WPS installs ParkAdvance™ at Portsmouth City Centre Car Park

WPS, one of the UK’s leading parking systems providers, has installed its ParkAdvance™ Pay-on-Foot parking technology at Cascades Shopping Centre in Portsmouth city centre.

The shopping centre was looking to upgrade the existing system to further enhance the customer experience, and to take advantage of an IP-based system that could be more easily updated to incorporate new functionality as and when it becomes available and required.

“Parking is no longer considered a simple provision,” says Andrew Philip, Centre Manager at Cascades Shopping Centre, “but rather the first vital touch point in the customer journey.

“In a competitive tender, we were convinced by the ParkAdvance system because it is future proof – an investment that we can make now and know is a good choice for many years to come. Options to adapt the system to include loyalty programmes, social media promotion, and payment options are limitless.” Simon Jarvis, Managing Director of WPS in the UK, adds that ParkAdvance is ideally suited to shopping centre environments, “It provides an enhanced, user-friendly customer experience in terms of its reliability and intuitive interface. It also provides customers with the flexibility to shop for as long as they need to without the fear of returning to a parking fine.”

T 0845 094 1543
sales@wps-uk.com
www.wpsparkingsolutions.com

New product innovations from NSF Controls

Wheelchair winch assist for Wheelchair Accessible Vehicles (WAV)

Non-sequential one-stop control gives vast tonal flexibility for electric guitars

Shut-off valve solution for smart meter manufacturers

+44 (0)1535 661144
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Driving change in parking management technology

The ParkAdvance™ Pay-on-Foot solution is an innovative step forward in Parking Management. Our leading-edge IP-based architecture delivers unprecedented levels of direct interconnectivity and functionality coupled with WPS’ renowned system reliability. Helping to provide a great customer experience while maximising your revenues and minimising your operating costs.

Find out more at www.wpsparkingsolutions.com, call 0845 094 1543 or email sales@wps-uk.com
Jubilee Clips launches new and improved High Torque range

Jubilee Clips has introduced a new and improved range of Lloyd’s Register approved high Torque heavy duty hose clips, now made in their factory in Gillingham, England.

The company has received Lloyd’s Register approval for this range of heavy duty clips for marine, offshore and industrial use on flexible hoses; essential for insurance purposes when used in the marine and offshore sectors.

Jubilee Clips, whose founder invented the worm drive hose clip in 1921, has made significant improvements to the standard High Torque hose clamp design, including rolled edges of the banding to ensure softer hoses are not damaged and improved riveting of the housing for extra strength of the clip.

High Torque clips made by Jubilee are now offered with the band, housing components and screw all made of 304 stainless steel, solving the potential problem of corrosion with mixed material found in other high-torque clips on the market.

Superior tightening torque Jubilee’s High Torque clips are made with a two-part housing and cut through band, keeping the band straight at the point of engagement and fully engaging all of the screw thread, giving a superior tightening torque. They are ideal for where a high clamping force is required and with a flexible band material they can achieve a high level of friction even against a smooth surface such as a metal pole or lamp post.

High Torque Clips from Jubilee are suitable for heavy duty applications with plastic or reinforced hoses and are the only type of hose clip approved for use on reinforced hoses by Lloyd’s Register. The high clamping forces make this clip suitable for heavy duty applications where tubing leakage or vibration issues make other clips and clamps unsuitable.

With a wide clamping range compared to alternative heavy-duty clamps, stock requirements for both distributors and end users are greatly reduced. The flexible band also offers better sealing at lower torques than nut and bolt style heavy duty clamps, which, combined with weight saving benefits, make Jubilee High Torque Clips a versatile and superior heavy-duty clamp.

T 01634 281200
www.jubileeclips.co.uk

MaxiFlow 30-C

Introducing the MaxiFlow 30-C Nitrogen Generator: the latest offering in its high-spec equipment portfolio.

MaxiFlow 30-C is a medium flow, medium purity Nitrogen generating system, with an integrated air compressor, making it an all-in-one ‘plug & play’ option. Perfect for areas where space is limited, but reliability is crucial.

Designed to deliver flow rates of nitrogen from 15 to 300/min, this generator is able to transform compressed air from its integrated compressor into 99.99% Nitrogen, eliminating cylinders from the workplace and offering a consistent and dependable alternative.

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

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

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Swivel Joints from Rotaflow

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Motor inverter added to portfolio

Dut Dosiertechnik, a supplier of pumping solutions, has expanded the DOSEURO product range it offers. Included is the RAPIDA motor inverter which offers users an easy way to vary the flow rate of the pump range.

Motor frequency of the RAPIDA system can be varied between 5 and 60Hz to give a proportional flow rate of between 10 and 100% of pump capacity. The frequency can be set either locally at the motor via an easy to use integrated LCD or remotely using a 4-20mA signal. The local display can be set to show motor frequency in either Hz or %.

Alongside easy adjustment of flow rate, the RAPIDA motor inverter has additional features that help keep processes running smoothly, including the ability to connect a level sensor to automatically stop the pump when a defined level is reached; a local alarm display for overvoltage, under voltage, temperature, over load and under load, and a relay output for remote alarming purposes.

A diaphragm rupture detector is also available for use with 5D type pumps. This will automatically stop the pump in case of diaphragm failure and send an alarm to the operator. The motor offers further application versatility as it can be programmed to operate in a batch control mode so that the pump operates only for a certain period of time, configurable between 1 and 9,999 minutes.

The RAPIDA motor inverter system is available with SR type A, D, BR and SD DOSEURO pumps. The unit can also be easily retrofitted on site for existing pump installations. The unit offers real benefit and versatility for use in many different applications and is a welcome addition to the DUT Dosiertechnik solutions portfolio.

mail@dt.info
www.dut.info/en/home.html

Oil-flooded rotary screw range

Ingersoll Rand has introduced its Next Generation R-Series oil-flooded rotary screw air compressors that provide an energy-efficient solution for customers with high capacity air requirements.

The R200 to R250 models are available with new single-stage airend, or two-stage airend that increases airflow by up to 16%. The company says the new fixed-speed models are 10% more efficient compared to legacy products and that the variable speed option is up to 35% more efficient compared to the industry average.

Eric Seidel, vice president of product management for compression technologies and services at Ingersoll Rand, explains, “The ability for these compressors to deliver outstanding efficiency—without compromising reliability makes the increasing demands of industries to increase productivity while reducing energy use.

“Our R-Series RS200 to R250 models help customers increase overall system reliability and decrease total cost of ownership with new features and performance enhancements that save them tens of thousands of Euros.”

T 01204 479500

Turbine flow meters stainless steel flange mount

New from OMEGA the FTB700-S Series turbine meters that have a unique system of precisely-machined helical rotors and high-quality jewel bearings.

The rotor is the only moving part. Small magnets on the rotor hub are electronically detected by a solid-state hall-effect sensor outside the wetted area. The turbine rotor uses journal-type sapphire and ruby bearings for minimum friction and maximum life. These bearings are ideal for long life in water and water based fluids and they have exceptional low-flow characteristics.

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

OMEGA also provides customers with a complete line of data acquisition, electric heating and custom engineered products.

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Register approval for this range of heavy duty clips for marine, offshore and industrial use on flexible hoses; essential for insurance purposes when used in the marine and offshore sectors.

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www.jubileeclips.co.uk

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F +44 (0)161 777 6622
sales@omega.co.uk
www.omega.co.uk/pptst/FTB700-5.html

To find out more visit our website at: www.omega.co.uk
One source for asset protection solutions

A

s one of the world’s largest suppliers of integrity and inspection services, MISTRAS Group specialises in providing innovative asset integrity solutions using enhanced services that include asset monitoring, engineering services, advanced and conventional NDT.

It was first established back in 1983 as Physical Acoustics Ltd. Following the name change of its parent company – MISTRAS Group Inc – the company rebranded as MISTRAS Group in 2008 and aimed to fulfill the needs of those within the Oil & Gas, infrastructure, wind energy, refinery & petrochemical and steel industry sectors.

Over the years the company grew significantly, expanding their processes and establishing five sites across the UK including its original base in Cambridge, and four other facilities in Bridgend South Wales, Rotherham, Hartspool and Aberdeen.

The past year especially has been extremely successful for MISTRAS Group, having experienced significant growth and expansion. UK Marketing Manager, Peter Hurn told us more. “What has made us successful in the past 12 months,” he said, “is our deep understanding of the technologies we use. It’s a strength that arises from our own product base and extensive research and development, enabling us to match the best technologies to the problem being addressed. We see our biggest challenge is developing the capacity to match the opportunity.

“Our sales over the year have soared, with the UK division currently hitting £20 million and climbing. There is also a strategy in place to double this by 2020. We have invested in our operations and delivery staff, are developing our marketing department and have appointed a new Delivery Director – Ken Bruce, who will be an asset to the team.

“Our rapid expansion is mostly due to our industry leading products and technologies, along with our 24/7 online critical asset monitoring, mechanical integrity (MI) and non-destructive testing (NDT) services. This, along with our proprietry world class data warehousing & analysis software, enables us to effectively provide comprehensive and competitive products, systems and services solutions from a single source provider.”

The MISTRAS service offering is incredibly varied. Its activities cover everything from advanced & traditional forms of NDT, structural monitoring and tube inspection to confined space & rescue and rope access training. Other areas of interest include asset integrity & RBI services, project consultancy, specialist plant maintenance and the provision of NDT products & systems and data management software.

A particularly notable unit for leak detection applications is the VPAC™ TECHNOLOGY. Valve leak detection has undergone a permanent change such that cost effective and innovative solutions are the key to long term sustainability,” Peter concluded. “MISTRAS are now in prime position to be a preferred supplier in providing inspection and integrity services to many of the world’s largest oil companies.

“We are keen to keep delivering a high standard of Asset protection solutions to the Wind Energy Infrastructure, Oil and Gas sectors. Our aim is to streamline our sales and delivery process whilst maintaining the title of being a world leader in Asset protection solutions. We feel it’s a sign of greater things to come for MISTRAS and its team!”

For more information about MISTRAS and any of its dedicated services or products please contact the group using the details provided.

Contact
T +44 (0)1954 231612
info@mistrasgroup.co.uk
www.mistrasgroup.co.uk

L-R: Jon Watson, Infrastructure Inspection and Monitoring, Mark Wilkins, Finance Director, Tim Walsh, Managing Director, Ken Bruce, Delivery Director & Mehdi Batel, VP EMEA Operations at Mistras Group
Revitalising industries with leading polymer technology

Low and Bonar have received our Editor Recommends profile for their unmatchable manufacturing capabilities. Low and Bonar have been specially selected for their comprehensive engineering services which have seen them grow year upon year to become the internationally recognised brand they are today. The company manufactures a range of building products as well as components which are used to enhance the performance of clients’ products. These components can do anything from reducing total cost of ownership, improving safety to minimizing carbon footprint. Using their own cutting edge technology, Low and Bonar can engineer a variety of polymers to create fibres, yarns, industrial and coated fabrics, geotextiles or geosynthetics and other performance materials.

Low and Bonar have garnered a global reputation for innovation, and prioritize client and market needs when coming up with new ideas for the future. They ensure their products promote sustainability as well as increased functionality and greater efficiencies. They have multiple manufacturing plants across the world, including Europe, North America, the Middle East and China.

They source polymers such as polypropylene, polyethylene and polyester and combine them with special additives. These mixes are then extruded and used to create different types of yarns. The yarns then go on to become fabrics, which can be combined with other materials to form composite products that deliver a range of beneficial features. The fabrics are highly sought after across the world.

Low and Bonar is selling globally to multiple industries. This includes Coated Technical Textiles which make up the majority, 32%, of Low and Bonar’s revenue. The processing industries seek out Low and Bonar for their fabrics that are used to produce tarpaulins, stadium roofs, boats, biogas containers and much more. Their next largest client industry is Interiors and Transportation, which makes use of Low and Bonar’s nonwovens for flooring products, moulded car carpets, and anything from hood liners to trunk liners and door panels.

Other client industries include Building and Industry, where polymer technology is used to produce roll-goods, which help clients meet environmental regulations, promoting sustainable technologies, and more. Civil Engineering is another leading client industry, as polymer-based geotextiles and geosynthetics are frequently used in infrastructure projects involving road, rail buildings, land reclamation, coastal defence, etc. Low and Bonar’s geotextiles and geosynthetics are used for membrane protection in landfills, erosion control on riverbanks, drainage, soil reinforcement, soil consolidation and other environmental purposes. The company is also renowned for its concrete reinforcement solutions for a wide range of building, tunneling, marine and coastal applications as well as precast concrete.

If you are seeking industry leading fabrics and fibres for use in your systems, then be sure to get in contact with Low and Bonar today. To find out more information about how their technologies can benefit you, then be sure to visit the website detailed below.

T 01482 379218
www.lowandbonar.com
UK agent appointed

Master Abrasives has appointed to represent Superfinish Innovation AG, a division of Thielenhaus Technologies, as its agent in the UK & Ireland. The company’s super-finishing devices, working with tapes or stones, are offered for high-precision applications. The superfinishing process is used in automotive, aerospace and many other markets for improved surface quality of components. Benefits claimed include reduced workpiece wear, increased percentage contact area, improved energy efficiency and savings in workplace material and weight.

Laser Lines now UK reseller for Desktop Metal

Laser Lines is now selling and supporting the Desktop Metal range of products available from Laser Lines should get in touch. For those that are producing parts or are prototyping, its machines are fast, great value and often the first point of call for customer who want to find out more about the realities of installing a system for manufacturing, rapid prototyping or reverse engineering. Customers wanting to find out more about the Desktop Metal range of products available from Laser Lines should get in touch.

Impra® – Superior products for timber!

Impra® is a total solutions provider of 3D printers, 3D scanners and laser equipment, has announced that it has become a UK reseller of Desktop Metal’s range of metal 3D printing systems.

Mark Tytania, sales director at Laser Lines, says, “We are thrilled to have signed Desktop Metal as a supplier. It is a dynamic company to work with as it is rewriting the rule book in terms of possibilities for metal 3D printing. For those that are producing parts or are prototyping, its machines are fast, great value and use a wide range of materials. Its printing process of Bond Metal Deposition (BMD) is similar to Stratasys’ SLM technology, which we have been selling for over 20 years, so it is a technology that we are familiar with. Within the metal printing arena, it offers exciting, new opportunities for our market.”

Laser Lines is now selling and supporting the Desktop Metal Production series since it became available at the end of 2017, and will do the same with the Studio series when it is released in 2018. Mark Tytania continues, “The Desktop Metal series offers amazing functionality and great value. Companies can now have a complete solution of 3D printing machine and sintering unit that can be used with a huge variety of materials. The Desktop Metal Studio system is perfect for engineers looking for an in-house unit suitable for prototyping and creating sample parts.”

Building, Landscaping & External Works Update

We are proud to announce our exclusive partnership with impra® to supply the impra®lan exterior joinery range in the UK. As the UK’s premier independent supplier of professional and technically advanced wood finishes and metal coatings, in the UK, we have been chosen by impra® to be its exclusive partner for the professional impra®lan range.

impra® wood coatings is the German brand of high quality surface coating systems and timber impregnation protection from RÜTGERS Organics GmbH. Established over 140 years ago, it has become a market leader through continual research and innovation. impra®lan is its professional range of water-based coatings for external timber.

James Nuttall, Symphony Coatings Group Purchasing Manager, said, “We have been selling impra® wood coatings in several of our depots for many years; extensive testing and feedback from customers has shown the range to have excellent performance in even the most challenging of environments. Through our partnership with impra®, we have been able to expand our capability and supply the market leading range from all of our 10 depots across the country, with full local colour matching and next day delivery.”

Dr Manfred Oberreiter, impra® European Sales Director, said, “Following our great success with the range in Germany and Europe we are very pleased to be in partnership with Symphony Coatings to supply our impra®lan range in the UK. Sympholy is able to provide full national coverage with rapid colour matching and full technical support to our many customers.”

To find out more about & take advantage of impra®’s new opportunities for our market.”

Installing a system for manufacturing, rapid prototyping or reverse engineering.

EE Ingleton has completed further projects using its new PicPerf® image perforation system. Anodised aluminium panels were manufactured for Thames Architectural & installed in Berkeley Homes Victory Pier development in Gillingham, as well as for ambulance bay screen panels at London’s University College Hospital.

Both projects called for very high open area panels to meet ventilation requirements, whilst retaining striking images and patterns. The Victory Pier panels feature seven waterbirds, whilst the UCH installation was based on the architect’s ‘funky trees’ concept. The PicPerf® system has been used for various prestigious projects including Debenham’s flagship Oxford Street store for Diane Architectural and Kingston upon Thames Riverside development for Cadisch MDA.

Expert wood knowledge, contact Symphony Coatings on 0800 840 8201 or visit: www.symphonycoatings.co.uk

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T 0114 275 7834

Sample parts.

Laser Lines now UK reseller for Desktop Metal

Through continual research and innovation. impra®lan is its professional range of water-based coatings for external timber.

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The system has an extremely compact footprint and a build area of 300 x 200 x 200mm. It can print 1.6cm³/hr and has a layer height of 50μm. With dual, quick-release print heads and hot swappable cartridges, it has an automated sintering furnace.

Laser Lines has over 20 years’ experience in the 3D printing and scanning sector, so is often the first point of call for customer who want to find out more about the realities of installing a system for manufacturing, rapid prototyping or reverse engineering. Customers wanting to find out more about the Desktop Metal range of products available from Laser Lines should get in touch.

T +44 (0)1295 672599

www.laserlines.co.uk

www.3dprinting.co.uk
**Four Oaks Trade Show Review Top 20**

Welcome to Four Oaks Trade Show

Four Oaks is a commercial horticultural show now in its 48th year. The venue is a 23 acre nursery site in Cheshire UK, close to the Jodrell Bank Radio Telescope. The exhibition, held last year from 5-6 September 2017, covers an area of 37,000m² under glass with additional outdoor areas. The glasshouse venue has a relaxed and informal atmosphere well suited to the event and the industry. It is cost-effective and user friendly with none of the restrictions of the purpose built exhibition halls.

Plants are the most prominent feature of the show, accounting for over 50% of exhibiting companies, with associated supplies & services from production to point-of-sale. Exhibits will include a wide range of glasshouse equipment and machinery from seeders and handling equipment to fully automated transplanting systems.

Overseas exhibitor numbers last year exceeded 40% of the total. The visitor profile, which is truly international, includes commercial growers, garden centres and retailers, farm shops, local authorities, landscapers & architects, garden designers and florists. The show is a combination of business and social activity, but above all it is a buyer’s show, which is particularly attractive to the grower retailer and the independent garden centres.

The show returns to the Cheshire nursery site from 4-5 September 2018. This is our pick of the best exhibitors from last year’s show, listed here in alphabetical order: Chapel Cottage Plants Ltd & Golden Grove Nursery.

Further details can be found on the left.

www.fouroaks-tradeshow.com

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E orders@chapel-cottage.co.uk

www.chapel-cottage.co.uk

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**Golden Grove Nursery**

Conifers for the modern garden at Golden Grove

Golden Grove Nursery is a thriving, family-run business with over 40 years of experience growing conifers.

95% of the conifers on the nursery are propagated by the team at Golden Grove, either by cuttings or grafts and nurtured for 2 to 5 years before being sold. Plant care is a top priority and each variety is trimmed and spaced where necessary to ensure that it grows to its full potential in its natural shape. The business continues to develop new varieties; each carefully selected to suit the urban garden and patio planting, ensuring that the conifer can provide a vital role in the modern garden.

With years of experience under their belts and over 200 varieties being grown, the team at Golden Grove have built up a comprehensive range of quality conifers so that whatever the size of garden there is always a conifer suitable for bringing structure and focus to it. With different shapes, colours, textures or growth habits in abundance, conifers are the heart of the garden all year round.

Offering bespoke labeling and seasonal POS material, Golden Grove has everything you need to make a top quality display that will get your customers excited about conifers.

T 01255 480432
E sales@goldengrovenursery.co.uk
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Industry Update is sponsored by Clivet – see them on pages 12-13
Portable inspection camera

Newly introduced by Laser Tools, this portable inspection camera is 1m long and just 3.9mm in diameter. This very narrow diameter of the camera probe means that the inspection camera has numerous applications, from inspecting cables or pipes in or behind walls, to locating lost keys, etc, in drains.

It includes 90° mirror attachment for increased versatility and will prove particularly useful for unobtrusive inspection and viewing applications. The unit is fitted with a Micro SD card which enabled still images and video recordings to be saved, while sound is also recorded. When working in dark environments the end of the probe is fitted with two LEDs which have six levels of brightness.

T +44 (0)1926 815000

GEYER ELECTRONIC

GEYER ELECTRONIC is a leading manufacturer of frequency controlled products, offering quality crystals and oscillators qualified to ISO9001 standards.

GEYER’s KK-327RF quartz crystal is suitable for use in automotive and harsh environment applications and is the latest addition to its 32.768kHz tuning fork crystal range. This AEC-Q200 qualified component, with dimensions of 2 x 1.2 x 0.6mm and an extended temperature range of -40°C to +125°C, is ideally suited for the automotive industry. The device is also suitable for use in real-time clock applications in the electric mobility and IOI industrial applications.

The KK-327RF is currently available with a load capacitance of 12.5pF. For automotive applications requiring a 9pF load capacitance, Geyer offers its KK-327NHF with the same -40°C to +125°C temperature range, but in a slightly larger package size.

GEYER ELECTRONIC’s range of AEC-Q qualified crystals and oscillators for automotive applications is continually expanding. It currently includes small package 26MHz and 40MHz frequency KK-5T crystals, measuring just 2.0 x 1.6 x 0.45mm, 16MHz KK-7RF crystals capable of working in temperatures up to 150°C, and various clock oscillators with 25MHz and 27MHz frequencies. A full list of GEYER’s AEC-Q qualified components is regularly updated on their website. All components are RoHS compliant and lead-free solderable.

GEYER ELECTRONIC’s head office, based in Munich, includes a Design and Test Centre to answer questions on circuit design and crystal technology, enabling Geyer to work with their clients from design stage through to volume production.

T 01794 329341
sales@geyer-electronic.co.uk
www.geyer-electronic.com

Two new systems

Power protection expert, Riello UPS Ltd, recently unveiled two new forward-thinking solutions at Europe’s number one enterprise IT event, IP Expo Europe: Next Energy and Sentinel Dual, both of which are for use in mission critical applications, have been showcased to key decision makers looking to find out how the latest IT innovations can drive their business forward.

The Next Energy UPS device is a high-tech solution designed to meet the power requirements of tomorrow, offering high efficiency of up to 97% and low running cost. The system is equipped with a seven-inch interactive touch screen providing UPS information, measurements, voltage and current waveforms.

The Next Energy also boasts transformerless double conversion technology at VFI SS 111 classification, integrated IGBT three-level design and an in-built energy control system as standard.

The Sentinel Dual is the other product showcased exclusively at Riello UP’s IP Expo KK8 stand. The range, which is designed for maximum power reliability, is suitable for many different applications, from IT to security, and is available in 5-6-8-10 kVA/kW models.

With an easy-to-use digital display and a user-replaceable battery set, the Sentinel Dual can be installed as tower (floor standing) or rack, ideal for network and server rack applications.

T 0800 269 394
sales@riello-ups.co.uk
www.riello-ups.com

Portable inspection camera

Newly introduced by Laser Tools, this portable inspection camera (p/n 6934) allows you to easily perform visual inspections in hard to reach areas. The lightweight, handheld design means that it is extremely portable, and the very flexible semi-rigid camera probe is 1m long and just 3.9mm in diameter. This very narrow diameter of the camera probe means that the inspection camera has numerous applications, from inspecting cables or pipes in or behind walls, to locating lost keys, etc, in drains.

It includes 90° mirror attachment for increased versatility and will prove particularly useful for unobtrusive inspection and viewing applications. The unit is fitted with a Micro SD card which enabled still images and video recordings to be saved, while sound is also recorded. When working in dark environments the end of the probe is fitted with two LEDs which have six levels of brightness.

T +44 (0)1926 815000
There is no chance of missing this 25th anniversary

There is no chance of missing this 25th anniversary celebration at Lanes Group plc. The company is celebrating its first quarter of operation with a special event. The celebration will feature live music, food, and drinks, as well as a special 25th anniversary cake. The event is open to the public and will be held on Saturday, April 29th, from 10am to 10pm. Lanes Group plc is located at 123 Main Street, New York, NY 10001. For more information, please call (123) 456-7890 or visit www.lanesgroup.com.
New range of panel processing machines now available

The Lepus II 3 Axis high speed panel processing machine, designed for more efficient and cost-effective panel machining. The last quarter of 2017 sees Addison Saws introduce a brand new line of 3 Axis Panel Processing Machines to its extensive range.

Following the already very successful addition of OZ aluminium machining centres and double mitre saws, Addison’s is now offering OZ’s panel solutions to the UK market in the form of the Lepus ii and Lepus III, with the latter featuring an extended table length for larger panels.

The Lepus II machining centre is the ideal, cost-effective solution for rapid and reliable drilling, profiling, and milling operations, designed and constructed primarily for large-scale production of composite, aluminium, wood, acrylic, and fibre resin materials. It is supplied with advanced Alphacam user friendly CAD/CAM 2D software for remote programming and data transfer to the machine by USB or Ethernet connection.

The Lepus II has a working area of 1,860 x 4,000mm, (lepus II L 7,200mm x 2,000mm) accommodating multiple-sized material stock. The Lepus is an ideal solution for companies introducing innovative yet proven CE certified technologies for cutting and processing composite-aluminium façade panels and for precise and often intricate patterns in wood, wood-based, composite, aluminium, aluminium-composite, or PVC. Larger/smaller sized machines are available custom built to special order.

Four rapidly deployed spindles in turret formation offer an efficiency boosting 2.5 second tool change over time. The 7.5 kW vacuum pump ensures secure material fastening, and the division of the table into 5 sections makes it possible to fasten securely smaller surface materials and process them precisely without worrying about slippage.

Expert laser cutting

Accurate Laser Cutting is among the UK’s leading providers of quality and unmatched sub-contract laser cutting, and press brake services. With two production facilities based in the West Midlands and South Yorkshire, the company are able to offer their services to the entire manufacturing industry in mainland UK, with the ability to offer 24/7 laser cutting services.

Accurate Laser Cutting prioritise their excellent levels of accuracy, as well as their lead times, fast turnaround and customer service. As one of the leading laser cutting providers, Accurate Laser Cutting boast fibre lasers that work complimentarily alongside their press brake equipment & bespoke CAD/CAM software in order to work with a range of metal components. Whether it’s a small sample for testing, a prototype or a fully functional one off item, Accurate Laser Cutting are able to offer expert metal profiling solutions.

In addition to laser cutting, they conduct decorative laser cutting, laser etching, engraving and more. They are proud to say that their three Fiber lasers are the most powerful in the UK and are specially designed with 10kW fibre cutting technology. The Bystronic Fiber lasers are expertly engineered and capable of processing non-ferrous materials, meaning they are able to work with bronze, copper & brass.

As well as this, Accurate Laser Cutting can laser cut and bend sheet metal up to 4 metres long, increasing their capacity to deal with customer requirements. As for thickness, they can cut up to 30mm worth of aluminium, 30mm stainless steel, 25mm mild steel, 15mm brass & 12mm copper.

Accurate Laser Cutting also has a press brake facility, housing CNC hydraulic press brakes. These marvels of engineering are able to handle up to 4 metres & 320 tonnes of material, including mild steel, stainless steel, aluminium, copper, brass and more.

There are a number of reasons Accurate Laser Cutting have amassed such a vast and wide ranging client base, including their ability to offer quick quotes, getting back to submitted specifications within just four hours. On top of this, Accurate Laser Cutting boast rapid lead times and free and fast delivery. If that wasn’t enough, they are also ISO certified & comply with industry standard 9001:2008.

If you have any laser cutting requirements, then be sure to get in contact using the number below where one of the friendly team can help with your request. Alternatively, you can find more information by visiting the website below.

T 0121 520 2444
www.accurate-laser.co.uk

Accurate Laser Cutting is a quick response laser cutting and sheet metal fabrication business, offering full design support, project management and delivery capability. They can also offer oversized laser cutting, bending services, wet and powder painting assembly, and contact them now to discuss your requirements and get a free quotation.

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Laser Cutting & Welding Update

Industry Update is sponsored by NSF Controls – see them on page 17
Design-to-manufacturing innovation

The TCT Show is one of the world’s leading 3D manufacturing technology events. For over 20 years, TCT Show has set the industry agenda, bringing together dozens of inspirational speakers, 300+ exhibiting companies and more than 50,000 visitors from over 40 countries.

TCT Show 2017, held at Birmingham’s NEC from 26-28 September, offered the opportunity for thousands of eager visitors to experience multiple product launches and demonstrations from 239 exhibiting companies, the largest concentration of advanced digital manufacturing within the UK. Over fifty engaging presentations took place across three conference stages and a wealth of exciting show features educated and entertained in equal measure.

Leading in accuracy: Dunlee offers 100% pure 3D-printed tungsten parts

The 100μm walls of Dunlee anti-scatter grids are thinner than an eggshell yet extremely resistant to heat and radiation. Dunlee is one of the first and, for over ten years, one of the only to focus on the additive manufacturing of pure tungsten. Pure tungsten is a refractory metal that is characterised by a very high melting point and an extraordinary resistance to wear and heat. These characteristics make it an ideal material for extreme applications, such as in anti-scatter grids, which require X-rays to be blocked in order to prevent unwanted signals from hitting the detector.

Anti-scatter grids require very high accuracy and thin walls to ensure that only the dead areas of the detector are covered. Thanks to years of extensive research and strong cooperation, Dunlee is able to print pure tungsten with a wall thickness of 100μm and a positional accuracy of 25μm. The demand for tungsten with these properties is constantly growing. “Dunlee is the only supplier that is able to process pure tungsten with this degree of accuracy in high volumes. We are met with great interest from representatives from highly specialised industries and will therefore continue to expand our capacities and services,” explains Anne-Maria Meyer, Product & Business Development Manager.

3D Printz Ltd

3D Printz Ltd specialise in a wide range of affordable filaments and materials for the 3D printing industry.

The company insists on the very highest quality and guarantees only the best raw materials along with modern dedicated equipment is used for manufacture. Laser controlled positive feedback extrusion lines ensure industry leading tolerances of +/- 0.03mm which ensures a smooth and detailed surface to clients and customers prints.

3D Printz’s aim is simple: to provide a great service by promoting pure materials without the cheap fillers. Their chosen filaments are sure to give a consistent result with metallic filaments, a shiny and metallic finish.

The company recently attended the TCT Show at the NEC, Birmingham. The TCT Show is for industries specialising in 3D printing, additive manufacturing and product development. The show includes conferences, seminars, presentations and workshops.

For further information, please contact: sales@advanc3dmaterials.com or: www.advanc3dmaterials.com

For more information about AT 3D-SQUARED or 3D Printing, please contact: Andrew Allshorn 01792 713087 or email: info@3d-squared.com or visit: http://at3d-squared.com
3DPRINTUK: An alternative to injection moulding for small parts...

Thousands or tens of thousands is a quantity barely explored in the additive manufacturing arena. However, 3DPRINTUK is making waves in the field of low to mid volume batch production with its bank of in house SLS printers.

Having developed a method for packing and cleaning production run parts, the team at 3DPRINTUK have been able to drop their prices and lower their minimum part cost to levels way below their competitors.

Focused on production runs, 3DPRINTUK has been able to bridge the gap between additive manufacture and injection moulding for small items.

“The viability of using SLS as an alternative to injection moulding really kicks in with smaller items; there are no set-up fees, only a unit cost, so for small parts with volumes of up to 10,000, it’s a no brainer,” says Nick Allen, founder of 3DPRINTUK.

He added, “The more complex the part the higher the viability as equivalent tooling cost becomes astronomical. We had a break even point for some electrical connectors we produced at 20,000 units for print vs. mould. These really hit the mark for our set up as they’re both small and complex. Using our free polishing service, the parts are near injection mould quality as well.”

The company offers free samples for production runs based on a refund of the test models up to the cost of the minimum order if an order is placed. It is also there to offer advice with the design process if required.

Contact
T 0208 692 5208
www.3dprint-uk.co.uk

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TRUMPF

The high-technology company
TRUMPF offers production solutions in the machine tool and laser sectors. The company is driving digital connectivity in manufacturing industry through consulting, platform, and software offers. TRUMPF is the world technological and market leader for machine tools, used in flexible sheet metal processing, and also for industrial lasers.

Machine tools for flexible sheet metal and tube processing form the core business. The product portfolio includes machines for bending, punching, combined punch and laser processing, laser cutting, and laser welding applications. Diverse automation solutions and a broad range of software round off the portfolio.

In the laser technology business division, TRUMPF provides high-performance CO2 lasers, disk and fibre lasers, direct diode lasers, ultrashort pulse lasers, and also marking lasers and marking systems. The product range also features laser systems for the cutting, welding, and surface treatment of three-dimensional components.

For additive manufacturing, TRUMPF offers both relevant laser technologies from a single source: laser metal fusion (LMF) and laser metal deposition (LMD).

T +44 (0)1582 725335
F +44 (0)1582 399250
sales@uk.trumpf.com
www.trumpf.com

MoonRay

The latest MoonRay 3D Printers are now in the UK and being used for both rapid prototyping and dentistry applications thanks to the new availability of diverse and medically approved resins. This elegant DLP printer uses the latest ultra violet projector technology to solidify the liquid resin layers. Each layer is just 20 microns (or a quarter the width of a human hair) thick and builds up a very faithful representation of the most complex 3D models.

With a higher build speed than laser printers, this platform can turn design concepts or prototype assemblies into reality while the number of parts per build makes no difference to the printing time. Repeatability is assured with this 3D method allowing the dimensional accuracy to remain the same wherever the part is on the build platform.

This small desktop package can fit easily into an office or lab environment and comes with built in software, a starter pack and wireless connection. Prototype components designed by any CAD software or 3D digitally scanned items can be produced effortlessly and amended for prototype assembly or installation.

Distributed for Europe from Cheltenham-based Awesome Apps Ltd, the printer is fully supported with a warranty, spares, and consumables.

T 01242 370453
info@awe-apps.com
www.moonray3dprinter.eu

TCT Show Review Top 20
Perfect your indoor climate with

Industry Update is incredibly pleased to announce that the international cooling technology company Clivet has been specially selected to receive our highly prestigious Outstanding Achievement Award in light of their consistently excellent products and technology.

Clivet was first set up back in 1989, based in Feltrin, Northern Italy, by Bruno Belli. The company initially started out specialising in producing high quality chillers and heat pumps and after much success and increased demand for more services, they branched out and began to produce specialized systems based on Rooftop units, Water Loop Heat Pump Systems and residential systems.

For over 25 years now, Clivet have been designing and manufacturing expert temperature technology, such as ventilation, air conditioning, and cooling and heating technology, for use in multiple applications across a wide range of industries. Although based in Italy, Clivet have subsidiaries all across the world, including the UK, Germany, Russia, the Middle East, Dubai, India, and Spain. Not only that, but thanks to their strong and robust distribution network, they are able to export to up to 70 countries, meaning their technology can be found all over the globe.

As the standard of living across the world has gone up, so too has the standard we expect when we step into a building. This goes for public buildings, residential complexes, commercial buildings, offices, hotels, cinemas and much more. Regardless of outside conditions, it is expected that our buildings be of a pleasing temperature, with clean air, and hot and cold water both readily available. Thanks to the incredible technology at Clivet, this expectation can easily become a reality.

Clivet always ensure to work closely with the client in order to understand the ins and outs of their building and how best to improve it for all personnel, guests, and in regards to long term running costs and energy ratings. One of Clivet’s innovative solutions includes a series of specialised systems designed to optimise the overall efficiency of a building compared to traditional systems. Although each building is different with different needs, this smart system can be used with any building to optimise their energy output. The system has a range of benefits, including its ability to improve the entire building’s energy usage, minimise their carbon footprint, reduce running costs, and cut down on installation time, all of which contributes to the building’s energy rating and hence its value on the market.

One of their proudest projects involved working on a historic building called the Palazzo Edison, a beautiful and innovative technology used in Clivet’s products, one example being their ELFOPack, an impressive feat of engineering that covers heating, cooling, dehumidification, domestic hot water and ventilation. The ELFOPack Reversible Heat Pump is a true marvel of technology. The multifunctional heat pump unit features active thermodynamic heat recovery and a fresh air flow rate of 100m³/h. With its smart technology, it is able to quickly adapt to the load conditions and thermal load of the room. The unit uses electronic filters which pumps air at an efficiency of 99.9%. On top of this, the ELFOPack features thermodynamic recovery whether it’s winter or summer thanks to its controlled mechanical ventilation.

The industry renowned Enhanced Hydronic System, which features specially engineered fan coils, can be found in different industries across the world and can be used in both new constructions and restructuring projects. It is responsible for achieving over 30% in global annual energy savings, an unrivalled double digit CO₂ emissions reduction (leading to better tax deductions and annual cost-savings).

Clivet are one of the world’s leading suppliers of advanced technology and they specialise in three key areas; multi-split technology, heat pump technology and thermodynamic heat recovery. Multi-split technology was developed as an alternative to traditional solutions like screw compressors, and comes with a range of beneficial features. Multi-split technology is used to modulate system capacity in single or multiple refrigeration circuits. It is the least expensive form of modulation, features a Copeland™ qualified design, has zero electromagnetic interference issues, and with no extra oil management hardware required to boot. This technology can be found in a large number of Clivet’s products and is ideal for those seeking to increase their annual energy savings. Clivet’s chillers utilise this technology and have amassed a hugely impressive 80% share of the market as a result of their stellar efficiency, sustainability and reliability. One such example includes the SPINCHILLER™, which according to requirements by Eurovent, has a full load capacity in Class A.

Clivet’s innovative heat pump technology is also regarded as among the best in the industry and uses only 25% electricity and 75% energy from the atmosphere for its heating system. Built for commercial use, their heat pumps are designed to achieve energy savings of up to 48-50%, and have proved highly successful among businesses seeking to reduce energy wastage and optimise their building’s energy efficiency. Although usually using air, which is available everywhere, some heat pumps use water if required to suit the client’s needs. Another popular method is to use the ground as a source of exchange, using underground circuits (geothermal probes) arranged in a horizontal or vertical position.

Clivet’s WLHP (Water Loop Heat Pump) can be found all across the world in large public and private buildings such as shopping centres, offices complexes and hotels. Whether it’s hot or cold, the WLHP can be used to provide the most comfortable climate inside the building for staff customers and more. Water-air or water-water heat pumps are used to produce energy which is then efficiently transferred to and from hot and cold zones using the loop circuit. This heat pump technology can be seen in many of Clivet’s products, one example being their brand new and highly exciting AQUA Heat Pump Water Heater. The indoor product, which also comes with integrated sanitary storage, provides domestic hot water of up to 65°C, and boasts a Class A+ rating in accordance with the EER Directive. It can even be used in extreme temperatures, whether that be -20°C & freezing or +43°C and sweatiering. Manufactured using an enamelled steel tank and a magnesium anode, which protects against corrosion and hence encourages product longevity, the tank is available with both sizes of the water heater.
The production of domestic hot water is free in the summer and exceptionally cost-effective and efficient in the winter. Under certain conditions, it even allows free cooling. With low running costs, low carbon outputs and a simple and easy installation with minimal disruption to surrounding areas, the ELOPack is among Clivet’s most marvellous and sophisticated systems.

Air-conditioning units are another crucial system around the world, particularly in countries below the equator. It doesn’t take long for buildings of any size to heat up during the day, and by the time the sun is at its peak, it can be extremely difficult to work whilst inside—leading to health conditions. This of course has a severe knock on effect on productivity and hence overall earnings. As such, air conditioning is paramount around the world, particularly in countries below the equator.

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Heated or cooled energy is only produced when needed then sent to the necessary area via an innovative air distribution and diffusion plant, then ducting and diffusion terminals. The served areas are all independent of each other so that each area gets only the energy needed to produce the most optimal indoor climate.

Clivet’s Packaged solution is a popular solution for many air conditioning needs, including the AQX. The AQX air handling unit has a number of features, such as an aluminium alloy frame, concealed intermediate sections, an antivibration bellow, thermoacoustic insulation, water gravity humidifying systems, 7 different materials to choose from for the internal and external sheets, smooth internal surfaces that facilitate cleaning and disinfection, D.D.W quality fans, noise reduction capabilities and much, much more. The specialist unit is ideal for use in hospitals, clean rooms, and the food industry.

One of Clivet’s most frequently purchased systems is their highly regarded Packaged System. Offering the very best in cost-effectiveness, this solution takes care of air renewal, conditioning, treatment and purification in a whole host of different buildings, from shopping centres to restaurants, bars, production areas, airports, conference halls and even discos. It is designed to accommodate spaces requiring widely differing air renewal needs, whether it’s for a large or small space.

As for the future, he explained, “We have exciting plans here at Clivet to venture into the residential market, extending our reach and enabling us to offer our services to a wider and untapped market sector, expanding our overall client base.”

If you are interested in improving the climate within your building, then be sure to get in touch with Clivet today using the number below, where one of the friendly and assistive team can help you find the product to meet your needs. If you wish to find out more information on the company and their many solutions, then don’t forget to check out the website detailed below.
Chilling out with Stulz

Stulz was first set up back in 1947 and despite its global presence and remarkable success, they are still a privately-owned family business. With the headquarters based in Hamburg, Germany, Stulz has production plants all around the world, in places such as Italy, Spain, USA, Brazil, Shanghai, Hangzhou, Suzhou in China and India. Stulz UK manages distribution to the UK, managing sales, technical support, installation, commissioning and 24/7 maintenance service. With ten production plants, more than 130 partners around the world, in places such as Italy, Spain, USA, Brazil, Shanghai, the headquarters based in Hamburg, Germany, Stulz has production plants all around the world, in places such as Italy, Spain, USA, Brazil, Shanghai, Hangzhou, Suzhou in China and India. Stulz UK manages distribution to the UK, managing sales, technical support, installation, commissioning and 24/7 maintenance service. With ten production plants, more than 130 partners around the world, in places such as Italy, Spain, USA, Brazil, Shanghai, Hangzhou, Suzhou in China and India. Stulz UK manages distribution to the

One of the best things about Stulz is that all of their cooling solutions are designed with the client’s specific project in mind. When it comes to cooling, reliability and energy efficiency is of prime importance to ensure a long-lasting and cost-effective system. In addition to their high-quality engineering, Stulz are proud of their vast range of custom solutions, their impressive stock levels and their prompt, precise service that has kept customers satisfied around the world for decades now.

Due to their highly energy efficient, sensibly priced, tailored made and durable cooling systems, Stulz have a worldwide client base with their fingers in a variety of different industries. Whether it is a museum, university, hospital or laboratory, you can expect to find Stulz cooling solutions almost anywhere. Not only that, but Stulz can also install their own in-house developed energy management systems to monitor energy consumption.

One of the most exciting new products from Stulz includes the Explorer Chiller and Air Handler ranges. The Explorer Chiller range even has Free Cooling, specially designed for significant energy savings and used in mainly cold and temperate climates. Not only that, but the Explorer unit is exceptionally quiet, thanks to a design focused on noise reduction combined with high efficiency and reliability.

We asked Martina Burg, Stulz UK’s Sales and Marketing Coordinator, about any exciting Stulz news, to which she replied, “There have been a number of acquisitions and partnerships recently, which have enabled us to increase our product portfolio and widen our range of solutions, allowing us to provide for all requirements of mission critical cooling. This includes Stulz having acquired Tecnovel, formed a joint venture with Technology Space Integration (TSI), now Stulz-TI, and a partnership between Stulz and CoolIT.”

If you would like to find out more information about STULZ then be sure to get in contact using the details below. Alternatively, more information can be found online.

T 01372 749666
www.stulz.co.uk

Heating & Cooling Update

Copper overskin

The distinctive bright green shell of one of CFB Boilers’ 4VT steam boilers has been transformed with a copper overskin.

The customised job was completed at the request of an equally famous client who is set to launch a microbrewery in Devon. The brewery will produce real ale to help pubs and restaurants meet increasing demand for the product.

Handcrafted at CFB Boilers’ manufacturing facility in Essex, this 4VT Steam Boiler underwent an overskin process using a 12mm copper sheet – the same material that is used by coppersmiths in the brewing industry on copper tanks, vessels and pipework. – to give the boiler a more complementary metallic silver finish. Ready to fire with skid, the boiler was then sited and installed by CFB Boiler’s in-house engineers at the client’s microbrewery.

Despite its copper exterior, the 4VT steam boiler very much retains its green credentials.

Monitor and control Indoor Air Quality (IAQ) with a PPMonitor

PMM Technology Ltd is pleased to promote its range of IAQ monitoring instruments. Each PPMonitor has been designed to give a visual representation of IAQ in a building. A great number of units may be networked together to show precise changes in concentration of selected IAQ gases over time for an entire building.

The PPMonitor range can monitor temperature and humidity as well as up to 5 different IAQ target gases including Formaldehyde, Carbon Monoxide, Carbon Dioxide, Nitrogen Dioxide, Sulphur Dioxide, Volatile Organic Compounds, Ozone, Ammonia and many more. The user can control, set, and view the real time monitoring of several different wireless sampling units from remote locations via a PC or our Touch Screen Monitor – all communicating together by a Zigbee wireless mesh system. IAQ readings can be scheduled and viewed graphically, included in reports, as well as trigger alarm functions such as email notifications.

The PPMonitor Micro is capable of housing 1-3 sensors – ideal for CO2 monitoring which can establish if indoor ventilation is sufficient. The PPMonitor ZWUs and MMs can house up to 8 sensors. The Touch Screen IAQ Profile Monitor is a stand-alone unit capable of controlling itself & additional units. It has an integrated ‘touch screen’ displaying readings continuously & in real time.

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www.ppm-technology.com
Statistical process control

Version 3.0 of Minebea Intec’s powerful SPC@Enterprise offers customers a complete statistical process control solution that is both comprehensive and user-friendly.

The software captures data from various devices and systems along the production line. Professional evaluation of this data, alongside classic filling quantity control, facilitates dynamic and HACCP-compliant process control. The result is consistent product quality and optimum productivity.

Minebea Intec's SPC@Enterprise software is able to network a wide range of devices and systems necessary for the complex processes involved in the food industry. All master and test data are stored centrally and are available for evaluation at any time.

T +44 (0)121 779 3131
www.minebea-intec.com
Safety feature for automated and storage unit

The Shuttle XP from Kardex Remstar has been given an Access Ready upgrade. The new technology features a visual display that tells the operator as soon as the Shuttle XP is ready for use. While a green light indicates that the tray is standing in the access opening for the storage and retrieval of goods, the very same green light can be seen in loading and unloading activities. The system prevents the operator from storing or retrieving goods while the tray is in motion. This reduces the risk of operating errors caused by the interruption of the active safety light barriers, which in turn minimizes waiting times resulting from unnecessary stops and restarts. The result is improved usage frequency for the Shuttle XP while also increasing the productivity of the system. The upgrade can be integrated into Shuttle XP models with shutter doors in a time-efficient manner, with installation taking four to six hours. The Shuttle XP from Kardex Remstar is designed to deliver high retrieval performance and ergonomic design in the workplace.

Contact T 0870 242 2224

Improved lifespan for wooden pallets

J. J. Gil Covey, chairman of UPALL, says, “The UPALL-inspection, repair, transport and trip costs. A UPALL protected pallet remains in circulation for a longer time, experiences less damage and reduces its cost significantly. Meanwhile, the protected pallet is a truly innovative and ground-breaking development in wooden pallets, which are critical to so many supply chains. Rigorous independent testing and trials show that this proprietary product brings remarkable increases to the lifespan of a pallet and reduces its cost significantly. Meanwhile, the considerable increase in service life gives significant environmental advantages over unprotected wooden pallets.”

The protectors can be supplied in corporate colours, with printed logos and other designs. They are said to be impervious to dust, humidity and other elements. The protectors can be supplied in corporate colours, with printed logos and other designs. The protectors are based on the US pointGUARD invention, which UPALL has redesigned and developed for the European market.

Tests on the protectors at Virginia Tech show that they increase the lifespan of a wooden pallet by three times and potentially longer. This is all because UPALL-protected pallets experience substantially less damage with significantly fewer wood chippings and debris. This reduces downtime, equipment maintenance and housekeeping, and improves safety.

A UPALL protected pallet remains in circulation longer, needing fewer repairs and stays in circulation for longer than conventional non-protected pallets.

The protectors are based on the US pointGUARD invention, which UPALL has redesigned and developed for the European market.

Contact T 01224 722751

New logistics centre for JACOB

JACOB is pleased to announce the opening of a new logistics centre in Porta Westfalica, Germany, to serve its markets in the UK, across Europe, and the rest of the world. The new 7,500 square metre hi-rise logistics centre will be operational from January 2018 after transfer from the existing warehouse is completed over the Christmas holiday period.

JACOB (UK) Director, John West, said: “The new logistics centre will improve Jacob’s ability to reduce order delivery times and enhance the operational efficiency of the supply system to meet customer needs in the UK and the 40 countries that Jacob serves worldwide.”

The state of the art logistics centre has 13,800 pallet locations holding over 5,500 parts and standard components for the extensive range of modular pipework sections and segments. Standard wall thicknesses are 1.3mm, with diameters from 60mm to 1,600mm in galvanised, stainless-steel and powder coated finishes. For custom designed projects, Jacob has an additional 1,000 square metre assembly area to consolidate and sequence shipments direct to customers’ sites.

JACOB (UK) has over forty years’ experience of designing and supplying modular pipework systems, for the engineering industry. JACOB manufactures thin-walled, modular pipework systems and ducting, with components for handling solids and bulk goods, extract lines, gravity chutes and air conveyor systems. JACOB cater for all types of pipework installation.

Contact T 01694 722841

Bridge plate lifting table

When Easifill’s concept of a universal bridge plate lifting table was presented to Ocado, the company immediately understood the benefits it would bring to its core business of picking, packing and shipping goods. Nicknamed ‘Fandango’, it is now a key feature in Ocado’s logistics depots.

The lifting table features a bi-parting bridge plate which folds up at the outer edges to facilitate different vehicle widths. Installed at the loading end of the lifting table, the Fandango bridge plate also safely guides traffic over the lift and into narrower vehicles.

With the outer edges of the bridge raised to the vertical position it creates a barrier which protects the aperture of a van from damage during loading, and at the same time the bridge plate safely guides traffic over the lift by preventing the wheels of MHE and roll cages from falling into the gaps typically present with traditional style bridge plates.

The ‘Fandango’ facilitates the loading and unloading of any type of vehicle from a single loading bay, so fewer loading bays are required. It is said to improve efficiencies, lower costs and helps reduce health and safety risks.

Contact T 0800 160 1965

Latest air hoists

The robust nature of Profi Ti series air hoists from J. D. Neuhaus (JDN) ensures their suitability for a wide range of general industrial applications. JDN Profi Ti series is extensive: models from Q25t to 100t (providing 25t to 100t lift capacity) are suitable for general purpose use, even in continuous working processes. These units can be outfitted with a range of accessories, such as various control systems (including remote control) for precise positioning of loads, and a variety of trolleys to meet specific demands.

These easy-to-operate, low-headroom, lightweight hoists are suitable for hazardous area applications and are said to be impervious to dust, vapour, humidity and working temperatures from -20 to 70°C. Profi Ti hoists work uninterrupted with extended duty cycles (300% duty rating), and have fail-safe starting and overload protection. Minimum maintenance is required.

T 01224 722751

Contact T +44 (0)1942 713501

www.upallpallets.com

www.jamesjones.co.uk

JDN Profi Ti is the series name for the new generation of air hoists from J. D. Neuhaus. The new series extends the range of general industrial applications. JDN Profi Ti series is extensive: models from Q25t to 100t (providing 25t to 100t lift capacity) are suitable for general purpose use, even in continuous working processes. These units can be outfitted with a range of accessories, such as various control systems (including remote control) for precise positioning of loads, and a variety of trolleys to meet specific demands.

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Right time, on trend, in stock

The Autumn Fair, held at Birmingham’s NEC from 3-6 September 2017, is the largest gift trade show of the season, bringing together over 1,400 exhibitors and 28,000 visitors from the UK and overseas for four action-packed days of viewing across 13 excitingly diverse show sectors with over 450 new brands set to participate and 84 countries in attendance.

The fair offers an inspirational selection of feature areas designed to help guide your buying decisions. These areas are interactive zones around the show giving you access to exclusively edited product selections, live demonstrations, cataловes and displays. Categories include Body & Bath, Contemporary Gift & Home, Children’s Gifts, Toys & Gadgets, Fashion Jewellery & Accessories and Table & Kitchen (to name just a few examples). The exhibition, which was launched in September 1990, has become the preferred show of choice for retailers helping to explore the latest and greatest in the gift market ahead of the booming and lucrative festive season.

The show returns to Birmingham’s NEC from 2-5 September 2018. This is our second pick of the best exhibitors from this year’s show, listed here in alphabetical order. Adk. krommery, Green Breeze Ambient & Realmist Creations. Further details can be found below

www.autumnfair.co.uk

Green Breeze Ambient

Green Breeze Ambient is a professional ambiance creator, specialising in adding luxury fragrance to designated areas.

We tailor all our systems to match each and every client’s requirements and have over 1,000 installations within the Asia Pacific region.

Our Head Office is based in Macau, China, with regional offices in Beijing, Tianjin, Chengdu, and our new European office in London.

With clients stretching as far as the Middle East, we can offer service and products to any global location.

With the newly launched product BlissSTREAMER, a simple, elegantly designed fragrance dispenser, you can easily dispense fine fragrance into your surroundings in a safe, silent, and affordable way.

For more information, please visit: www.jelilandjouj.com www.glamb.com

Final Touches

Final Touches is the number one UK family owned and run, contemporary furniture, picture and mirror wholesaler.

Be the first...

To see our new upholstery fabric range at the January Furniture show at Birmingham’s NEC, a highlight in our events calendar that gives you an exclusive look at our exciting new lines. Our best-selling Modia and Arianna ranges which last year took the Furniture industry by storm have been expanded to meet popular demand. Come to our stand in Hall 3, Stand N45, to see the brand new introductions.

Be rewarded...

Our customers are the heart of our business, to reward you, we’re developing a Customer Relationship Programme that will suit your property and still be beautiful for five years to come, aging naturally over time.

To book an appointment with us at the January Furniture Show or a personal showroom visit, contact kerry.singh@finaltouchco.co.uk

The Cottingham Collection

The Cottingham Collection range has been born out of a desire to create authentic hardware and household goods.

What sets the range apart from other brands of ironmongery on the market today is finished in black epoxy, lacquer or bazoox, the CC range is hand-finished using traditional methods. All cast iron products go through a 5 stage hand finishing process to achieve a natural authentic finish that will age naturally over time.

All our items are manufactured from original castings or copied from original designs completely unique to the CC range using traditional sand casting methods. We continually strive to create and design products that will suit your property and still be beautiful for five years to come, aging naturally over time.

Contact

www.cottinghamcollection.co.uk
https://en-gb.facebook.com/AdfixLTD

New product innovations from NSF Controls

With an advanced approach to product development, engineering and technology, NSF Controls is a UK based leading designer and manufacturer of solenoids, switches, and a specialist provider of customised electro-mechanical assembly services.

Globally, its solenoids and switches are used in defence and security applications, for automotive, utilities, medical and leisure functions, and breakthrough industrial and commercial automation.

Offering the widest range of solenoids and switches from a single source anywhere in Europe, the company’s knowledgeable in-house product experts help customers to design, select & source the most suitable products to meet application requirements.

Recognised for superior quality and reliability, NSF Controls’ specialist components provide a foundation for the development of bespoke solutions, driving forward technological breakthroughs that improve performance and capability of client products and services.

From minor modifications to custom designs for progressive new applications, NSF Control’s in-house engineering expertise, expertly-manufactured and assembly enables all aspects of development to be progressed in-house, with 90% of output, customised.

Innovative product developments from NSF Controls include:

- **Shut-off valve solution for smart meter manufacturers**
  Delivering a more compact, cost-effective solution for smart meter manufacturers, NSF Controls’ shut-off valve was developed originally to meet a new requirement to regulate gas usage. It can be engineered to exact requirements and applied across a diverse range of utility meter applications, as well as utilising the shoe mechanism in other positional locking device uses. There are two successful valves in operation for smart meter applications suitable for installation to either the outlet or inlet port with a customised interface.
  The MGV Series is a motorised gas shut-off valve whilst the SGV Series is a bi-stable solenoid operated gas shut-off valve. To find out more about them, visit: www.nsfcontrols.co.uk/our-products/shut-off-valve

- **Non-sequential one-stop control gives vast tonal flexibility for electric guitars**
  Another product innovation from NSF Controls and a revolution to existing products is the Free-Way 6 Position Toggle Switch, which can be installed at manufacture or retro-fitted. Delivering vast tonal flexibility from a single control, the guitar is able to select any of the instrument’s push-pull settings non-sequentially.
  When the Free-Way switch is fitted, the guitar maintains its classic looks and condition, and the push-pull selector feels like a normal 3-way toggle giving neck, bridge and bridge plus Bridge selector. However, with its revolutionary non-sequential action, the Free-Way Switch also moves into another three forward positions opening up a whole new dimension in natural tone.

- **Shut-off valve solution for smart meter manufacturers**
  Non-sequential one-stop control gives vast tonal flexibility for electric guitars
  More at: www.nsfcontrols.co.uk/our-products/free-way-switch

For help selecting the most suitable product to meet your specific requirements and, if required, assistance with the design and manufacture of a customised solution, please contact our specialist Design & Engineering Team:
+44 (0)1535 661144 or email: info@nsfcontrols.co.uk

Wheelchair Winch Assist for Wheelchair Accessible Vehicles (WAV)

NSF Controls also develops products as a result of market research and one such product introduced as a result is Winch Assist. Designed to ease access of a single occupancy wheelchair to a suitably modified Wheelchair Accessible Vehicle (WAV), Winch Assist helps both carer and wheelchair user. Specifically produced for supply to manufacturers and vehicle converters, specialising in the adaptation of standard vehicles into wheelchair-accessible vehicles, Winch Assist is suitable for cars, taxis, vans and minibuses. Manufactured to meet the highest standards, NSF Controls’ Winch Assist design can also be modified to create a bespoke design for specific requirements.More at: www.nsfcontrols.co.uk/our-products/winch-assist

Wheelchair Winch Assist for Wheelchair Accessible Vehicles (WAV)
Industry Update

Microfinish attachments

In virtually all technical fields, the requirements placed on the quality of individual components are increasing. As a result of this, surface-improving and geometry-improving superfinishing techniques are becoming more important. Today, even smaller suppliers must be capable of working to the finest tolerances in dimensional accuracy. The German machine manufacturer Thielenhaus Microfinish presents a range of attachments for base machines for these applications and for small batch sizes. With these solutions, the advantages of the Microfinish technique can also be enjoyed using conventional turning, grinding and milling machines, meaning that the surface, roughness, waviness and contact ratio of the components being worked on can be improved in a reliable manner.

All of the attachments consist principally of an electric drive unit for high short-stroke movements and the oscillating tape or stone tool. The removal, which is performed in a sine-wave form due to the oscillation, removes the ‘soft layer’ generated during the hard turning or grinding process, drastically improving the roughness and contact ratio. Using this process, surface roughness of Ra 0.01μm with rolls and Ra 0.3μm with teasing positions can be achieved. At the same time, the surface can be given a structure with defined, criss-crossing grooves to improve its tribological properties. These attachments represent a cost-efficient opportunity to receive an entire application from the market-leading manufacturer Thielenhaus Microfinish presents a range for base machines for these applications and for small batch sizes. With these solutions, the advantages of the Microfinish technique can also be enjoyed using conventional turning, grinding and milling machines, meaning that the surface, roughness, waviness and contact ratio of the components being worked on can be improved in a reliable manner.

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Blue T bits are for screws with a 90° angle at the screw head, which tend to lie flat against the material. For screws with angles of more than 90°, (more of a countersunk shape), there are yellow Y bits and, if the user wants to fasten both types of screws, there are red all-rounders – TV bits.

Total solutions for air-conditioning

The subdivision of the Wiha bit range into just three colour-coded categories simplifies section. All Wiha bits are now suitable both for normal screwdriving tasks and impact screwdrivers.

A glance at the screw, another at the concept’s new colour and symbol code, and the bit is located in seconds.

For more information, please call +49 7125 9687590
Email info@unisig.de | Web www.unisig.de/en
Improving lives with clean air

RoboVent is the leader in clean air solutions for industry, providing highly-efficient and effective industrial ventilation and dust collection systems for manufacturing operations across Europe. We are passionate about redefining clean air technology and solutions for the future.

Today’s manufacturer is challenged by creating cleaner, safer working environments for its employees. RoboVent helps by providing solutions for air quality challenges, resulting in higher productivity and lower operating costs. Our applications include welding fume, plasma and laser cutting fume, oil mist and all other types of dust collection applications.

Headquartered in Bamber Bridge, Lancashire, RoboVent was founded in 1989 to help companies solve environmental problems. We provide a customisable, single-source guaranteed solution, from engineering design to product installation to service, for dust collection, fume extraction and industrial air filtration systems.

With satellite offices across the United States, Canada and Mexico, RoboVent is positioned to provide quick response times to clients in any part of Europe and beyond.

Contact: Neil Wadhams, Business Development Manager
T +44 (0)1772 626323
www.robovent.com

Humidity Solutions launches new range of industrial dehumidifiers

Humidity Solutions is delighted to announce that it has an agreement to distribute the HiDROS brand of dehumidifiers in the UK market. This brings together the superb HiDROS equipment and the exceptional application knowledge held within Humidity Solutions.

HiDROS refrigerant dehumidifiers provide the solution for industrial storage and commercial applications. Humidity is closely controlled in order to guarantee optimal comfort, while a centrifugal fan with high available static pressure allows connection to ductwork where required or desired.

The total range of HiDROS products includes standard dehumidifiers with capacities from 25 to 3,000 m³/hr. In addition to this, Humidity Solutions and HiDROS can offer a wide range of tailor-made machines to meet any customer requirement.

Expertise, quality, flexibility, and enthusiasm are the other essential elements brought by both companies that ensure we provide a rapid response with appropriately engineered solutions.

Humidity Solutions is the UK’s only independent specialist in humidity control, offering a range of humidifiers and dehumidifiers from the most respected manufacturers around the world. We offer a comprehensive turnkey service, from initial feasibility and design through installation and commissioning, to ongoing after-care.

For more information, visit us at: www.humiditysolutions.co.uk

On the ball

Ball Corporation has partnered with global beer brand Miller Genuine Draft to create a limited-edition promotional pack for the Russian market. The new can has been designed exclusively for the brand’s partnership with Russian music festival ‘Alfa Future People’ to create stand-out packaging. The limited-edition cans utilise Ball’s innovative printing techniques, including the use of neon ink combined with matte overvarnish to create a dynamic design which creates maximum brand impact in the hands of festival goers. Ball’s neon ink solution allows cans to light up under UV light, and embraces certain parts of the can design to create a differentiating drinking experience.

Ekaterina Skhinka from Elly Rus comments, “We partnered with Ball in order to get their expertise that would attract consumer attention whilst also promoting our partnership with Alfa Future People. We are very happy with the partnership and design alterations which helped us to develop a really unique pack.”

T 01582 488827
www.ball.com

Unique products require outstanding packaging solutions

What would enhance your product’s shelf appeal more than a fancy and sustainable packaging made of glass?

Stölzle provides a stunning line of four fancy Spirits Standard Bottles, ranging from 50ml to 1,000ml, available upon request even as a dedicated tallware production up to 3,000ml. State-of-the-art technologies and innovative decoration processes will turn these Spirits standards into unique, outstanding bottles, designed to convey perfectly your desired image and emotion. Stölzle is renowned as a reliable, European manufacturer of technically challenging packaging glass, offering in addition utmost modern decoration techniques. Since years, Stölzle has gained international reputation for its excellence in design and the perfect technical execution by winning international packaging awards – thereof already three times the renowned WorldStar.

For more information, visit us at: www.stoelzle.com

Moulded fibre packaging from Henry AR

Henry AR (Samples Castle Limited) is the sole European contact for ‘Henry Moulded Products’ Stäker Roll Cradles and Custom Moulded protective fibre packaging.

We supply our customers direct from the factory or through our European warehouse in the UK. We hold stock of over 30 different sizes of Stäker for palletising cylindrical products such as rolls, tubes, etc, from 6cm to 100cm diameter sizes.

Moulded fibre packaging projects are developed in-house by our own design team working closely with our customers to create the perfect fit and protection for their products.

Contact us for any moulded fibre project from palletising rolls of film, fabrics, paper, etc, to specialist packaging of industrial or technical equipment.

Come and see our products for yourself at Packaging Innovations at Birmingham’s NEC from 28th February to 1st March 2018 on Stand E17.

Contact: Steve Benn
T +44 (0)1733 810589
steve@alderneyrace.com
www.stakker.eu

Celebrating 10 years of luxury & retail packaging excellence

Founded by Robert Lockyer, CEO, in 2007, Delta Global Source is celebrating 10 years of packaging excellence... Driven by a passion to provide innovative packaging solutions, the commitment, dedication, and heritage of the team are the core of Delta Global Source and the key to the continued success of the business. Providing complete end to end packaging solutions on a global platform, Delta Global Source serves some of the world’s most iconic brands including: Hennessy, Diageo, Heineken, The Edеле Leader Companies, Matches Fashion, Net-a-Porter, Dunhill, Thomas Pink, and Fortnum & Mason.

Our offer is unique & unrivalled. From our creative team to our complete supply chain management and stock control, we design, manufacture, and deliver luxury paper shopping bags, boxes, machine made carrier bags, fabric bags, jewellery packaging, gift boxes, product packaging, print, paint, and an extensive range of packaging accessories.

In-house by our own design teams working closely with our customers to create the perfect fit and protection for their products.

Contact us for any moulded fibre project from palletising rolls of film, fabrics, paper, etc, to specialist packaging of industrial or technical equipment.

Come and see our products for yourself at Packaging Innovations at Birmingham’s NEC from 28th February to 1st March 2018 on Stand E17.

Contact: Steve Benn
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steve@alderneyrace.com
www.stakker.eu
Drives, Controls & Robotics Update

UK manufacturing still growing despite cost pressures

The UK manufacturing sector continued to grow in October, with the IHS Markit/CIPS Manufacturing Purchasing Managers’ Index (PMI) increasing from September’s figure of 55.9 to 56.3 and defying expectations. This marks the 15th consecutive month of growth for UK manufacturing and a welcome improvement on the previous month’s performance.

Growth has been consistent across the industry, including consumer, intermediate and investment goods. The intermediate and investment sectors have seen particular acceleration in production and new orders. While the bulk of new business came from domestic orders, exports continue to rise, albeit at a slower pace.

More new work is coming through from the USA, South America, Australia, and Europe.

With new business and production continuing to pick up the pace, employment growth is at over a three-year high. Despite a positive outlook and continued growth for UK manufacturing, cost pressures continue to build.

David Johnson, founding director at currency specialist, Halo Financial, commented on the latest index, "It’s good to see increasing exports again this month, despite a slowing rate of growth in this area, which likely reflects an undervalued Pound and political uncertainty in the UK, Europe and US. Once again, cost pressures are being felt across the industry, increasing at pace. It’s always important for manufacturing businesses to look at opportunities to mitigate the risks posed by these growing inflationary pressures. Factors that will continue to put these costs up include exchange rate volatility, overseas demand and a recovery in some areas of the commodity markets."

Automation of manual handling process

Pegler Yorkshire is well known and respected as one of the leading manufacturers of advanced plumbing, heating, and engineering products in the world. It’s a reputation earned through a total dedication to quality, innovation, and customer service that’s been the hallmark of the company since it was established in the 1890s (originally trading as Pegler Ltd and Yorkshire Fittings Ltd).

The Challenge

An existing customer of TF, Pegler Yorkshire approached the design team to automate a manual handling process which had issues with quality, consistency, and reliability as well as being slow and labour intensive.

The Solution

TF has engineered a fully automatic assembly and test machine incorporating five bowl feeders and three stations. The five part assembly focuses on improving quality standards and product consistency as well as improved output and reliability.

An exemplary example of automation engineering, the five components are automatically bowl-fed into the machine where 100% testing is carried out. The only operator input is to supply the machine with components and remove the completed assemblies (1 assembly per 5 seconds).

To complement the assembly process, parts are vision inspected by a Cognex camera and Smac electric actuators which record force and distance of key parts and the completed assembly. Any failures are automatically quarantined within the machine and live results are displayed on the operator HMI screen which also collects and stores historic data.

The Company

TF has been a leading manufacturer and test machine incorporating five bowl feeders and three stations. The five part assembly focuses on improving quality standards and product consistency as well as improved output and reliability.

The original process was completely ‘hand assembled’ but has now been replaced by a sophisticated bespoke machine to keep Pegler at the leading edge of manufacturing and design. An exemplary example of automation engineering, the five components are automatically bowl-fed into the machine where 100% testing is carried out. The only operator input is to supply the machine with components and remove the completed assemblies (1 assembly per 5 seconds).

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Contact information:

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rachael.kinsella@halofinancial.com
www.halofinancial.com
Introducing the Don Valley Engineering Group

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

In 2009, the Don Valley Engineering Group was formed, with over 65 years of experience in the Minerals, Gypsum, Cement, Power, Fuels, Ports, Quarrying and Recycling Industries in their hand. Today their services include providing machinery, specialist expertise, supplying equipment and more, for a range of applications world over. Since 2015, Don Valley have been re-structuring the company and have split into four separate divisions: Engineering, Construction, Maltings and Cleeve Materials Handling Ltd. With its four dedicated divisions, Don Valley Engineering is able to provide industry process expertise and knowledge to a range of different industries and sectors, offering specialist industry sector management.

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

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

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

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

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

Don Valley has worked with clients such as British Steel, St Cobsen, CEXS Sinuat, CBH Tarmac, Aggregates Industries, Lodge Cottrell, Diageo, Crisp, Muntons, SSE, Draw, Skanska, Cleveland Potash, ICL Dead sea works and more. The group are accredited with ISO 9001:2008, Achilles, Safe contractor and Avetta.

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

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

Tailored pneumatic conveying systems

Geracie MK II Package Vacuum systems offer the advantages of a full turnkey pneumatic conveying system with the flexibility and availability of standard ‘off the shelf’ components. The modular range of standard components can be combined to form a complete tailored system to transport powders, granules and most bulk solids.

Vacuum receivers are available in 3 sizes, GV3, GV5 and GV120, are ATEX rated and can convey capacities up to 3,500kg/hr and over distances up to 1000m.

The Geracie range of Package Vac has been specifically designed for use in food, chemical and pharmaceutical applications. Systems can be adapted to many process applications including; sack tip and FIBC unloading, transport to feeders, mixers, mills and packing lines.

Utilising energy efficient electrically powered systems to generate vacuum, the need for high energy consumption compressed air powered Venturi systems is eliminated, with a saving of up to 17kWh.

The concept and design of the Package Vac system provides dust free conveying, has very few moving or wear parts and uses quick and easy strip down clamping systems and fast changeover parts enabling rapid dismantle for cleaning and validation.

Why use a Package Vacuum System?
- High pressure prevents dust leaks to atmosphere
- No moving parts in contact with product
- Small bore pipework with correct air velocity ensures no residue in pipe
- All components in package are matched for maximum efficiency
- Geracie package vacuum components are fabricated in the UK.

Contact
T 0161 344 1140
www.geracie.net

Onsite silo build & erection

Don Valley Engineering was awarded the contract for the supply and installation of two 5000 tonne capacity storage silos to receive sand from the client’s rail unloading facility. Due to the physical size, onsite assembly was the preferred solution.

The process would involve the design and fabrication of the key components of the silo off site and in transportable size pieces. Following manufacture and inspection, the silo sections were transported to the client’s site, pre-painted and ready for assembly. A designated area, local to the final location, was used for the sub-assembly of the main silo sections while the structural support work was installed, all handled by Don Valley’s own Construction Division.

Once assembled, the silo sections were individually lifted into place to form the final build. Followed by maintenance access ways and the associated materials handling equipment required to complete the entire system required by the client.

From conception, through design, manufacture, delivery, erection and commissioning, Don Valley Engineering was able to deliver this full turnkey solution safely and to the client’s satisfaction. Don Valley Engineering would be happy to discuss your bulk storage requirements of any size.

Contact
T +44 (0)1302 881188
sales@donvalleyeng.com

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Geracie Vacuum Handling Systems

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Deep hole drilling

UNISIG was first established in 1981 and due to their hard work and dedication, have managed to build up a strong and enviable reputation in the industry in light of their exceptional line of deep hole drilling machines. The company’s headquarters, engineering and production outlets are based in Mannefors Falls, Milwaukee, USA, but UNISIG’s sales and support office are based in Southwestern Germany. With a global presence, UNISIG have amassed a wide ranging client base that stretches around the world, with more and more loyal and new customers seeking their services every year. Better yet, UNISIG are able to cater to companies no matter the size, be it large multi-national corporations to up and coming SMEs seeking support.

UNISIG’s clients range from all sectors in different industries, but their main clients are from the oil field, aerospace, defence industry, hydraulic cylinder production and automobile industry. Customer service is at the forefront of the company, and they promote nothing but the best customer service and satisfaction for all clients.

UNISIG are capable of providing specialist services in deep hole machining, accompanying tools and automation. They provide turn-key projects for high accuracy components which has given them the knowledge and confidence to take on almost any job that comes their way. On top of that, they are the only machine producer currently producing all durable tooling that can be integrated alongside machines. As a result, this has allowed them to take on additional work, keep tighter tolerances and maintain their fast set-up times in comparison to their competitors.

One of the most exciting recent launches from UNISIG include the B600 and B700, both of which are part of the 8 Series Ball screw Machines line. Specially designed for BTA range diameter deep hole drilling applications, the B600 and B700 feature a quick build time and intuitive operation. They can produce centerline holes on parts up to 20 feet deep, making them ideal for a variety of different applications. Clients can also make use of UNISIG’s comprehensive support and training in order to push their machines further and meet more challenging goals. The new and upgraded products also feature drop beds and allow the rotation of components due specially equipped landing gear.

The company pride themselves on being able to say that their tailored support runs from the installation process all the way through to post-delivery. Global technical support is available on hand from both UNISIG’s unique technical team and their factory trained and certified providers. With rapid and effective responses to queries, plus accurate technological diagnoses, clients are guaranteed that they can be up and running again with as little disruption and damage to the business as possible. The company also boasts a network of global technicians that respond swiftly when field service is needed. These trained technicians use identical high-level technology that is used in machine building to control any mechanical or electrical issues that could arise.

Any purchases of machines made include training at the time of runoff and installation. This is to make sure all customers are confident with their purchases and are adept at the processes required to enable a smooth first use. UNISIG technicians work closely with customers in a hands-on environment to review machines, tooling, drilling operation, machine parameters, troubleshooting and general maintenance. The base of understanding is provided, but UNISIG aim to provide additional in-depth and intensive training for extra assistance and advice, providing maximum accuracy and proper use of the product.

Preventative maintenance guidelines are provided by UNISIG, alongside service recommendations that are easily digestible for customers. Preventative maintenance is detected by integrated sensors that are allocated at critical machine points. This maintenance process is made up of functional tests, inspections, and adjustments are made to the assemblies, fluid replacements, machine alignment verification and control diagnostics log review.

Dedicated to putting out the best possible product, UNISIG prioritise Process development in order to best optimise part production. This development includes tool selection, tool profiles and machine parameters, covering everything from speeds to feeds to coolant rates. UNISIG’s engineers and technicians follow on by testing, optimising and documenting the process to ensure their parts come out in perfect order, ready for the client to use. The prototype drilling and testing support comes from UNISIG’s Tech Centre whose experienced staff, leaders in prototype drilling, conduct carefully monitored testing taken place in a controlled environment. This helps reduce cycle time for production and even gives new opportunities in machinery.

Consistently looking forward and looking to improve upon their already stellar services, UNISIG ensure to invest in product development to improve their enterprise and better service their customers around the world. From increasing staff size 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. They have attended exhibitions such as the EMO show in Hannover, aiming at the machining and tooling industry, the International Weapons Exhibition in Nuremberg, the AMB show in Stuttgart and the International Manufacturing Technology Show in Chicago.

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

T 0049 7125 968 7590
www.unisig.com
The Addex Group

Industry Update is sponsored by NSF Controls – see them on page 17

The Addex Group

The Addex Group was first set up in 1998 and specializes in supplying machinery to multiple industries around the world. The brands making up the group consist of well-known names such as Allsaw, Mavesac, Big Ben, Ultra-Float and TEClean, all of whom operate in the industrial, engineering, cleaning and construction sectors. Their sophisticated range of equipment extends from diamond tooling all the way through to industrial vacuums, and their strong client base is just as varied, including names such as British Gas, Chelsea Football Club, Jaguar, Interserve, Crossrail, Vesta and even the ZLT London Zoo.

The last 12 months in particular have seen great success for the company, with new business, new clients and new products. The Addex Group saw a significant rise in sales during the course of 2016, with a number of record breaking profitable months.

Not only have they increased their UK client base, but they have generated new business across Europe, the Middle East, Asia, Australia and America, with more and more products being sold.

The Addex Group have launched several products recently, ranging from the Duramic 1-120 to the Allsaw AS170, the Electra 2.0 City Sweeper and the MaxVac DuraVac-120 to the Allsaw AS170, the Addex Group have launched several and more products being sold.

North west firm awarded two international environmental awards

TCFM unveils refreshed website

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Floor Cleaning Company of the Month

Setting the standards in floor care

Rotowash was first established in 1984 in Austria. With its UK headquarters based in Bilworth, Middlesex, the company specialises in cleaning technology. They are proud to say that they are market leading manufacturers and suppliers of floor cleaning products, catering for companies and customers across the UK, Europe and around the world. With over 30 years of rich experience to their name, Rotowash are renowned for their cleaning technology and boast thousands of customers that are regularly cleaning millions of square meters of flooring daily with their Rotowash machines. Alongside their loyal customers, the company have valuable partnerships with leading carpet, flooring and cleaning chemical manufacturers; this high level of expertise allows Rotowash to assist customers in identifying, assessing and addressing specific floor maintenance needs.

The M45B cleaning machine is one of Rotowash’s most successful models. Made in Austria, this machine has a brush width of 44cm, brush diameter of 110mm, a clean water tank of 7 litres and a waste tank of 2.5 litres, as well as many other ‘user friendly’ features. The M45B can cover areas right up to large open space surfaces. All designs are unique and robust, adding to their high values of innovation and knowledge.

Rotowash machines can be used for cleaning multiple types of hard floor surfaces and carpets. These machines are able to produce a high-quality wash that scrubs and cleans surfaces whilst allowing them to dry in a matter of minutes. The company manufacture machines in a wide range of sizes, allowing the user to successfully clean small, difficult to reach areas right up to large open space surfaces. All designs are unique and robust, adding to their high values of innovation and knowledge.

The M45B cleaning machine is one of the most popular models due to its easy to attach transport wheels which make it easier to move around budgets and tight corners. All machines have a cable length of up to 10 metres for easy cleaning even in areas further out of reach.

Rotowash provides a 3 year warranty on all machines and has colour coded brushes to help prevent cross-contamination, not to mention being ISO 9001:2008 and BSI Kitemark accredited. All Rotowash machines are fitted with an Operator Presence Control (OPC), a crucial safety device which allows the machine motor to stop automatically if the operator is accidentally dropped.

The company provide services for many industries, including the health sector, government, contract cleaning, charitable organisations, the education sector, small businesses and other major industries. Rotowash machines can be used in businesses such as animal care, entertainment, leisure, food hospitals, hotels & catering, sports & leisure and Customer service is at the heart of the company, offering on-site demonstrations so potential customers can fully evaluate the full range of products and services to ensure all requirements are met. The company pride themselves in saying they are open and honest in their approach to business and always put their customers’ requirements as the starting point of a relationship.

Rotowash’s large team of skilled technical representatives across the UK provide hands on expert advice; all staff carry around a number of models for on-site demonstrations so customers can see the benefits of the Rotowash system on their own floors. Rotowash experts also provide installation on all products purchased, not to mention training and certification of staff for on-site use of equipment alongside maintenance. On top of that, Rotowash provides re-training to all their customers (if needed) during the life of the machine.

Rotowash’s products, range from single and dual pass machines, as well as escalator and travelator models and various accessories, designed to deal with the most challenging of floors. ‘Single pass’ machines are best described as having frontally located water-jets; this allows the cleaning process to be completed in one pass, providing outstanding results with maximum efficiency. The machine can be used on a variety of surfaces in locations such as sports halls, long corridors and shopping centres. The ‘dual pass’ range of machines have a combination of contra-rotating brushes and a gravity fed water system that provides an amazing and unrivalled level of cleanliness.

Used in a back and forth motion, this machine provide excellent deep cleaning results. Machines in the M Class escalator range are fast and easy to use for cleaning escalators and travelators. Side brush attachments are available to assist the machine to clean right to the edge of escalators.

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Rotowash machines can be used for cleaning multiple types of hard floor surfaces and carpets. These machines are able to produce a high-quality wash that scrubs and cleans surfaces whilst allowing them to dry in a matter of minutes. The company manufacture machines in a wide range of sizes, allowing the user to successfully clean small, difficult to reach areas right up to large open space surfaces. All designs are unique and robust, adding to their high values of innovation and knowledge.

The twin cylindrical contra-rotating brushes that are incorporated in Rotowash machines are housed in a high-grade, strong aluminium casing. There are also separate tanks for clean and dirty water. This unique design allows the machine to function where other types cannot; these difficult spaces include under shelves, behind cupboards and in tight corners. All machines have easy to attach transport wheels which make them easier to manoeuvre and quickly move to different locations.

Whether it is a flat or uneven surface, the Rotowash machine is equipped with brushes that make the cleaning process easier. Their unique design allows them to rotate at a speed of 650rpm, which is up to ten times more than standard floor cleaning machines. The brush bristles are able to reach deep down into crevices such as grouted tiles, studded rubber, entrance matting and escalator steps. Using its equally effective scrubbing and buffing technique on flat surfaces such as vinyl, terrazzo and wood, dirt and other material is extracted from the surfaces leaving customers with well-groomed surfaces in minutes.

Rotowash is delighted to say that their sought after orange machines are in fact ‘green’ in the way they use up to 90% less water and cleaning chemicals than traditional machines do. This leads to benefits such as large areas being cleaned between filling and emptying, resulting in increased productivity. Minimal water usage has resulted in a smaller machine size and reduced weight, increasing manoeuvrability. All models are incredibly easy to use thanks to Rotowash’s upright vacuum cleaner design.

Rotowash is committed to providing their customers with the highest quality after-sales care. To achieve this, Rotowash employs a team of nationally based Field Engineers who are all trained to carry out full servicing, Portable Appliance Testing (PAT) or on-site repairs of the range of Rotowash machines. This helps minimise any down-time and provides customers with protection for their purchase.

The Rotowash Preventative Maintenance Agreement (PMA) provides customers with cover for all call out and labour costs incurred, should emergency repairs be required. Additionally, the PMA provides a managed maintenance programme involving planned service visits which are carried out on a five monthly cycle.

The company are proud to say that they are always committed to producing well manufactured, high-quality products, with a focus on equipment safety.

Their complete model range has been approved by British Standards and has received the EEC design and safety certification.

Health & Safety is at the heart of all of Rotowash’s processes. In recognition of this commitment, Rotowash has been awarded accreditation from Alcumus SafeContractor for achieving excellence in health and safety in the workplace. Alcumus SafeContractor is a leading third party accreditation scheme which recognises extremely rigorous standards in health and safety management amongst contractors. It is used by thousands of organisations in the UK including SMEs and FTSE 100 companies. Rotowash’s application for SafeContractor accreditation was driven by the need for a uniform standard across the business. SafeContractor accreditation will enhance Rotowash’s ability to win new business and its commitment to safety will be viewed positively by its insurers when the company liability policy is up for renewal.

Rotowash attends trade shows such as the Facilities Show which enables exhibitors to promote their brand all year round with targeted messages and data capturing opportunities, meeting key budget holders and closing leads as well as securing more business. They also attend the BSAVA exhibition, the HCP exhibition, and ISBA Schools exhibition.

Demonstrations and services can be booked via the website. Rotowash offer user guides for customers, these include M Class machines instruction manual, technical specifications, a guide to brush life, infection control, chemical advice and a guide to warranty. All of which are available to download from the website.

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