptics to create packaging that is both visually attractive and pleasant to touch and feel.

Examples of Ampacet's more unusual effect finishes include 'ReptyleFX' technology, where a spider web-like or snakeskin-like effect is possible for multi-layer coextruded film structures, allowing designers to create flexible packaging products that replicate snake skin's tactile and visual appeal. The technology is based on the unique combination of colours and special effect masterbatches added in the different layers of coextruded films.

The company also offers masterbatches to mimic traditional materials, while offering the benefits of polymeric films. Its 'Paperlook' and 'Kraft Paperlook' masterbatches for example provide the look of white or brown kraft paper and retain some of the characteristics of paper, including high stiffness, easy die-cutability, good dead-fold properties for easy converting,



hand-writability and matte soft surface finish, whilst present advantages over wood-pulp paper such as low tearability, low permeability and high moisture and grease resistance.

Ampacet recently announced the addition of a new range of matte compounds for Bi-Orientated Polypropylene (BOPP) film producers that it says complements the growing trend for a more low-gloss appearance in plastic packaging. The 'Matif' range has been developed and designed for the BOPP process, but is also suitable for use in multi-layer polyethylene blown film applications.

www.ampacet.com



ATS rapidly strengthens in application packaging and virtualization

ATS Global B.V. is pleased to announce that Helion will join forces with the ATS Teconomy Division to form an Application Packaging & Virtualization business of significant size. Combined teams will be able to tackle much larger projects and internationalize faster.

ATS Teconomy is an Expert Division of ATS Global and specialises in the rapid deployment of new software packages through a laser sharp focus on application packaging & virtualisation. Helion's team adds some seriously good expertise to the expanded division as well as their PackageFlow system. For customers this new expertise group can deliver fast, flexible and secure services from the smallest to the largest project.

Wobbe Storms and Marco van Oldeniel, joint managers at

ATS Teconomy welcomed the new acquisition "We have long seen the potential for the top players in our market working together. It makes it possible for us to invest in new software to rapidly develop the emerging market for application packaging and virtualisation. We cannot wait to work with our new colleagues to achieve some long held ambitions, time to make it happen!"

Bas Broeren and Erwin Sanders are the current owners of Helion. They explained "We could have continued happily for many years as an independent company but we both saw the merger with ATS Teconomy as an opportunity not to be missed. From a personal view it gives us the chance to bring our profession to a new level and critically to be able to internationalise through the ATS Global subsidiaries world-wide."

Bas Broeren and Erwin Sanders will remain with ATS Teconomy in executive roles alongside Wobbe Storms and Marco van Oldeniel, with Bas leading the integration team. The two companies will merge on 1 January 2018.

In a welcoming statement ATS's CEO Paul Bron said "Our global customer base is going to feel the impact of ATS Teconomy. Our customers are facing an unprecedented level of change with the introduction of Industry 4.0 and Smart Manufacturing. Our customers can face the challenge of change in their IT and OT (Operational Technology) systems with the confidence of being supported by the best expert team in the business, the race is on!"

www.ats-global.com



Web-to-print really works



Online print company Solopress has finished the summer season with over 11,000 reviews on Trustpilot.com, which hits an unprecedented milestone for any UK print business. The popular online review community publishes ratings and reviews for online businesses, giving customers a chance to directly assess the company. Having achieved 11,000 reviews, Solopress has set a review standard rated at 9.3 points out of 10.

For a print company that only obtains its orders online, it is crucial to provide new customers with a reliable platform where users can post their opinions.

Solopress' Customer Service

team actively communicates with users on the website. This helps tear down the wall between the customer and online ordering process.

The company offers a wide range of business related printed products, including business cards, leaflets, brochures, posters and banners.

Having constantly expanded its product catalogue, the company currently holds 34,106 product variations, and produced over 380 million printed items in 2016.

Solopress ships over 85% of its print jobs within 24 hours of ordering. Last year alone, the company produced over 300,000 online orders, and hit the 1,000,000th order milestone in October 2016.

The achievement on Trustpilot.com shows the success of Solopress' web-to-print business model, and leads the way to further growth in the future.

T +44 (0)1702 460047

Rothenberger rolls out new packaging for UK's best selling brazing torch

Rothenberger are recognised as the supplier of the world's most comprehensive range of professional plumbing and pipework tools. Mention the name to any plumber and they will almost instantly associate the name with their best-selling Super Fire 2 soldering and brazing torch. Sold in 19 countries the torch outperforms their competition owing to its unique design and outstanding performance.

As with most successful products copies have appeared in the market. This prompted Rothenberger to review their position and presentation of the product. Various options were considered including clampack, printed board cartons and transparent presentation packaging. Following months of research Rothenberger chose to use the transparent pack designed by Bell Packaging Limited.

The end caps are made using a special mould developed for the application. In addition to being a closure the cap can be used as a stand to hold the torch when not being used. The caps use the patented Jetlok® design of fixing (Patent

No. GB2355000). This feature ensures that copies cannot be made and protects the substantial investment made by Rothenberger in the new packaging.



The end caps are moulded using a special PP polymer which delivers excellent strength. The caps are 100% recyclable. The body of the box is made using a recycled grade of PET recycled film. A hanging facility is added to the pack to deliver a flexible and attractive completed pack which is decorated with a silver foil print

Previously the clampacks would be opened, removed and put in the bin however the new packaging gives the user an ideal container to store the torch when not in use. To meet the 2017 launch date the mould to make the end caps was created in the UK and all other aspects of the packaging are manufactured at the new Bell production facility that is BRC registered.

Contact Guy Hadwin at Superfire brazing torch on 01536 310300 or for more information on Jetran® packaging contact Kirsty Potts on 01757 708422.

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ORBIS' new plastic reusable GitterPak™

Foldable large containers hold up to 900kg and are an ideal alternative to metal bins

ORBIS® Corporation has a new foldable container (FLC) for use in the European market. Designed to European dimensions and produced in Europe, the 1,200mm x 800mm GitterPak™ holds up to 900kg. It is engineered as a strong and durable container for heavy weight loads that require increased packaging protection, while optimising pack density.

The GitterPak stacks securely when full and folds when empty, allowing for more containers per truck when compared with fixed-wall gitterboxes. With its all-plastic design, the GitterPak features a tare weight less than metal bins, so trucks will efficiently cube out before weighing out because of heavy packaging.

Its 1,200mm x 800mm x 960mm footprint makes it ideal for sequencing parts and right-sizing part shipments for line-side assembly and work-in-process operations. The GitterPak was designed to better protect and transport parts in global automotive and industrial applications by eliminating the need for gitterboxes or wooden crates.

The innovative three-runner base design allows the GitterPak to fit into current supported racking or automation systems that are standardised on the 1,200mm x 800mm footprint. The runner's double-wall construction was designed to withstand impact from fork trucks, while its two-snap engagement ensures secure runner-to-base connection.

www.orbiscorporation.de



OKI's A3 white toner printer

OKI's Pro8432WT next generation A3 white toner printer boasts the smallest footprint and compact design without compromising on functionality or specification. As well as performance, OKI has also reduced the real terms cost of white toner printing and included an incredible 2 additional white toner cartridges in the box, shipping with the equivalent of 13,000 white pages!

The Pro8432WT is supplied with enough toner as standard to easily make the profit to cover the capital costs, providing a compelling 'RoI' opportunity, ideal for print houses, graphic arts organisations and other businesses serious about high-quality decoration on everything from garments to trophies and signs. The Pro8432WT is big on quality with fantastic white

opacity and designed to print on all relevant transfer media.

"The Pro8432WT is designed to fit any print shop or design studio where space is at a premium, as a fast-turnaround, short run alternative to silk screen and other decorative methods. Thanks to its fast and easy set-up, it also provides an accelerated route to new revenue streams for high street print shops and businesses or organisations majoring in light production printing," explains Lee Webster, General Manager, Product Marketing, OKI Europe Ltd.

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Trendsetting powder handling solutions



L-R: Mark Rhodes, Carol Longden, Su Bromley, Paul Beamont, Stuart Beswick, Sharon Padley, Phil Brook, Dave Sargent, Connor Robinson & Noel Redfern receive the Company of the Year Award from our journalist

Industrial Process News is extremely proud to present its richly deserved Processing Solutions Company of the Year Award to Gericke Ltd for their dedication to providing total packages for conveying, feeding and mixing projects for the processing of bulk materials since 1894.

Having proved invaluable within the food, animal food, pharmaceutical, chemical, plastics, construction, environmental and cosmetics industries, Gericke's flexible solutions, which are based on innovation and operational safety, encompass the following processes: raw material reception, control sifting, pneumatic conveying, feeding, mixing, filling and automation. The broad scope of its activities has massively contributed to its years of success (as well as its promise to provide a swift return on investment and its machine accessibility).



Although the UK branch was set up in 1972, the company's roots officially date all the way back to 1894. The board of directors operating from the head office in Switzerland made the informed decision to expand the business even further with this additional facility after experiencing great success at their existing properties in Holland, France, Germany, USA, Brazil, China and Singapore.

The preceding 12 months especially have been an interesting time within Gericke UK. The global events of 2016, in particular the initial impact of Brexit resulted in a number of on-going enquiries facing postponement, scope reduction and even mothballing as



clients assessed their immediate and future investments. Product Manager, Dave Sargent tells us more:

"The first half of 2017 has seen a solid upturn in sales, particularly within our machine group and current projections indicate that the combined order intake for machines and systems will be ahead of budget. In the long term, with the support and cooperation of the worldwide Gericke group, we are well positioned to continue to innovate within our industrial sector, expand our range of clients and promote continuity of growth.

"The 4th quarter of 2016 saw changes to the management structure at Gericke UK, creating a new dynamic within the organisation. The appointment of a new General Manager (Colin Arlott), a new Head of Sales (Dan Baxter) and a repositioning of management, engineering and staff positions to maximise collective experience, develop new skillsets, and adapt to roles with new responsibilities.

The new organisation is committed to aligning UK business with the global Gericke group, forming stronger bonds and utilising worldwide Gericke expertise to provide a more comprehensive service to new and long-standing clients."

This year, Gericke's bestselling products include the range of Centrifugal Sifters which is designed to separate particles of different sizes into two product streams, or alternatively to remove tramp material.

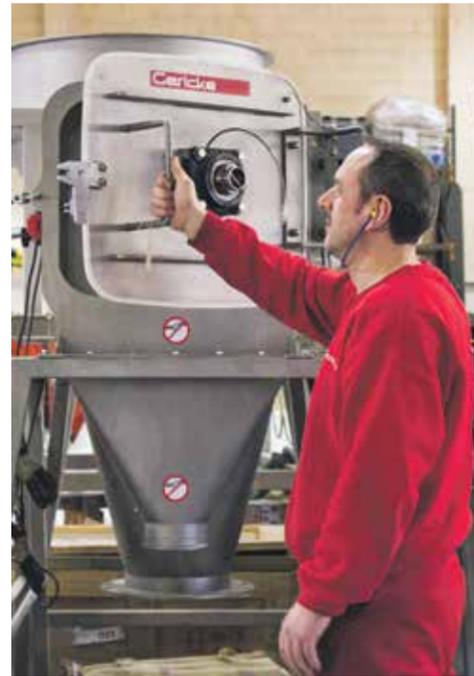
The compact, hygienic design and high throughput make centrifugal sifters the most appropriate equipment for high efficiency and high capacity product screening and calibration.

Another is the Package Vacuum conveying products, designed to meet the needs of modern day processes, capable of transporting powders, granules, flakes, fibres and small component parts. Both of which have seen a significant upturn in sales during 2017.

In order to effectively promote best practice within the industry, Gericke has rolled out an apprenticeship program designed to encourage young adults to learn about the trade whilst achieving relevant qualifications. This will enable students to make their way up the career ladder; progressing through the company and continually improving with the obtainment of other industry-specific certifications.

Gericke UK can be found just outside Manchester in Ashton-under-Lyne, where it specialises in the concentrated design, manufacture, delivery and installation of machinery and pneumatic conveying systems for bulk powder and granular handling applications. The team are particularly involved with the processing, conditioning and conveying of ingredients within the food sector.

"Our main clients are household names in the production of chocolate, confectionary, cereals, milk powder, coffee, make-up, instant noodles, pet food, animal feed, chewing gum, biscuits and bread," Dave explained. "In fact, it is likely that many of the food products you have eaten today have been made with the help of Gericke machines and systems.



Regardless of the market, however, we can offer products and services from a single machine for an existing plant to a complete turnkey package through conception to commissioning.

"Our aim going forward is to build on our excellent reputation as world leaders in bulk powder handling equipment and systems. Gericke worldwide are committed to continual improvement through innovative



design, which is reflected in the recently established centralised R&D group. The group has been tasked with developing new products and system components, improving existing machinery for leaner production and increased usability, and to go beyond generally accepted boundaries of continuous mixing"

"At Gericke UK, we are delighted to have been awarded the Industrial Process News - Company of the Year Award 2017," he concluded.

"We feel it reflects the continued efforts to provide a superior service to UK and global food manufacturer's, acknowledges our commitment to bringing young adults into the industry through our on-going apprenticeship scheme and highlights that Gericke are the preferred supplier for bulk powder handling across the process industry."

If you have a conveying, feeding or mixing project in place that you would like to enhance with a comprehensive handling package, or you have a new bulk handling application that you would like to move forward, then please don't hesitate to get in touch with Gericke at your earliest convenience.

Technologies and products can be specified to deliver your specific requirements and, should it be a necessity, authentic tests can be completed at Gericke's dedicated test centre facilities.

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