UNISIG modernises high volume receiver production

Rifle barrel receivers go on every rifle that is manufactured, and a growing firearms industry has affected the demands of manufacturers. One US based firearms manufacturer saw their production pushed to the limits with their existing equipment, and recognised the opportunity to update their older gundrilling machines to match their modern manufacturing facility. Their goal was to modernise, to handle current and future demand, eliminate a manufacturing bottleneck, and maintain the highest efficiency and accuracy standards possible.

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

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

Indexable gundrills are rigid gundrilling tools that use replaceable carbide inserts and wear pads for holes from 0.53 – 2.00 in (13.5 – 50mm) in diameter, at extremely high feed rates. Typical feed rate increase is from 3-4 times faster with indexable gundrilling.

This deep hole drilling process is supported by UNISIG’s UNI25HD 4-spindle, heavy duty gundrilling machine. This machine provides additional power, torque, and thrust required for these high-feed gundrills, as well as having extra rigid components to handle any vibration produced as a result of extremely high feed rates. Embedded automation is used to match the drastically improved production rate, and to integrate the gundrilling step with the cut-off lathe beforehand, and turning steps that follow.

Infeed automation loads parts from the previous step onto the smart conveyor, where they are indexed to load a four-part cycle and lifted into chucks for the approximate one minute drilling cycle. Robotic unloading on the outfeed side brings parts to the next manufacturing step, turning, at a pace that also matches gundrilling.

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

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

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**Backpack vacuum provides 3-in-1 solution**

Diversey is introducing a new and exciting addition to its successful TASKI AERO line. The TASKI AERO BACKPACK vacuum cleaner can be comfortably carried as a portable electric version, but it's also available as a battery version for the ultimate in agility.

The TASKI AERO BP is a 3-in-1 solution that can be used as a backpack vacuum, tub vacuum and even a useful blower. The backpack vacuum is suitable for cleaning in areas that are difficult to access with a conventional vacuum cleaner. These include busy entrances, congested areas like schools, office buildings or public transport. The battery model is ideal for cleaning in areas that are difficult to access with a conventional vacuum cleaner. These include busy entrances, congested areas like schools, office buildings or public transport.

The TASKI AERO BP is said to be among the lightest backpack vacuums, with its ultra-slim profile and high-quality notebook material making it extremely comfortable to carry. The weight distribution across the user's back is designed to ensure maximum comfort in operation. The overall weight of the electric version is just 1.7kg, while the battery version barely exceeds this at 5.3kg.

The Lithium battery technology gives users the confidence of high flexibility and autonomy. The TASKI AERO BP Lithium model can be configured in multiples of 30 minutes, so has limitless autonomy. The electric version, TASKI AERO BP, has an A-rated energy classification and delivers an impressive 30L/sec of autonomy. The electric version is just 1.7kg, while the battery version barely exceeds this at 5.3kg.

**Dixon introduces new EZLINK™ armless cam & groove**

A new push-to-connect positive locking system and low-profile design dramatically improves the ability to easily transfer and unload fuels, water and other liquids.

Dixon Group Europe Ltd, leading provider of hose and coupling solutions, are pleased to launch their new armless Cam & Grove product line – EZLINK™

The EZLink system is an innovative design concept that features an armless positive locking system. The EZLink’s innovative engineering is in stark contrast to conventional cam & groove products. EZLink is easier to connect, and the new design also requires less maintenance since there are no cam lever arms that tend to break and need replacing.

Simply push to connect the EZLink coupler to any standard cam & groove adapter to achieve a ultra-reliable connection. In addition, the product’s size profile allows for easy connection and disconnection in tight applications and operating conditions.

At present, Dixon’s EZLink product line includes types B, C, D and dust caps in 1½” to 4” in aluminium and from 1½” to 3” in stainless steel. These configurations come with a black Buna-Nitrile rubber seal as standard but FKM and Fluorosilicone are available on request to offer a low temperature as well as a chemically resistant seal option for various applications.

A copy of the EZ Link brochure is now available direct from Dixon. For more information visit www.dixoneurope.co.uk or email marketing@dixoneurope.co.uk or contact Dixon on 01772 323529
Here at Industry Update we are delighted to promote companies that are committed to upholding industry excellence. This is why we are thrilled, pleased and honoured to promote Kingston Engineering LTD for their world-class service and outstanding bespoke product range.

Kingston Engineering is proud to be one of Britain’s leading manufacturers of bespoke power transmission screws and nuts, supplying to the aerospace, nuclear, water, wind and rail industries. Based in Hull, the company have been manufacturing right hand/left hand, single/multi-start, cut thread power transmission screws and nuts for over 60 years. Since their establishment in 1919, the company have leapt from strength to strength and currently offer a full selection of thread forms that are suitable for mechanical power. Screws are produced in materials to suit your requirements. Furthermore, Kingston’s standard range of screw products are available from a minimum length and in steps of: – Acme – 3ft; Trapezoidal – 500mm, but can also be manufactured to suit a client’s requirements.

It is important to note that all of Kingston’s products meet ISO 9001-2015 accreditation and are manufactured under a quality regime, subject to final inspection before dispatch.

Their production facility is committed to first-rate precision manufacturing and over the years has benefited from considerable investment, incorporating a range of modern CNC/NC machines that have been specifically designed for transmission and precision screw manufacture.

This fantastic machinery, in conjunction with their highly skilled work force, has allowed Kingston Engineering to offer customers a product and service, all in a one-stop-shop.

Moreover, the company have recently invested in a Hi-Tech 450 AMC Turning Centre for increased rigidity and stability. The Turning Centre benefits live tooling by enhancing the turning capacity and features a range of added technical features, including: a 2 speed auto gear box, a fast indexing turret and a 12 station turret with live tooling.

The company have also invested in a new Mitutoyo Euro M544 Measuring Machine, which has become a significant addition to their inspection department. The machine allows Kingston Engineering to measure the physical geometrical characteristics of an object. Such a machine allows for printed inspection reports and is controlled by an operator, with measurements designed by a probe attached to the third moving axis of the machine. The machine benefits the company and clients significantly, as it can produce an accurate drawing of the part that can be used for the manufacture of bespoke items.

It is clear to see that over the years the company have significantly invested in their machinery for continued success. The company’s current directors have more than 100 years of experience between them and are continually striving to become global leaders in screw manufacturing. With a combination of exceptional customer service and a high-level of engineering expertise, it is clear to see why so many clients are commending Kingston Engineering. So if you would like to get in touch with the company, contact them on the number below. Alternatively, to view a full selection of their products and services, make sure you check out their website.

Contact
T +44 (0)1482 325676
www.kingston-engineering.co.uk
Toyota plugs leakage problems with headlight assemblies with plasma surface treatment

The Automotive industry relies on component manufacturers to supply complex components that can easily and quickly be fitted to cars in their assembly process. Many of these components require parts that are adhesively bonded together to create water-tight seals such as in the manufacture of headlamp assemblies. Failure of these bonds results in headlamps filling with water.

Modern automotive materials often have low surface energy which results in poor bonding, often resulting in substandard components. Many automotive manufacturers are looking for solutions to this problem.

Plasma surface treatment is being used by automotive manufacturers to clean, etch and functionalise surfaces to improve bonding of adhesives, inks, paints, coatings, compounds and more. Plasma treatment is effective on a wide variety of materials such as glass, metals, composites and polymers (PE, PP, TPO, POM, PUR, ABS, KAP, PA, Nylon, PC, PBT and PTFE).

Surface treatment is increasingly being used when painting plastic parts, such as bumpers and dashboards, and for adding a protective coating to sections that suffer from exposure to the elements. It is also ideal for improving the adhesive bond strength of adhesives used in headlamps, gaskets, mirrors and filters.

Plasma surface treatment generates a focused and concentrated plasma stream that bombard surfaces with a high-speed discharge of ions. This ion bombardment facilitates a micro etching or 'scrubbing' effect which can remove organic and inorganic contaminants from the surface of the object. As the surface energy increases so does the adhesive bond strength.

Toyota Camry Headlamp Project

Hella Australia Pty Ltd, a manufacturer of automotive lighting equipment, plastic mouldings and accessories for the most sophisticated new cars in the world, requested Enercon’s help to improve adhesion in Toyota’s Camry headlamp.

Hella’s challenge was to improve adhesion on a glue track for Toyota’s newest polypropylene headlamp, where a silicone adhesive was to be used to secure a polycarbonate lens.

Silicone is widely used because of its ability to be exposed to higher temperature and stresses for a number of reasons:

- More internal components create more heat.
- Halogen and Bi Xenon bulbs are hot.
- Increased temperature behind the lamp.
- Styling trends with small lamps and tighter tolerances put more stress on the adhesive.

However, achieving a good bond between the silicone adhesive and the component parts was proving problematic. To ensure the precise, repeatable treatment results required, Hella’s robotics team integrated the Enercon plasma treatment discharge head onto a 6-axis articulating robotic arm. This integrated solution applies the plasma discharge at a constant speed and distance from the component.

The ability to manipulate the plasma discharge to ensure optimum surface preparation in seconds allowed Hella to increase the speed of the manufacturing assembly. After the success of the trial, Hella purchased two Blown-ion® treaters for headlamp assembly lines.

Not only did Hella find a solution to improve adhesion and bonding in the Camry headlamp, they were also awarded Australia’s Excellence Award for Engineering by Toyota.

While plasma surface treatment is a technology relatively new in the UK, Enercon has been delivering surface treatment solutions around the world for over 30 years. To guarantee a successful solution to the specifics of each application and manufacturing process must be understood in detail.

So, to ensure the effectiveness of plasma treatment for each application, Enercon provides application trials, testing and advice either on site or in our own laboratory.

To find out how plasma treatment can improve your manufacturing processes visit the website below or alternatively call or email using the following details.

Contact
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Drilling deep to success

UNISIG is the world’s leading supplier of the complete deep hole drilling system, offering machines, tools and automation systems whilst working closely with each and every customer to ensure that their drilling project requirements are met. A complete dedication to support and customer satisfaction helps stand UNISIG out as the number one supplier worldwide.

Founded in 1981 by Swiss Industrial Group (SIG) and the US company United Technical, UNISIG provided deep hole drilling equipment technologies to the US market. A company called Entrust (established in 1973 by John Korosce) acquired the UNISIG brand in 1995 as a product division of Entrust and this coupling helped UNISIG redefine performance expectations in the deep hole drilling market. Ever since this merger, UNISIG has dominated the market with its industry leading technologies and continues to radically reduce lead times on projects through its innovations and expertise.

I had the chance to interview Philipp Steinle, managing director of UNISIG’s European Sales branch to find out more about the company.

“UNISIG deep hole drilling systems consists 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, Rohrm, Schunk, SKF, Wittenstein Alpha and ZF. Products are designed following all applicable ISO, DIN and IEC standard, and are exported worldwide.”

UNISIG supplies their products and services to a wide variety of clientele including automotive, defence, oil and gas, energy, aerospace and medical companies to name a few, but any sector that needs deep hole drilling will benefit from what UNISIG offers.

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

UNISIG’s latest line of machines, aimed at the mould industry, follow UNISIG’s usual trend of creating solutions that are refined and efficient. Mould manufacturers are faced with the challenge of handling large workpieces that require deep hole drilling as well as machining with maximum precision. UNISIG’s mould drilling and milling machines are specifically designed with market input to combine operations, reducing setup time and effort, increasing accuracy, and eliminating design restrictions of traditional machining centres.

With the new range of UNISIG’s USC-M deep drilling and milling centres, mould makers now have several powerful and versatile solutions for workpiece diameters of up to 3,600mm and workpiece weights of up to 30t. All machines combine several processes in to one: the deep hole drilling and milling on all four sides of a workpiece, while at the same time reducing setup times and increasing accuracy for mould makers. All machines support the high feed rates of modern indexable gundrill tools.

In addition to the use of gundrill deep hole drilling tools, some models can even support the more effective BTA deep hole drilling tools for the high performance drilling of waterline holes. A CAT50 quill allows you to perform all deep hole drilling and machining operations within the machine’s working range. The machines are equipped with a 360-degree rotary work table and a programmable deep drilling and machining spindle. These can be aligned via a pivot axis with 30 degrees down and 15 degrees upwards. The latest Heidenhain TNC 640 CNC controller and Heidenhain motors and drives are used and a full guarding with oil mist extraction completes the equipment.

This machine series has now been extended by 4-6 axis machines, for deep hole drilling with gundrilling tools and milling, with a universal spindle and a short-changeover between deep drilling and milling operations for the efficient production of small to medium sized workpieces. In addition, 5-7 axis machines are available for the use of gundrilling and more efficient BTA deep hole drilling tools, each with a dedicated spindle for deep drilling and milling, to dramatically increase performance for mould makers. High-end solutions include 7-axis machining centers for highly dynamic motion control, powerful milling spindle with gear reduction and optional pallet changer. With the model USC-M38, workpieces with a length of up to 2,500mm can be conventionally machined and deep-drilled in one clamping, whilst the larger USC-M50 can handle up to 3,000mm long workpieces.

The machines can be equipped with an automatic tool changer with up to 120 tool positions, a laser tool pre-setter, workpiece probes, Heidenhain glass scales for increased accuracy, as well as an automatic pallet changer.

Consistently looking forward and looking to improve upon their already stellar services, UNISIG continually invest in product development to improve their enterprise and better service their customers around the world. From increasing staff sizes to developing their expertise to better their manufacturing of critical components, UNISIG are constantly investing in ways to improve their business, machinery and customer service.

As one of the biggest names in the industry, you can expect to find the worldwide recognised company at multiple trade shows and exhibitions throughout the year. UNISIG have already cemented plans to attend the following shows: Shot Show Supplier Showcase in Las Vegas on the 21-22 January 2019, Houstex in Houston Texas on the 26-28 February 2019, IWA at the Exhibition Centre Nuremberg in Germany on 8-11 March 2019. For more dates and venues please visit UNISIG’s website below.

If you would like to find out more regarding deep hole drilling machinery, other products and services UNISIG offers then follow the link below for their website, or alternatively speak to them directly regarding your requirements and UNISIG’s professional and friendly team will support you every step of the way.

Contact
T +49 (0)7125 9687590
info@unisig.de
www.unisig.com
Greenbrook’s new Emergency Lighting range

Greenbrook Electrical has launched a stylish new range of Emergency Lighting – the Phoenix Range, offering indoor, outdoor, maintained and non-maintained fittings – in various styles including hanging signs, bulkheads, downlights, twin spots and anti-corrosives. We have opted for fittings that are easy to install – and in some cases that can be installed using different fixings methods e.g. wall mounted, ceiling mounted, semi-recessed etc.

Within this range is a new IP65 polycarbonate fitting which is link changeable to maintained or non-maintained and can be either wall or ceiling mounted. Complete with vinyl self-adhesive legends, it has a facility for remote switching and offers a hinged gear tray for easy inspection. With built-in battery protection and a charge indicator, this fitting really does tick all the boxes.

Emergency operation duration is a minimum of 3 hours. Contact Greenbrook for more details of this new exciting range.

Contact
T 01279 772772
www.greenbrook.co.uk

Niglon plugs into interior design trends with Premium Edge S launch

Wiring accessories and consumables specialist, Niglon, has launched the Premium Edge S range, offering a new high quality, stylish and competitively priced option for sockets and switches that complement contemporary interior design trends.

The move reflects increasing attention to detail in the specification of wiring accessories to complement interiors, with a design that pairs a brushed chrome plate and rockers with grey socket inserts for a high-end, unobtrusive look.

The result is a classic range that co-ordinates effortlessly with light fixtures and door handles whilst complementing current trends for grey furniture, paintwork and wall coverings. The Premium Edge range offers ease of installation too, with modular 10AX switches enabling ease of reconfiguration on site without the need for a full grid system and an edge to edge gasket to prevent tarnishing of the unit due to moisture penetration from damp plaster or screeds on site.

Contact
T 0121 711 1990
www.niglon.co.uk

3D Printing & Scanning Update

One of the most unique exhibitions at this year’s TCT Show was undoubtedly Barbara Taylor-Harris’s 3D pen installation. Experienced in everything from education to curriculum design to art, Barbara attended the TCT Show to showcase the possibilities of 3D pens and their potential for learning.

3D pens are handheld 3D printers, using standard 3D printer filament. Highly innovative, they have the ability to revolutionise the design industry, however they’re still sorely underutilised. We spoke to Barbara who explained, “Operating like a sophisticated glue gun, 3D pens are far faster than using a typical 3D printer. They can bring ideas to life, making something you can handle, inspect, cut and mould. In fact, you can go from an idea to a graspable prototype within one hour not only that, but 3D pens also work as a functional teaching aid, perfect for design, engineering and technology professionals, and also great for team building exercises.”

At the TCT Show, Barbara showed off a bush which stood 1.6m high, and was adorned with butterflies. Show visitors and fellow industry peers were instantly hooked, and upon learning more about how she crafted it, were surprised to learn the entire structure had been crafted using just a 3D pen.

In order to highlight the advantages of these devices, Barbara has published a book called Go Beyond Doodling: Make 3D Pen Art which is available on Amazon. Teaching 3D pen techniques, the book comes with 38 different projects that readers can make, building and learning modern design skills as they go.

Contact
T 01572 822210
Industry Update is proud to award Friendly Soap with our Environmentally Friendly Company of the Month for their incredibly ethical and superb quality all-natural soaps and shampoo bars; produced to the highest standard by-hand, right here in the UK.

The ever growing trend in consumer habits is to source products and services from companies that do the extra mile. Customers are increasingly on the lookout for products that are kind to the environment; or that take animal welfare into consideration – while some are looking for that special company that source ingredients conforming to their dietary or beliefs, i.e. vegan friendly.

Maybe it’s the use of only naturally occurring ingredients they are searching out, packaging that is recyclable and can be re-recycled, or finding a company whose ethical values ensure products are honest, true to the company’s word, and not priced to ‘rip-off’ and turn a profit for shareholders.

More than just soap
Friendly Soap produces their soaps using the ancient cold-process method, ensuring a biodegradable soap with no produced by-products; and of course each bar is hand-made – not like a mass production product with no produced by-products; and of course their soaps are free from harmful preservatives and foaming agents thanks to the zero use of SLS and Parabens – but make no mistake; these soaps are still silky and foamy thanks to the use of naturally lathering ingredients.

Their soaps don’t contain animal products and Geoff and Rob are against any form of animal testing, giving them Cruelty Free International and The Vegan Society accreditation. Their refusal to use Palm Oil – or oil which accounts for acres of rainforest destroyed every hour, along with the animals who live amongst the trees – emphasise their passion for a true planet friendly soap. They have instead sourced their nourishing ingredients such as Shea Butter, from a women’s worker cooperative in Ghana, and their Coconut Oil is not produced using slave monolays to pick the fruit – believe it or not this happens.

The choice is yours
Using only natural essential oils, flowers, spices and herbs, Friendly Soap ensure each product they sell is checked full of fragrance and essential cleaning oils – after all what use is ethical natural soap if it doesn’t clean (actually it cleans better than harsh chemical based soaps and gels).

From an Aloe Vera based soap, Lavender, or Lemongrass and hemp, to more citrus notes like the orange and grapefruit soap; or a more exfoliating alternative like the peppermint and poppy seed variety – where the seeds act as a natural exfoliant as opposed to those terrible micro-beads – there’s something for everyone.

Established in 2008 by Geoff Kerouac and Rob Costello and based in Rochwood Mill, Todmorden, High in the Pennines; Friendly Soap came from two men whose desire was to use 100% natural ingredients to create soap made with an ethical conscience, at affordable prices.

For Geoff and Rob, making soap is about more than manufacturing a product. It’s a constant process of learning, improving and refining in order to make as little impact on nature and health as possible – this combined with an unusual but appealing quality of running their business with ethics coming before profit ensures their soaps are made with love and passion.

and customer base are limitless as Colin explains.

“We are in the small diameter drain pipe cleaning business which includes drainage for, wash basins – including hospitals where we can eradicate very harmful bacteria, a huge issue for the Health Sector; bath and sink wastes in hotels and domestic properties; marine applications – particularly dealing with ‘Grey waste’, urinals; and retail refrigerated display case drainage suffering from severe bacterial blockages caused by Polysaccharides.”

With such an incredible innovation as the Puracator series cleaning solutions it really is no wonder Colin and his team have been awarded our Cleaning Solutions Company of the Month, and we are excited to see where their continued success will take Puracator in the future.

For more information regarding Friendly Soap and their incredible product range head on over to their website, or alternatively use the below details to contact the friendly team using the following details.

T 01908 813666
info@friendlysoap.co.uk
www.friendlysoap.co.uk

Friendly to you and the environment
Deep cleaning without the headache

Industry Update is excited and proud to award Puracator with our Cleaning Solutions Company of the Month for their outstanding and innovative creation of the world’s first Puracator® MF and Puracator® SF series cleaning solutions; making it possible to deep clean the drains and piping of sinks, urinals and multi-deck refrigerated display cabinets without dismantling pipework.

Drains and pipes that become blocked or constricted can cause a back flow of water, potentially creating health and safety hazards either through; water spillages on shop floors, terrible odours and hazardous waste products accumulating in areas where stock, staff and customers may be affected; or creating a headache for all concerned when it comes to rectifying the issue.

Puracator – a division of Atium GS Limited, with their head office in Milton Keynes and manufacturing plant in Leek, Staffordshire, have developed the ONS® solutions available to tackle these kinds of deep drain and pipe cleaning issues, producing incredible results without the usually associated and extremely costly dismantling of pipework.

Puracator® MF and Puracator® SF are both capable of cleaning and clearing the drains and pipework of sinks, urinals and multi-deck refrigerated display cabinets without dismantling the piping; the MF series is also able to pasteurise thanks to its ability to deliver saturated steam at 90°C – adding a crucial beneficial sterilising component to the medical and food industries.

We had the chance to interview Colin Harrison, Director at Puracator to discuss their solutions in greater detail, and we also asked what he thinks elevates them above the competition.

“Without being arrogant, we do not believe we have any competition. Nobody to date has demonstrated the ability to enter a pressure cleaner round ‘Y’-hops’, 90 degree bends and ‘T’-junctions’. The traditional solution is to call a plumber who would need to strip out the pipework, use chemicals and mechanical cleaning devices which do not clean the entire inner surface of the pipework as Puracator does. The added ability to apply pressurised water at 5bars, plus the option of steam cleaning the entire inner surface at up to 90°C along with the capability to apply an inhibitor coating to the entire inner surface of the pipework is unique only to Puracator.”

“We have also just released our new battery operated model thus avoiding the need for trailing electric supply cables for our smaller unit the Puracator SF which does all that the larger Puracator MF does; with the exception of producing steam.”

The innovations Puracator have achieved in their cleaning series are remarkable, and their applications

and their incredible product range head on over to their website below, or contact the friendly team using the following details.

T 01908 511079
ann@astralumps.co.uk
www.puracator.co.uk

Puracator’s world first cleaning series are remarkable, and their applications

Industry Update is sponsored by Friendly Soap – see them on page 7
Grauman Group is the sole wastewater network services maintenance partner for Thames Water. In 2018, Thames Water awarded Lanes with substantial new contracts to provide additional specialist services, including wastewater treatment plant cleaning, pumping station cleaning, well cleaning, and tankering.

Lanes Group also won a major new contract to provide wet well cleaning for Northumbrian Water, and continued to deepen its relationships with other water utility providers, including Severn Trent Water and Anglian Water, winning new packages of work.

The company owns Ards Group, which operates AQS Environmental Solutions, a leading drainage and industrial cleaning specialist in Ireland, and drainage company UDRN Waterflow (I) Ltd.

Key growth sectors for the business during 2018 have included highways, rail, energy, local government, construction, and housing.

Lanes Group is recognised for its innovation, investment in the most advanced specialist equipment, and strong focus on training and safety.

It won the Water Industry Achievement Safety and Wellbeing Award in 2018 and was a finalist in two other categories. Lanes holds a RoSPA Gold Medal after winning its 9th consecutive RoSPA Gold Award.

T 0800 526 488
www.LanesforDrains.co.uk

EcoCooling’s innovative air cooling technology helps office furniture giant

Herman Miller’s adoption of evaporative cooling is a superb example of how innovation within energy efficient technologies can not only improve the working environment, but save costs from a company’s bottom line.

Heating, ventilation and cooling play crucial roles within manufacturing facilities. EcoCooling’s application engineering department offered its years of evaporative cooling experience on the design and installation of an energy efficient cooling system.

Nine ECP EcoCooler Small units were installed for the 170,000 sq ft manufacturing space — enabling control of the air temperature and humidity levels in the assembly and manufacturing machine areas, acting as a dehumidification system for winter and as a ventilation or evaporative cooling system in the summer.

The external units are roof mounted so require no floor or external space for installation. EcoCooling approved installers took five weeks to finalise the project without any need for downtime.

Even on the very hottest summer days the EcoCoolers will deliver fresh washing environment. With an outstanding usability, it turns your tests and measurement tasks into fun.

It gets you to your measurement results in two simple steps. And with this powerful software, you can upload your acquired data to the HBM Cloud and share it with your colleagues around the globe.

- Fast to Reliable Data
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More information: www.hbm.com/evidas

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MFC 2172 with EtherCAT interface

Axetris mass flow meters and controllers are based on the in-house MEMS flow chip (YouTube video), and have helped OEMs worldwide achieve the highest performance in their applications, whether it be in industrial applications such as thin film processes, or in highly-reproducible analytical instruments.

Contact the Axetris mass flow experts to discuss our new MFC 2172 with EtherCAT interface and your requirements for cutting-edge mass flow control.

Read more about EtherCAT and how MEMS-based thermal mass flow technology can deliver concrete advantages in your application.
Drainage engineers from Lanes Group plc have carried out cleaning and surveying of surface drains serving a new armoured fighting vehicle test facility in South Wales. They were called in to ensure the drainage system at the facility was in optimum condition with no blockages before it was handed over following its installation.

The test track has been built at the General Dynamics armoured fighting vehicle assembly, integration, and testing facility at Merthyr Tydfil in Mid Glamorgan. General Dynamics UK has been awarded contracts worth £3.9 billion to deliver and service 589 Ajax armoured fighting vehicles for the British Army until 2024.

The track, built by Griffiths Civil Engineering and Construction, allows the military vehicles to be fully tested before they are handed over to the Army. Griffiths Site Agent Chris Williams said: “The surface water drainage system makes sure the track delivers the same highly-accurate performance test results all-year-round. As such, it was important for us to commission Lanes to carry out the drainage survey and cleaning of all underground pipework. The drainage survey reports allowed us to show the client the drainage system across the test site was fit for purpose.”

A jet vacuum tanker and a CCTV drainage survey team from the Lanes Cardiff depot were deployed to carry out the work. The drainage system included standard surface water pipes and a network of filter pipes, which collect water from surrounding ground. Drainage engineers from Lanes Group plc have carried out cleaning and surveying of surface drains serving a new armoured fighting vehicle test facility in South Wales. They were called in to ensure the drainage system at the facility was in optimum condition with no blockages before it was handed over following its installation.

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Drainage engineers from Lanes Group plc have carried out cleaning and surveying of surface drains serving a new armoured fighting vehicle test facility in South Wales. They were called in to ensure the drainage system at the facility was in optimum condition with no blockages before it was handed over following its installation.

The test track has been built at the General Dynamics armoured fighting vehicle assembly, integration, and testing facility at Merthyr Tydfil in Mid Glamorgan. General Dynamics UK has been awarded contracts worth £3.9 billion to deliver and service 589 Ajax armoured fighting vehicles for the British Army until 2024.

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Vacuum transducers of diverse manufacturers can now be replaced without great efforts with Thyracont solutions which are compatible to those of various competitors. Therefore, the user is no longer bound to a manufacturer even with regard to existing facilities.

Especially two criteria are valid for a physically and functionally smooth exchange: the compatibility of the connection ensures that the used cables can be maintained. Changes in the system programming are not necessary due to identical output characteristics. The digital transducers of the Smartline™ series measure from 1,200 to 5e-10 mbar and have a RS485 interface as well as an analogue 0-10 V output signal. The adaption to the needed output characteristics of the corresponding competitor gauge or to individual customer demands will be made as a free of charge service. The user is even able to adapt the output characteristics within the gauge configuration himself only with a few clicks or choose between more than 90 predefined characteristic curves of competitor gauges with the free lite version of our VacuGraph® software for Windows. Corresponding mating plugs provide the physical compatibility of the Smartline transducers.

If the standard RS485 interface of the transducers is being used, the user profits from a number of other functions like the digital adjustment to zero and atmosphere, two relay switching points or the possibility to determine the switching range of the combination gauges himself. Furthermore, the transducers are also available with a LCD display and can be connected to the 2 or 4 channel controllers of Thyracont. The manufacturer alternatively offers further interface variations like Profinet or EtherCat as well as different adapters to Bluetooth or USB.

P CB’s micro ICP Pressure Sensor, Model 132B38, is suited for wind tunnel applications that require very small test sensors and very high frequency response. This improved design features a centred sensing element which improves accuracy of time of arrival, targeting, sniper/projectile detection systems, and aerodynamic testing in high speed wind tunnels.

Model 132B38 measures high frequency pressure phenomena and can resolve short wave lengths, dynamic pressure pulses.

This pressure sensor measures shock waves above 13kHz and up to 1MHz.

With a measurement range of 50psi and a resolution of 0.001psi, it is sensitive enough to measure standing waves associated with boundary-layer transitions and the bow and stern of shock-waves created by projectiles. The sensor features stainless steel housing and a 10-foot integral cable that terminates in a 10-32 coaxial jack.

Contact
www.pcbl.com

Flow measurement technologies

Available to download from Omega’s website is the company’s flow measurement brochure that includes details of products, together with selection guides.

Products featured include the FMG600 Series of electromagnetic flowmeters, the FDT-40E Series of clamp-on ultrasonic energy flowmeters, and the FMA-LP2600A low pressure drop gas mass flow controllers for clean gases.

In addition, there is an article called Applying ultrasonic level sensors in ultrapure water tanks: www.omega.co.uk/about/register/UK_Flow_Register.html


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# Industry Update

Test, Measurement & Monitoring Update

Easily replaced

Pressure Measurement

Standard and Custom Transducers

Sensing high speed dynamic pressure
Portescap offers two more new length sizes under its ECT range of Ultra EC Brushless Slotless motors – the 35mm 22ECT35 & the 48mm 22ECT48. As well as offering higher torque capacity, the new 22ECT motors are light in weight and come in a compact package which helps in further miniaturisation of the customer application.

With almost 50% more continuous torque than similar comparative motors, the 22ECT motors are optimised for high continuous torque at low to medium speeds, maximising power between 10k and 20k rpm.

They are powered by Portescap’s Ultra Coil Technology and multipolar rotor design, which provides torque of up to 41.6mNm.

The new 22ECT motors are available with hall sensors and three different coils to match speed and voltage requirements.

Contact
T +41 32 925 61 11

Ultra high torque in a compact package

A hat trick that our clients will tell you is well deserved

TC Security Services, part of TC Facilities Management (TCFM), have not only been placed in the top 2% of all SIA listed companies within the Approved Contractor Scheme in the UK, they have also passed the ISO 9001 and 14001 management systems audits which come into force next month.

The 4-day visit by both auditors involved full scrutiny of the TC Security Services operation and for the ACS audit included visiting both the Head Quarters and satellite offices along with a mix of varied customers.

The maximum overall score on the ACS audit that can be achieved is currently 175 points. TC Security Services’ score of 164 places them not only in the top 2% of all SIA listed companies within the Approved Contractor Scheme, it also showed an increase in the score awarded by the auditors in 2017. All this shows TC Security Services as one of the very best security companies in the entire country.

Coupled with this was passing the ISO 9001:2015 and 14001:2015 management systems audits. This was the fourth time these new quality standards, coming in to effect on September 14th, 2018 have been audited and passed each time.

Both achievements mean that potential and existing customers have the confidence that not only has our service been independently assessed against recognised standards and procedures, it also offers added peace of mind that all the security personnel have been correctly trained for the role they are performing and our quality and management systems meet these ISO standards.

Steve Wengrow, Divisional Director, TC Facilities Management

In addition to this contract win, TC Specialist Services have also secured an extension to the contract to clean the windows at 678 pubs and restaurants from Mitchells and Butlers’ portfolio which includes Harvester, Ember Inns, Vintage Inns, Toby Carvery and Miller & Carter to name a few. This takes the total number of sites cleaned by TC Specialist Services to 2,390.

Steve Wengrow, Divisional Director, TCFM added, “Our team have worked incredibly hard to secure this win and are looking forward to demonstrating to Poundland our innovative approach to delivering a great service.”

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TC Specialist Services bringing an extra sparkle to Poundland stores

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Vehicle improvement through science

Cataclean’s range of petrol and diesel additives are a multi-purpose fuel and exhaust system cleaner; offering an 8-in-1 solution that can extend the life of the components coming into contact with the solution, reduce harmful exhaust emissions – and more. Over the years they have found incredible praise, and are backed by endorsements from leading automotive industry experts such as Halfords Autocentre, professional mechanic magazines, and the RAC.

After much research and development Cataclean founders, Ross Baigent and Hugh Collins created their patented ‘pour and go’ solutions for cleaning fuel and exhaust systems before, during, and after combustion, eliminating the need to pay for premium fuels at petrol stations, reducing emissions, increasing fuel economy and prolonging the life of many expensive parts.

Established in 1995; the highly dedicated Cataclean team – with over two decades of hard work, product refinement and networking – has propelled Cataclean, penetrating the global market. Based in Liverpool, they now have partners in USA, China, Spain, Austria and Taiwan and are recognised in the aftermarket automotive industry as the leader in petrol and diesel multi-purpose additives.

More than your standard additive
Cataclean contains solvents that can break down deposits formed by oxidation and polymerisation of hydrocarbons in fuel delivery systems. Cataclean also includes acetone which is known to improve the efficiency of fuel combustion.

Once Cataclean combuts; carboxylic acids, aldehydes and active peroxide compounds are formed. These compounds in the exhaust vapours work to clean the surfaces inside the converter. The result is the removal of deposits from the surface of the core, which increases the catalytic’s ability to remove harmful exhaust emissions such as carbon monoxide & nitrogen oxides. Most importantly Cataclean does not alter fuel composition and has passed all necessary EU standards to ensure safety and peace of mind.

We had the opportunity to ask William Jones, UK Sales, about Cataclean and their incredible market leading products; CATALCLEAN® Petrol and CATALCLEAN® Diesel.

“Cataclean represents the ultimate in fuel additives, as our products not only clean and restore the entire engine, fuel and exhaust system but also protect the vital components. Simply pouring the appropriate Cataclean product for the fuel type of the vehicle into the tank every 3 months (or every 3,000 miles) instantly begins to remove harmful carbon and resin deposits – with long term use, protection against build-ups and clogging help to prevent the failure of engines and exhaust systems.”

“The study concluded that NOx emissions dropped by 16%, CO emissions fell by 24% and hydrocarbons were reduced by 32%. Fuel economy also improved by 9.7% while the estimated service life of the van’s diesel particulate filters was increased by 2,344 miles to 124,224 miles.”

Looking ahead
We asked William if Cataclean have any plans for the future both short-term and long-term.

“We are really serious about pushing into the global market on a much bigger scale. Belief in our products ensures success, and to further penetrate outside of the UK we have recently recruited three international sales managers to our team – with our ultimate goal to make Cataclean a truly worldwide brand.”

“Short-term is all about getting our products into the hands of our customers, and we regularly look at different outlets, distributors and ways of achieving this. We have found that our attendance at shows around the world is one of the better ways to get our products into a greater number of outlets and directly, our customers. We recently attended the largest aftermarket automotive show in Birmingham – Automechanika, and we also went overseas to Spain, Austria and Taiwan and are recognised in the aftermarket automotive industry as the leader in petrol and diesel multi-purpose additives.

Although there’s other fuel and exhaust system cleaners on the market, Cataclean’s multi-purpose fuel and exhaust system cleaner offers an 8-in-1 solution that their competitors do not. Adding the solution to the fuel will clean, restore and protect; the engine, cylinder heads, intake valves, injectors, diesel particulate, catalytic converter, oxygen sensors and exhaust.

No real! Cataclean’s solutions sound more like magic than science, or maybe too good to be true, but Cataclean pride themselves on their incredible reputation amongst motorists, experts in the industry and also the numerous professional motorsport competitors that use their products, and so they understand that results matter more than incredible marketing spiel.

And so Cataclean partnered up with London based van fleet management firm ARI and the RAC to conduct a series of extensive tests over a set period of time to prove their claims are not just words.

“The shows were the second year of our foray into this area and we have noticed that compared to the previous year there was a lot more recognition of the product along with brand awareness. China for the CIAME 2018 YASN Guangzhou Expo.”

Thanks to their new found success in shows you’ll be able to find Cataclean at next year’s Automechanika at the NEC in Birmingham on 4-6 June 2019, where they’ll be showcasing their CATALCLEAN® Petrol and CATALCLEAN® Diesel to top professionals and clients. Check out their website for more details in the coming months.

For more information on Cataclean’s incredible market leading products, or to find out where you can get a hold of their automotive additives visit the website below, or alternatively contact the team directly if you have any queries using the following details.

UK 0800 553 5395
info@cataclean.com
www.cataclean.com
Fuel efficiency and emissions reduction specialists

Opti Innovations was first established in 2012. Based in Halifax, West Yorkshire, the company specializes in producing a fuel additive known as Opti-Diesel. Opti-Diesel reduces combustion energy losses and reduces greenhouse gas emissions in both diesel and petrol.

The technology was initially invented and developed by a scientist in the United States but has been further developed and brought to market in the United Kingdom.

Opti-Diesel has been tested around the world; it reduces harmful emissions and helps to improve specific fuel consumption, which is a measure of the amount of fuel required to generate a specific amount of work output.

Opti-Diesel is easy to use, does not require fuel tanks to be changed, requires no extra kit to be installed on a vehicle and has no adverse impact on existing emissions control systems and does no harm to an engine. The product is simply added to fuel and thoroughly mixed in; it can be poured directly into a vehicle’s fuel tank prior to fill up, or, using a proprietary dosing system, it can be dispensed into bulk fuel storage tanks during refilling, and vehicles can then refuel from that treated tank.

The product has been undergoing rigorous tests to provide the very best results for all customers. Opti-Innovations believe their product has the potential to have a large impact on the global consumption of fossil fuels and their environmental impact.

Opti-Diesel is a blend of catalytic metal oxide and organometallic catalysts that have been diluted in an organic solvent. Opti-Diesel contains both oxidation and reduction catalysts. Opti-Diesel was originally created to work with petrol but can also be used with many other carbon-based fuels. The components that form Opti-Diesel are all fully REACH compliant.

The product works initially by the oxidation catalyst reducing the amount of energy the system requires to initiate and propagate combustion, thus increasing the amount of system energy available as output. The reduction catalysts in Opti-Diesel's function by using existing hydrocarbon free radicals that are formed whilst the combustion process is taking place to create chemical reactions that reduces the levels of unwanted gases such as NOx and CO.

We spoke to Ted Dickin of Opti-Diesel who said, “If every vehicle was running on Opti-Diesel, we could clean up London in a matter of six weeks! Opti-Diesel is not just about saving fuel and reducing emissions but saving lives too.

With better fuel efficiency comes fewer emissions and less pollution, and we are currently working closely with the influential FairFuelUK Campaign. They are working extremely hard to convince the Government to adopt better ways to lower vehicle emissions, such as Opti-Diesel.

Our Westminster politicians seem to be favouring vehicle bans and hitting drivers deeper in the pocket with regressive toxic taxes, instead of implementing practical proven and so much more effective methods to improve air quality. FairFuelUK with MPs are soon to publish an All-Party Parliamentary Group report inquiry into these alternative solutions, including Opti-Diesel.”

Customer service is at the forefront of the business. They believe in loyalty, honesty and treating all customers with utmost respect, which is why all of their knowledgeable staff are fully trained to help give you the best customer experience possible.

For further information of general enquiries, please visit the Opti-Innovations website. Alternatively, you can contact the company via telephone or email.

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Car Maintenance & Vehicle Solutions Update

Gen-3: The best ceramic coating on the market

With 18 OEM approvals and more in the pipeline, our market share is continually growing.

To strengthen our position, Gen-3 has recently launched its new Finance & Insurance (F&I) offering.

This is designed to assist owners in protecting their vehicles in the event of an unfortunate incident while mitigating the cost of repairs incurred in restoring its appearance to preserve its resale value.

The new F&I offering only succeeds in strengthening our brand in the market.

The Cosmetic Insurance (Restore)

Along with our other products have been launched under our new strata line – Protection, it’s in our DNA and complies with the rest of Gen-3’s offering.

The Restorse policy includes an unlimited amount of claims up to a £3,000 aggregate, with up to £500 per claim covered by the policy.

An optional alloy wheel add-on to the main policy also covers up to nine alloy wheel repairs for the duration of a three-year policy.

If you are interested in working together with Gen-3, please contact: customerservice@gen-3glasscoat.com

Auto Cloud Tech has developed an affordable, cloud-based ERP system, powered by TecDoc, for small to medium motor factors. It integrates all aspects of your business, giving all the information and reports required. It includes:

- An eCommerce website with registration look up facility incorporatingSKU data for trade or retail.
- A multi branch live stocks control system. TecCom enabled. Incoming goods will be scanned in, through the barcode, ensuring that the stock is immediately updated.
- Exceptionally high speed counter/telephone system. Everything is accessible from the home page, including information on your client, checking for parts internally or externally, ordering, and invoicing. Our registration look up can be integrated with approximately 400,000 parts of OE data.
- Control & Reporting, with the facility to control margins by brand, product, category, etc. You may tailor reports on sales, purchasing, returns, margins, or orders by location, sales person, product, product group, supplier, etc.
- Full accounting system, HR package, and an excellent Customer Relations Management system with reports and monitoring tools.
- PRICE!!! The setup cost for the fully integrated system is approximately £15,000 for the first branch and this would be less for subsequent outlets. There are monthly license fees of approximately £40 per user as well as a small cost to include hosting and Microsoft server costs.

For further information, call Derek on +35386 8472975 and email: derek@autocloudtech.ie or call Philip on +35386 2408700 and email: philip@autocloudtech.ie
For this issue of Industry Update, we are incredibly pleased to present NSF Controls with our highly esteemed and most deserved Industry Excellence award, chosen in light of their outstanding range of solenoids, switches and electro-mechanical assembly services.

The company traces its roots back to the 1930s, moving its base in 1948 to their current site in Keighley. After a successful buy out in 1997, NSF Controls became the industry recognised manufacturing powerhouse they are known as today.

NSF Controls specialises in the design, manufacture and supply of high quality reliable products and assembly services, having the largest selection of solenoids and switches from a single source across Europe.

Their solenoid range includes; Tubular, Rotary, Low Profile, Open Frame, Steppers, BTA & Selectors. All of NSF solenoids are DC as they are quieter in operation, longer lasting and less likely to have temperature increases.

NSF Controls cover a wide range of markets including Industrial & Commercial Automation, Defence, Utilities, Automotive, Security, Leisure and Medical. Their expert team can help customers select the best product for their application needs. NSF Controls have continuously invested in advanced tooling and manufacturing facilities in order to continue to be at the forefront of technological break-throughs. NSF Controls is BSI Quality Management System ISO9001:2015 certified demonstrating commitment to consistently high quality manufacturing standards and customer focused operations. They are also BSI ISO 14001 Environmental Management certified, showing their dedication to reducing the environmental impact of their business activities and products.

NSF Controls has on site engineers, technical support, CAD and 3D printing coupled with the advanced tooling capabilities to make prototypes and develop new products quickly and cost effectively. The company works closely with their customer to provide a bespoke design service, which can range from a small product modification to a full custom design, 90% of NSF Controls products come from this development process.

NSF Controls’ Shut-off Valve is a product booming in popularity with over nine million successful installations.

The Shut-off valve is designed to regulate gas usage, with a simple compact design, excellent flow rate and 100% checked by semi-automatic testing rigs before they leave the site. NSF Controls recognised the way technology is advancing in the utilities sector, and have invested in research and design of a new motorised gas valve which is being put into production in 2019. NSF Controls has a wide range of switches including; toggle/lever switches, PATT switches and Enclosed rotary switches. The company has recently added the Free-Way switch range for guitars to their manufacturing portfolio.

The company has had year upon year growth which now includes extensive global partnerships, as well as delivering to 30 countries across 5 continents.

We spoke to Sales Director Doug Priestley about NSF Controls vision for the future: “Our aim is to uphold our established reputation for high-performance products alongside good customer interaction. We listen carefully to our customers’ needs and respond with practical, innovative solutions, we strive for continuous improvement to maintain the provision of world-class standards from our UK manufacturing base.”

In 2017 Julian Heyworth was appointed as CEO, who has put in place a strategy to widen their range of manufacturing and design services. Julian stated, “NSF Controls is renowned for solving the actuation requirements of today’s technologically complex and changing world. I’m looking to develop UK opportunities and capitalise on those presented by the wider global market. On-going development in our world-class UK manufacturing facilities is also a priority of mine.”

NSF Controls offers reliable, flexible electro-mechanical assembly services and have the capacity of small to large production, ranging from a single workstation to a fully reconfigured assembly line. The company has also designed and manufactured a winch assist to aid wheelchair users making for easier and smoother transitions to suitably adapted vehicles.

To find out more information about NSF Controls and how their products can benefit your applications, get in contact with the team by phone or email. Alternatively, visit their website to find out more about their products.

Contact
T 01535 661144
info@nsfcontrols.co.uk
www.nsfcontrols.co.uk
www.twitter.com/nsfcontrols
Design & Manufacture of bespoke assemblies

NSF Controls is a UK leading designer and manufacturer of solenoids, switches, and a specialist provider of customised electro-mechanical assembly services.

- Design and manufacture of a wide range of solenoids and switches
- In-house experts to assess project requirements and provide design for manufacture (DFM) input and guidance to achieve an appropriate solution
- CAD and 3D modelling facilities
- Product samples and prototypes
- Customised electro-mechanical assembly services

For more information call 01535 661144, email info@nsfcontrols.co.uk or visit www.nsfcontrols.co.uk

Design for a diverse range of industries and applications
Call for a Quote!
Hand protection for every possibility

Based in Nottingham and with reach around the globe, Tornado Gloves was established by Dave Bull in 2001 with the sole aim to become the leading manufacturer, innovator and supplier of hand protection.

An aim that we can safely say has been achieved. We had chance to talk with Coralie Mortimer, Marketing Manager at Tornado Gloves, and asked her why they’re so ahead of the market.

“innovation, technology and design are at the forefront of everything we do. We are the glove specialists because we don’t manufacturer anything other than gloves. Our knowledge is greater than our competitors who may also manufacturer other PPE items such as boots, clothing or eye-wear. We use many different scientific technologies that are unique to us and we invest heavily in research and product development.”

It is through this extensive research and development that Tornado Gloves truly excels. The company are constantly raising the bar in terms of materials development and levels of protection.

“Our continued evaluation of new yarns and developments in materials and coatings gives us a significant advantage over our competitors. We apply nine different dedicated technologies to produce gloves with properties suitable for specific operations and tasks.”

Their protection covers every possible industry need and requirement including: Clean Polyurethane (CPU), anti-bacterial, oil resistant, Sharp Shield with ballistic reinforcement in critical areas of the hand, soft-coat glass protection and impact and abrasion resistance with Cross-XX technologies. But this only scratches the surface of the technologies. Tornado Gloves have at their disposal.

Their flagship glove, the Aura, is a glove with an unprecedented level of protection that will satisfy an incredibly varied range of industries such as rail, waste recycling, auto and aerospace manufacturing, and the construction industries to name a few.

Containing most of the technologies listed above, the Aura has an incredible resistance to cuts and abrasions and carries the highest possible score in industry standard tests.

The future of Tornado Gloves is bright and we asked Coralie what recent changes have been made to the company and what plans the future holds.

“In the last 18 months we have refreshed our brand identity and raised our public profile with a new website, catalogue and advertising campaigns. In the last 18 months we have grown our team by over 50% allowing us to further improve our already excellent service and expand our customer base and we plan to develop our range, expand our market share and raise awareness for our brand over the coming years.”

Quick to show what they have to offer, Tornado Gloves attend trade shows regularly, relishing the chance to interact with industries in need of PPE and use these opportunities to not only exhibit their latest innovations and developments but to also ask for that all important feedback, which takes a pivotal role in the R&D of their future products.

Check out their website for the latest updates from shows they’ve attended and future shows you can meet face-to-face at, and to see the extensive range of hand protection Tornado Gloves offer.

Contact
T 0115 961 9555
technical@tornadogloves.com
www.tornadogloves.com

Ear defenders accreditation check

Under the new PPE Regulation – and with hearing protection moving to Category III – companies and officers of companies face the prospect of fines if helmet mounted ear defenders have not been properly accredited to the relevant helmet in use.

JSP’s Sonis helmet mounted ear defenders are accredited for use with JSP’s EVO helmet range and can guarantee through rigorous testing that it is the safest hearing protection solution for end users using JSP EVO range helmets.

Peaking at an SNR of 36 the Sonis helmet mounted ear defenders are designed to be compatible to work with the company’s EVO range of industrial head protection.

The Sonis helmet mounted cups can be coloured to match a company’s Pantone colour and can also be printed with a company logo for improved brand recognition.

JSP’s Sonis range of hearing protection is manufactured in JSP’s own factories in Oxford, England under ISO9001:2015 and meets EN352-3 under kitemark scheme KM662534 which indicates continual batch production quality management – a requirement for a Category III PPE product in the new 2016 Regulation that became law on 21st April 2018.

Contact
www.jspasafety.com

Save on sound meters

Pulsar instruments big trade-in offer is back – trade-in any sound meter for a brand new Pulsar Nova sound meter or Pulsar Nova Noise measurement kit and save up to 30%.

Just phone or email Pulsar and tell the company which sound meter you have. They will then offer their special Nova trade-in price.

Pulsar says that whilst there are many noise meters on the market, its Pulsar Nova sound meters are British-made, easy to use, compliant, accurate and robust.

They are suitable for most noise at work measurements and because they are fitted with a rechargeable battery offering 30+ hours of measurements they can also be used for other longer-term noise monitoring and measurement applications. They come complete with AnalyzerPlus software and a free 7 year warranty.

The special offer runs until 21st December 2018.

Contact
T 01723 518011

Industry Update is sponsored by Unisig – see them on page 5
Qimarox simplifies integration with PackML guidelines

Qimarox adopts the PackML guidelines for the integration of machines into production and packaging lines. This means that the components of Qimarox are now even easier to integrate, operate and maintain.

With PackML, the manufacturer of palletizing modules and vertical conveyors, among other things, is responding to an increasing demand from the market. Almost all major consumer product manufacturers – including Nestlé, Procter & Gamble and PepsiCo – set PackML as a prerequisite for new production and packaging lines.

‘PackML’ stands for Packaging Machine Language, a guideline drawn up by the Organization for Machine Automation and Control (OMAC).

This organisation is supported by large, globally operating manufacturers of consumer products such as Nestlé, Procter & Gamble and PepsiCo. In collaboration with system integrators, machine builders and technology suppliers, they want to create open standards for the vertical and horizontal integration of machines. ‘Horizontal integration’ refers to the interaction between the machines themselves (machine-to-machine communication), and ‘vertical integration’ to linking this with central control systems.

Qimarox’s alignment with PackML means that its palletisers, vertical conveyors and other machines are now even easier to integrate, operate and maintain. Manufacturers of consumer products using PackML as a guideline succeed in bringing new production and/or packaging lines into use three to four months earlier. They are saving the total cost of ownership (TCO) of their systems significantly as well, the overall equipment effectiveness (OEE) increases. System integrators and machine builders who incorporate Qimarox modules into their solutions also benefit from the simplified integration and acceleration of test procedures.

UK packaging solutions provider, Hazel 4D, has added smart paper, air and cardboard void fill systems to its range. The systems offer businesses an alternative to traditional plastic void fill protection, such as bubble wrap. Using the machines, companies can produce their own void fill to cushion their products in transit, whilst reducing their plastic consumption and cutting their packaging costs.

By installing a NuevopakTM machine, businesses can eradicate their use of plastic void fill and increase their packing speeds. The X-SeriesTM machines produce cushioning made of biodegradable paper and the X-FillTM machine is one of the fastest on the market, dispensing 1.7 m/second. Hazel 4D’s CushionpackTM machines come in a range of sizes and allow waste cardboard to be converted into void fill. They’re ideal for warehouses looking to reduce recycling costs, increase storage space and remove the need to buy void fill products in the future. Alternatively, businesses can protect their products with inflated air pillows and cushions made of 98% air and only 2% plastic. Locked AirTM pillows come with a choice of a degradable film or an ultra-thin film made of 35% less plastic than standard air pillow systems.

Chambers Inc Ltd

Chambers Inc Ltd will be celebrating its 10 year anniversary in October 2018. That’s 20 years of installing and troubleshooting Chamber systems in many places around the globe and the last 10 years as Chambers Inc Ltd.

Chambers Inc Ltd provides a service to its customers to maintain high standards and quality. As the UK agent for AGERGAARD GmbH, we supply parts for printing excellence, as well as parts for chamber systems that cover all the genres of the printing industry – film, foil, paper and board in sheet or web, labels, bags, cans, laminators, cardboard boxes, UV, and aqueous varnish units in offset.

The print industry is vast and very diverse, and our systems include use as a pre or end of line coating unit for digital presses. The correct seal, the correct blade, the correct anilox roller, and a chamber that is set correctly – these are the four basic principles of Chamber management.

Contact Kevin Wilkinson
M +44 (0)7849 755038
info@chambers-inc.co.uk
www.chambers-inc.co.uk to see products & view the product catalogues.
**Building Update**

**Specialists Unite**

Two leading exponents in industrial and commercial water treatment have joined forces to create a ground-breaking product for the cleaning, treatment and protection of commercial heating and cooling systems.

The patent pending DosaFil-Duo is the only device on the market to combine the safe dosing of solid or liquid chemical treatments (of any brand) into hot or cold closed recirculating water systems with constant side stream filtration and continuous air removal.

Uniquely, the unit features smart monitoring technology as standard to ensure optimal filter bag replacement. DosaFil-Duo’s standard operating pressure and temperature ranges are also unmatched in the market today. New field trials started for over 12 months, this proven technology effectively protects commercial and industrial systems from the damaging effects of corrosion, limescale and fouling, thereby optimising the energy efficiency, performance and longevity of equipment.

Steve Crick and Peter Robinson developed DosaFil-Duo in response to key concerns regarding water treatment and control in the commercial and industrial HVAC market. “With DosaFil, we’ve created a product that overcomes common water treatment issues, enabling closed commercial and industrial heating and cooling systems to be cleaned, protected and maintained in a very easy, convenient and, above all safe manner, in combination with advanced chemical treatment technologies,” explained Steve Crick, co-founder and managing director of DosaFil.

T 0345 605 0405
hello@dosafil.co.uk
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**Master Abrasives major success at MACH**

Master Abrasives major success at MACH

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**Cutting, Welding & Grinding Update**

**Master Abrasives major success at MACH**

Exhibiting the widest range of grinding and finishing products in its 50 years of trading, Master Abrasives was as busy as expected at the MACH show this year.

At the centre of their stand stood the eco 200 grinding machine by Micromatic Grinding Technologies, being exhibited for the first time in the UK. To complement this, the Master® range of grinding wheels was displayed with its updated brochure available to match the brand’s new look.

The economical eco 200 received a lot of attention being a basic but high-precision grinder which can be used for external, internal or face grinding applications. The machine was dressed with a range of the additional accessories offered by Micromatic, including the digital read-out, its small footprint and low cost combined with its ability to hold tight tolerances makes it a great economical entry model machine for tool rooms requiring precise and accurate repeatability of wheel slide within ±0.001mm.

Master Abrasives also used the show as an opportunity to announce their new agency for Alex Machine Tools, which are now available in the UK & Ireland. ALEX has developed a comprehensive range of surface grinding machines over the past 30 years, including the reciprocating hydraulically-operated surface grinders, the high-power rotary surface grinders and the precision double disk grinders. This range includes a wide variety of sophisticated elements including computer numerical controls, automatic in-process grinding and other material handling automation, depending on the customer’s need and application.

With machines for grinding and superfinishing and a full range of abrasives and measuring equipment, there was something for everyone at Master Abrasives’ stand.

sales@master-abrasives.co.uk
www.master-abrasives.co.uk

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**Bauder launches new green roof products**

Flat roof manufacturer, Bauder, has launched two new products in their green roof system. The native Wildflower blanket and substrate Sedum blanket (SB) for lightweight, extensive green roof projects. The latest additions to Bauder’s green roof product line are the Wildflower blanket (WB) and Substrate Sedum blanket (SB) for lightweight, extensive green roof projects. Whilst the new blankets still follow Bauder’s high quality standards for the environment and vegetation cover of the blanket, they now use a jute carrier. This plant fibre layer will be lighter and easier to handle.

The natural fibres in the jute matting actively encourage new roots to grow down and through the fibres. This root growth forms a network over the blanket, which improves the environmental footprint of the roof and also the breakdown completely, making the blankets 100% biodegradable.

The strong bond created by the roots growing into the fibrous strands of the jute means that the blanket requires less growing medium and thus allows the blanket to be lighter and easier to handle.

For more information on Bauder’s green roof solutions, visit the website www.bauder.co.uk/green-roofs
Harnessing the power of Colloidal Silver

Industry Update is proud to announce Nature’s Greatest Secret as our Natural Solutions Company of the Month for their outstanding high quality Colloidal Silver products, and for their dedication to customer satisfaction.

A small family-run business, Nature’s Greatest Secret formulates, manufactures, and distributes the UK and Europe’s largest range of Colloidal Silver products, including; solutions, gels, creams, lotions, soaps and other ready to use products. And all of their formulations are EU certified and rigorously tested to ensure safety.

Michael Hayward established Nature’s Greatest Secret after learning about the extensive natural healing properties of Colloidal Silver during a 5 year recovery period his wife went through in 2006. Michael turned to the benefits of the antibacterial and antifungal properties of Colloidal Silver because of testimonials he’d read regarding products based on this ingredient, and because he felt his wife needed more than what the aftercare was offering.

It’s like magic
Colloidal Silver is one of the most effective natural anti-microbial agents, and has the capability to disable over 650 types of bacteria, fungus and virus, and when used in gel form, the antibacterial qualities stay longer on the skin and therefore become more effective. Maximising the potential of Colloidal Silver, Michael decided to combine this ingredient with Coconut Oil which in itself has an incredible array of impressive and known medicinal properties, including antiviral and antifungal, and of course everyone knows its moisturising benefits.

Together in serums, gels and creams, they create the perfect mix of healing properties with the addition of leaving the skin smooth, soft and rejuvenated.

Further enhancing the properties of their products, Michael also uses a specialist French developed carrier base in the gels and creams; this allows 20% more oils to be incorporated, ensuring a much greater moisturising concentration.

More than just a business
Michael and his wife, Shelley, wish to bring the incredible benefits of Colloidal Silver to as many people as possible, and their ethical outlook on running a business means their focus will always be on producing the highest quality grade products, using the concentration of Colloidal Silver and other ingredients as is necessary to have the desired beneficial effect, whilst offering incredible customer focus and value.

Michael believes in specifically formulating individual products for individual ailments which increases the helpfulness of the product; so their effective athletes’ foot treatment for example, contains peppermint oil which is renowned for its work as a foot restorative ingredient. We had chance to talk to Michael Hayward and we asked him about his latest and greatest products.

“We’re very proud of our new Colloidal Silver Aloe Vera and Lavender Aftersun Hydrogel. It contains 92% Amber Colloidal Silver and is blended beautifully with a premium quality 10x concentrated Aloe Vera Juice that leaves a silky smooth, non-sticky film on the skin that protects the Colloidal Silver on the skin surface improving its effectiveness. It also contains high altitude essential Lavender oil, which is known to be beneficial to skin, with a fantastic fresh smell to complete the formulation. This product can be used for a wide range of bacterial and fungal skin conditions.”

Not just for humans
After feedback and research, Michael has also created a whole range of separate Colloidal Silver products aimed at the pet market. These specially formulated solutions, ranging from ear drops, to sprays for paws and gels for the skin, can help with the treatment of; inflammation, skin wounds, fever, eye infections, burns, ringworms, parasites, digestive disorders and even yeast infections. So now even your pets can benefit from the incredible power of Colloidal Silver.

Michael’s customers are very vocal (positively of course) regarding the results Colloidal Silver products achieve, and this can be seen on their website, through amazon who retails their products and ekomi.co.uk; a specialist review site. The response is a resounding love for the products Michael and his team have formulated; and the amount of repeat custom the company sees month-on-month reiterates the beneficial properties of the products on offer at Nature’s Greatest Secret.

Nature’s Greatest Secret’s dedication to their customers is second to none and if you’re in need of advice for a particular skin ailment, call or email today for expert advice and recommendations, or visit the website below to see the extensive product range.

T 01892 457360
michael@colloidalsilverplus.co.uk
www.naturesgreatestsecret.co.uk

Plastics & Rubbers Update

3M BIC unveils new advanced technologies

The 3M Buckley Innovation Centre (3M BIC) in Huddersfield now provides a holistic approach to product development, allowing businesses to design, make and measure products through new technology such as metal additive manufacture (MAM), imaging and microscopy.

New equipment includes, two selective laser melting (SLM) systems that can print in stainless steel (316L) and titanium, as well as advanced in-process monitoring abilities to view and analyse a build for consistency or anomalies in real-time.

Its new Zeiss Imaging Suite boasts microscopes for biological studies and part investigations such as surface roughness and topography characterisation, as well as its KeyCT for the precise measurement of internal and external features and identifying anomalies in products.

Michael Wilson, 3M BIC general manager and HIIP director, said; “We now offer the whole package, from prototyping in plastics and metals to correcting imperfections in products. Businesses can ensure new products are cutting edge and safe before embarking on large scale production.”

The new equipment is part of investment through the Huddersfield Innovation and Incubation Project (HIIP), a £2.1m grant from the Leeds City Region Enterprise Partnership (LEP) Growth Deal – a £1bn package of government investment to accelerate growth and create jobs across Leeds City Region.

Contact T 01484 505601
info@bmbic.com
www.bmbic.com
IPC Electronics: Manufacturers of high-quality physics laboratory equipment

IPC Electronics produce high-quality physics Laboratory equipment that is supplied to the education and industrial industries. The company have over 25 years’ experience in the electronic equipment industry, championing their ability to design, develop and manufacture a range of experimentation equipment to keep in-line with current curriculum requirements. Since their establishment in the 1980s, the company have been committed to producing first-rate equipment that benefits both schools and industrial businesses, reinforcing their belief that proper experimentation leads to outstanding results.

Their range of products include: power supplies, optical equipment, digital meters, lasers, part suppliers and much more. In a recent interview with IPC’s Director, Dickon Knight, Dickon told us that the company are constantly developing their products to keep up-to-date with curriculum changes. Because of this, the company have manufactured their own Ripple Tank and Ruben’s Tube.

The Ripple Tank has been developed to help students understand the basic properties of waves to help them pass their Physics GCSE examination. The tank allows teachers to show their students how plane and circular waves are produced and to demonstrate water reflection and refraction. Similarly, the company’s Ruben’s Tube is useful in displaying acoustic standing waves in a tube. The device shows the relationship between sound pressure and sound waves, and is used as a common demonstration tool in many Physics classrooms.

Dickon also informed us that the company recently showcased their Ripple Tank and Ruben’s Tube apparatus at the Bett show in January. Guests enjoyed participating in the company’s Ripple Tank psychic’s demonstration, and began to understand the necessity of experimentation in education.

Such a commendation was also bestowed on the company’s Ruben’s Tube demo, which allowed visitors to visualise the concept of standing waves and appreciate the apparatuses usefulness within a classroom.

At the event, IPC also exhibited their range of timers and counters, which are useful in a variety of experiments on the physics syllabus. The company’s Timer Scalar & Frequency Meter is suitable for a number of radioactivity experiments, including experimentation into background radiation and investigation of absorption coefficients. Furthermore, the company’s variety of optical equipment was also mentioned. The equipment was shown to be valuable in measuring speed and frequency rates and in the demonstration of persistence of vision.

One of the company’s popular optical equipment products, the Xenon Stroboscope, was heralded for its durable metal case and strengthening powder coat finish.

The stroboscope has a variety of additional applications, including high accuracy, vibration modes and a digital readout of selected flash rates (IPC -2816-L).

If you would like to get in touch with IPC Electronics, they can be contacted on the number listed below. However, if you’d like to view a large selection of their physics laboratory equipment, feel free to visit their website.

T +44 (0)1539 558555
www.ipcel.co.uk

IPC Electronics produce high-quality physics Laboratory equipment that is supplied to the education and industrial industries.

Surface Finishing Update

Protect your components with Curtiss Wright Surface Technologies

As a subsidiary of Curtiss Wright, Curtiss Wright Surface Technologies has a rich and long history behind them. With a global network of over 70 operating divisions, they are able to supply their exemplary services to SME’s in a wide range of major industries, such as aerospace, automotive, oil & gas, subsea, medical, power generation and more.

Their innovative surface treatment solutions encompass Controlled Shot and Laser Shock Peening, Engineered coatings, Thermal Spray Coatings and Parylene Coatings for silicone, plastics and electronic components. They ensure that by working closely with customers from the design stage through to manufacturing, they can provide a One Stop Solution for material treatments. These can be applied to new manufactured parts and also repair and overhaul (including site work).

There are a number of factors that can cause premature failure and poor performance of metals and materials which is why the services and processes Curtiss Wright Surface Technologies provide are vital. In the life extension of critical components, Machining, heat treatment, forging bending and rolling of metals can induce unwanted stresses and associated problems which can be eliminated by some of the services Curtiss Wright Surface Technologies offer.

Component repair is just one of Curtiss Wright Surface Technologies’ many specialties. Their diffusion and sacrificial coatings can be applied to a wide array of components, including compressor blades, valve tips, turbine blades, intake nozzles and more.

Throughout 2016, Curtiss Wright Surface Technologies expanded into the steam gas turbine repair and overhaul industries. They also successfully acquired Component Coating and Repair Services (CCRS) and expanded their portfolio to include yet many more processes.

Last year, they attended the Advanced Engineering show at the NEC, Birmingham, where they demonstrated their surface treatment solutions and range of services. Attending alongside hundreds of other industry peers, Curtiss Wright Surface Technologies were able to stand out thanks to their One Stop Shop service and wide variety of processes.

They impressed new visitors to the stand and also welcomed existing customers thanks to their consistent and ongoing expansion of new services and technologies.

Curtiss Wright Surface Technologies metal improvement and component coating facilities use state of the art robotics equipment which has been designed and manufactured in-house specifically for our customers’ work. They keep in the forefront of new materials and technology by maintaining strong links with industry associations and being actively involved in research and development projects.

If you would like to find out more about Curtiss Wright Surface Technologies and how they can benefit you and your components and materials, then be sure to get in touch with the company today using the number provided below. Alternatively, more information can be found by visiting their website, where you can find more on their many services.

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

When it comes to surface treatments, Curtiss Wright Surface Technologies can be relied upon for their one stop shop solutions and dedication to excellent customer service.

First set up back in 1939, the company who are a subsidiary of the Curtiss Wright Corporation specialises in providing surface treatments with the aim of enhancing the performance of critical materials and components. These treatments can be used in preventing premature failures and increasing the life of a huge range of components used in anything from a jet engine to a wind turbine.

Used in a range of industries the world-over, Curtiss Wright Surface Technologies can provide material surface treatments, protective coatings, high tech processes and much more. One of the biggest concerns for manufacturers, designers and buyers of critical components is premature failure as a result of fatigue, corrosion, stress corrosion cracking, fretting, friction, galling and environmental and thermal stresses.
Another knockout year for CTS Europe

CTS Europe was established in 2010 by Sean Codling, specialising in designing, installing, commissioning, and providing training for all of their laboratory enclosure systems. From their factory in Portsmouth, CTS manufacture high level performance equipment, producing mobile bench mounted laboratory fume hood cabinets and other safety containment systems. These enclosures allow lab technicians to carry out their work in the safest and most secure way possible, with CTS systems also capable of being made bespoke in accordance to client needs.

We spoke to founder Sean about who their systems may benefit, to which he explained, “We have a robust network of experienced suppliers and service engineers throughout the world, allowing us to work with clients from all over the UK, Europe, Asia, the USA, Africa and Australia. We supply our products throughout the Pharmaceutical and General Laboratory industry, primarily to Laboratory Managers and Hygienists.”

Enclosure systems are used to provide safe handling environments for the manipulation of potent drug compounds, whilst also providing climatically controlled enclosure systems, allowing for highly sensitive reactions to take place. Hence, these safe and controlled enclosures are incredibly important to a number of critical laboratory processes. CTS’s wide range of products includes powder weighing enclosures, instrument enclosures, ventilated laboratory cabinets, isolator systems, and temperature and humidity controlled cabinets.

Their enclosure systems are made using years’ worth of design expertise, with all of their in-house engineers being Solidworks™ CAD certified professionals. Better yet, for those customers seeking tailor made solutions, CTS can also provide 3D visualisations of any safety laboratory system with their equipment or process incorporated before it is made, drastically cutting down on lead times and costs on all sides. In addition to manufacturing some of the world’s most renowned enclosure systems, CTS also offer a comprehensive and thorough installation and commission service.

Besides manufacturing, CTS’ consultancy service aims to provide clients with a fully coordinated approach for their needs, bringing together engineering, containment and service providers to offer the most complete and reliable containment solution. Not only that, but CTS have an after sales support service, providing preventative maintenance and support if needed.

One of the most lauded and impressive products from CTS includes the Lab Bubble™, an innovative benchtop laboratory fume hood that offers versatility, cost-effectiveness, and smart design. Despite its compact size, it performs as well as the typical larger build containment systems and is in line with current European Fume Hood performance standards. There are a number of great advantages to opting for a Lab Bubble™. On top of saving space, it requires minimal maintenance, is easy to install, is built to be user friendly & comes in 4 different models.

The Lab Bubbles are seeing success across the world, with new business emerging in Thailand and Vietnam. CTS have seen considerable success over the past 12 months in particular, with Sean stating, “Year upon year we are experiencing over 15% growth, and that is no different for 2017 to 2018. The majority of our sales come from the UK and Ireland, Germany and France, with our presence in America growing as we build sales too. Forecast wise, we are consistently hitting all of our targets and hence have been able to invest much more into the company. In order to keep up with our skyrocketing demands and improve our lead times, we are currently in the process of setting up another facility in Portsmouth, with the new factory being 9,000ft², and set to open in 2019.”

In order to connect with the industry at large and showcase their unique systems, CTS attend a number of tradeshows throughout the year. They recently attended Analytica in April and are set to attend the upcoming Lab Innovations Expo in November at the NEC. If you would like to find out more about CTS, be sure to get in contact using the information below, or head over to websites below for more information.

Contact
T +44 (0)2392 695521
www.lab-bubble.com
www.containment-technology.co.uk

Sean explained, "The 4 models allow operators a completely safe and sealed way to approach numerous different processes. Our Safety Bubble model is ideal for operators handling dangerous chemicals, whilst the Glove Bubble is perfect for sealed environments and sensitive samples. It features gas inlet and outlet ports, meaning users can create the specific gas conditions needed, as well as a transfer hatch that allows for entry and exit within the bubble without disrupting the atmosphere.

“The PCR Clean Air Bubble is most commonly used for handling PCR reagents, with the system operating as a positive pressure HEPA filtered system to provide an ISO Class 5 clean air blanket around the sample preparation area. The PCR Still Air Bubble on the other hand was made with contamination in mind, allowing users to handle samples and reagents without affecting the inner environment. The best thing about the Lab Bubble is that it can be made bespoke in accordance with our client needs. We also provide pre-tested and pre-validated documentation for each individual system with every purchase.”

The Lab Bubbles are seeing success across the world, with new business emerging in Thailand and Vietnam. CTS have seen considerable success...
GEBHARDT brings the StoreBiter® OLS 3D into a new dimension: The shuttle no longer only runs through aisles, but also on connecting routes between the aisles. Conveyor lines on the shelves are no longer necessary and the containers and boxes are transported from the rack much more flexibly to the order picking stations. This has the advantage that it can take containers, trays and boxes weighing up to 50kg directly from the shelf or via vertical conveyors to the workstations in the pre-zone.

Compared to classic automatic small parts storage, it enables a significantly higher storage and retrieval performance even across several shelving levels, as well as better sequencing. Operators can easily access the system with small wireless handheld devices, and the shuttle system can be divided into several modules, depending on the storage height. This allows the storage system to be flexibly extended as required and it can be implemented in existing warehouses.

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The NFPC is the UK’s flag-ship Centre for the provision of specialist training involving hydraulics (mobile and industrial), electro-pneumatics and applied electronics and control.

We have possible the best practical facilities in Europe and we are the approved training provider for such major international companies as: Bosch Rexroth, Parker Hannifin, Eaton Technology, Eaton, Sun Hydraulics, Shell UK, SMC and many more.

The Centre has 10 Systems Training Engineers all from UK Industry with a wealth of knowledge and experience to support you when attending the UK’s National Centre. Visit our website: www.nfpc.co.uk. You can book and pay online as well as use our free of charge online self-assessment process to help guide you on to the most effective course.

The NFPC also offers Competence Based Qualifications and we are the only Approved CETOP Educational Centre in the UK offering these at levels 1, 2 and 3.

Beyond our extensive range of short courses, we also offer bespoke training designed to meet your specific needs.

If you would like to visit or discuss in detail your training needs, contact John Savage by email jsavage@nfpc.co.uk or phone 01909 504709

On the 20th February 2019, the NFPC will be holding its 7th Industry Exhibition. Free to attend (Post Code S81 7HP). They anticipate at least 80 National and International companies will be exhibiting, and will also be offering 4 Technical Lectures for visitors.

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National Fluid Power Centre

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ASHE Converting Equipment – The experts in converting Machinery

Converting Equipment Manufacturer & Supplier Company of the Month

ASHE Converting Equipment is proud to announce this month’s Converting Equipment Manufacturer & Supplier Company of the Month as ASHE Converting Equipment for their outstanding services in the converting industry – producing industry leading and bespoke slitter rewinders, unwinders, rewinders and associated converting equipment for the UK and worldwide markets.

Regarded by the printing and packaging sector as a world-class designer, producer and supplier of quality slitter rewinders, unwinders, rewinders and associated converting equipment, ASHE Converting Equipment – a truly family run business – was established in 1976 by John Godbold (Managing Director). With headquarters in Ipswich, UK, ASHE Converting Equipment have opened subsidiary offices within the UK and China to enable smoother operation and a farther reach across the globe.

Originally established as a supplier of DC drive control systems – which at the time were being installed on slitting and rewinding machines all over the world – John decided in 1988 to venture in producing slitting and rewinding machinery using their existing extensive knowledge of the machinery’s drive control systems – and has been supplying solutions to companies globally now for nearly 30 years.

ASHE Converting Equipment is now one of the UK’s leading specialists in web handling technology, and manufactures a complete range of slitting and rewinding machinery from widths of 300mm up to a maximum of 8.7m. Their range also includes: slitter rewinders, unwinders and rewinders, trim, winders, automatic winders, core cutters and more. They command a strong and skilled workforce full of experienced professionals that are experts at putting together unsualled converting equipment.

ASHE Converting Equipment champions its flexible approach to meeting the demands of their various customers, who can range from tape manufacturers to flexible packaging industries. They specialise in taking their time to listen to their clients requirements, to better understand their customers existing production techniques and methods to help offer the right converting equipment that suits their needs. Their machines can also be built bespoke to the customers’ specifications. ASHE Converting Equipment ensures to build the best possible product that matches with the clients’ needs and fit in with their individual system. They work closely with the customer to get to grips with their current production techniques and methods and then supply the perfect product for their needs.

We had the opportunity to speak with Matthew Godbold, the Sales Director at ASHE Converting Equipment, and asked what it is that elevates ASHE Converting Equipment above the competition and what the future may hold.

“Our plant in Ipswich is equipped with an array of machine tools, where up to 80% of machine parts are manufactured in house. This gives us huge flexibility in the range that we are able to build, and also being able to engineer a machine to suit what the customer wants. It also enables us to guarantee precision of parts that are going onto the machine. Our machines include certain features which make them unique in the industry. Along with this, we can supply automatics to give our customers key benefits for changepieces and make ready times and highly productive machinery for maximum outputs.”

“This year we have completed a 12,000sq ft expansion onto our company. This is to accommodate additional capacity and floor space for additional machine builds. Machine parts are manufactured in house for certain standard models and further development in this area will ensure that over 1,100 machines can be fully supported, without third party manufacturers making items ‘obsolete’. To go along with our expansion, we are also investing in a new CNC milling machine. This will allow our engineered drawings to be sent straight to the machine, which will then create side frames and other key metalwork for our machines.”

For more detailed information on the innovative machinery ASHE Converting Equipment produce and supply visit their website below, or alternatively get in touch with the professional and friendly team who’ll happily discuss your needs using the following details.

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www.ashe.co.uk

Retail Solutions Company of the Month

WINTEC – Smart POS, Smarter Business

Retail Industry Update is proud to announce Wintec as the recipient of our Retail Solutions Company of the Month for their innovative Electronic Point of Sale solutions – designed and manufactured to be robust, versatile, reliable and competitively priced.

Wintec, the leading giant EPoS and SCA manufacturer, is one of the top 5 (according to RBR global report) POS solutions for the retail, hospitality, entertainment and medical industries internationally. Established in Qingdao China by three friends Yin Jianguo, Lu Meixu and Li Xu Dong in 2004, Wintec has risen to be one of the global manufacturers of innovative and market leading EPoS solutions, designed to adapt to the user’s needs. In 2014 Wintec decided to open a European branch and chose the UK to do so. Based in Hemel, Hemstead, it represents the hub to all of their European partners.

The UK branch is focused on configuring and distributing these products via partners all over Europe with one goal in mind: to provide fast and efficient support and service to their European partners for the firm’s entire range. From front of house EPoS-standalone devices to self-service machines, all the way through to portable devices for ease and convenience. Every one of Wintec’s solutions are built to surpass expectations whilst providing a solution.

We had the chance to speak to Mothe Nahari, General Manager of Wintec UK, to discuss their operations, and we asked what he believes makes Wintec UK above the competition. “We specialise in innovative and reliable EPoS and self-service hardware and offer high quality products through a wide variety of solutions. Our systems are built mostly from high quality aluminium rather than plastic, creating a more robust product. We supply our products direct to software developers and small retailers and our products can be seen in the retail, hospitality, entertainment and medical industries.

Anyone can sell EPoS but we are here to develop business relationships – we don’t have customers, we have partners. We focus on tailoring the best solutions for each of our partners in order for them to be able to offer the best service to their customers. We aim to get to know our partners’ needs before they place their first order and we are always there in case they need our support and assistance.”

The SP60 (SelfPos60) series self-checkout solution is Wintec’s latest product, designed to be durable and reliable while containing all the features needed from a self-checkout solution. With its generous 21.5” TFT full HD capacitive touch screen and stereo speakers, the device is clear on all levels of its uses, whilst the specifications which include a quad-core processor and SSD hard-drive ensure fluid and smooth operation. The SP60 can also be wall mounted to save space or if needed a stand can be used, allowing the use of the optional security scale for weight verification.

Wintec manufactures and supplies the complete range of EPoS solutions for any need and the extensive range on offer is far too vast to be contained within this article. From portable solutions, to all in one standalone units, through to self-service models - whatever the needs, Wintec will have the solution.

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