

Best Practice



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Converting equipment specialists

Established in 1999 by Simon King, as a manufacturer of bespoke converting machinery and operating out of a 35,000 sq ft factory in Bedford, Alpha Converting initially produced high-speed spoolers, but as the company progressed and expanded, they also began manufacturing converting equipment such as slitter rewinders, unwinders and rewinders, trim winders, automatic winders and much more.



Among their many products is the Duplex HR Slitter Rewinder, a particularly lauded product renowned for its many features. Boasting smart design

Alpha Converting has developed a name for themselves around the world as one of the premier places to go for technical engineering needs and converting expertise. They have clients from a wide array of industries, including some of the biggest global names in the print and packaging industries as well as paper and foam manufacturing. They also work with clients across America, Brazil, Australia, China, Korea, Russia, Germany and of course the UK.

solutions, such as keeping the web overhead to prevent any contact with dirty floors or surfaces, the Slitter Rewinder also features cantilevered winding shafts with swing away support, precise tension control, powered roll stripping and more.

Alpha Converting also specialise in web handling and product handling, which gives them a strong advantage compared to other converting machine manufacturers. It is thanks to their strong command of the entire web handling process that Alpha Converting have been able to produce converting equipment of such a high calibre.

Contact
T +44 (0)1234 607005
sales@alpha-converting.co.uk
www.alpha-converting.co.uk

Download on the
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Domed Car & Auto Badges



ensure your logo will remain clear and visible for years to come.

We can produce in a number of different finishes such as Silver, Chrome, Gold White, Brushed Aluminium etc... whatever you require.

All our domed car badges are manufactured to Automotive specifications. The adhesive is suitable for use as wheel centre and bezels or directly to body work.

The inks used are either solvent or latex based depending on application. The resin used for the domed badges is a stable two-part polyurethane.

The finished product will not go cloudy and UV stable so they will not fade in sunlight.

The scratch resistant surface will

Small Production Runs
Here at Dash Dynamics, unlike many of our competitors, we specialise in small production runs so if you just need a set of wheel centres for your newly purchased or refurbished alloy wheels, then no problem.

For larger trade bulk orders, rates improve. Feel free to pick up the phone and call us on: +44 (0)1995 606158, email us at: info@dashdynamics.co.uk for costs against volume or visit: www.dashdynamics.co.uk

Switch specialists

Kraus & Naimer first established in 1907, has been manufacturing and developing its specialist switchgear products for well over 100 years. With high value innovative solutions, it has become a world leader in low voltage switchgear. The wide reaching selection comprises of cam operated rotary switches, main isolation/main emergency off switch disconnectors and changeover switches, all of which are available in various mounting forms (in switch panels or on machinery) or enclosed in insulated plastic, GRP, mild steel or stainless steel.



Kraus & Naimer recently added to their range of isolators (exhibited at Hillhead 2018) which were developed in conjunction with two of Europe's leading aggregate/quarrying companies. With 3

material choices for the enclosures:

Either painted mild steel - grey or red, stainless steel (316L and 304L grades) or GRP (IK 10 impact rating).

Emergency stop buttons with twist to reset are fitted with harsh environment bellows preventing the ingress of dust particles and water. DIN rail terminals are also provided when push buttons, pilot lights or both are fitted.

Available from stock.

T +44 (0)1635 262626
www.krausnaimer.co.uk

State of the art production facilities based in Austria and Germany, service the UK market with the high quality Blue Line branded switchgear products that are used in a wide range of commercial and industrial applications.

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EA Technology
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The UK's domed badge specialist
ASK OUR EXPERTS
DASH DYNAMICS

Domed Badges from Dash Dynamics

Based in Garstang between Lancaster and Preston, Dash Dynamics specialise in the design and manufacture of resin domed badges (also known as bubble badges) for a range of applications across a variety of industries. These products are fabricated using the latest technology under strictly controlled atmospheric conditions. We produce resin badges, labels and signs that are scratch and heat resistant, UV stable for both internal and external use.

We produce normal self adhesive vinyl stickers where the customer requires a simpler, cost-effective means of personalising products. We also offer a doming service for printers requiring their own production to be domed (Please call us regarding this process as there are certain design and production requirements to be met to create successful and professional results).

All our products are tailor made to your requirements including small volume production. For a cost-effective and professional way to enhance and brand your products or promote your company, please contact us by phone or email with your requirements.



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Fast, reliable and accurate printing solutions

For this issue of Best Practice, we are pleased to present ORIS Packaging Innovations (UK) Limited with our highly esteemed **Commitment to Excellence Award** profile, specially selected as a result of their long standing provision of digital proofing and prototyping services.

Based in Worcestershire and with showrooms in Bolton and Yate, ORIS Packaging Innovations (UK) Limited has been in the business for over 20 years now and have become well-known across the industry for their superb technical expertise in both proofing and packaging services. By bringing together state of the art inkjet printers, their outstanding ORIS FlexPack // Web system, and their experienced know-how, Brand Owners, Packaging Designers, Repro Houses & Mock-up Producers are able to produce stunning Mock-ups and concepts in house.

The ORIS FlexPack // Web system is among their most highly sought after solutions, designed for quick, easy and accurate packaging mock-ups. Capable of using in-house, the ORIS FlexPack // Web Pack features a large colour space, metallic and white ink, and the ability to print onto a wide range of different substrates.

With hardware, software and consumables handpicked depending on client needs and preferences, ORIS Packaging Innovations (UK) Limited can solve any branding issue. For example, consistent colour reproduction has long been one of the most difficult aspects of branding. Due to the many variables involved in the packaging process, such as design software and printing machinery and machine operators, it is often difficult to get an exact reproduction of a branding colour. With the patented ORIS Press Matcher // Web, clients can manage colour reproduction using digital presses, ensuring colour stability. Even gradients can be handled with ease, with the ORIS Press Matcher expertly taking care of the calibration of different gradient colours.

For SMEs and small enterprises seeking short-run label printing, ORIS Packaging Innovations (UK) Limited's Colourdyne Inkjet colour label printer is ideal. Utilising the latest Memjet Technology, full colour labels can be produced at 18m/minute!

In addition to their many hardware and software options, ORIS Packaging Innovations (UK) Limited also has a

wide range of typical consumables such as inks, plus Contract and Production Proofing Media. However their inks are unlike typical printer inks, as their entire CMYK has been redefined in such a way that it allows for larger printable colour spaces and accurate reproductions of almost all Pantone® colours. Their Contract Proofing range includes the ORIS

Professional Media family which boasts ultra-fine-grain nano-porous coating on their papers, doubling the surface area and resulting in uniform ink absorption, better shadow detail, and faster drying.

If you are seeking packaging solutions and would like to take advantage of ORIS Packaging Innovations (UK)

Limited services, then don't hesitate to get in contact today. Alternatively, you can always find out more information by heading over to the website below, where you can find a full list of their hardware, software and consumable services.

T +44 (0)1299 406057
www.packaging-innovations.co.uk



Not everyone prints on paper.

ORIS Flex Pack from CGS uses your profiles, on real press stocks.

So if you are printing on clear films, foils, carton boards, white polythene, self-adhesive labels and more, and want extended gamut proofs that actually look like the finished article, then you should be talking to us.

ORIS FLEX PACK // WEB
proofing for everyone.



www.packaging-innovations.co.uk

Pioneering 100% Coreless Technology

Here at Best Practice, we are delighted to present Hollowrap with our esteemed **Commitment to Excellence Award**, chosen in light of their dedication to providing only the most environmentally friendly products.

Anyone who wraps pallets will know that the vast majority of stretch film



comes with a cardboard core which will undoubtedly end up being thrown away. As such, they are a huge contributor to waste and landfill. Hollowrap specialise in coreless technology and are able to provide high performance stretch film without the core. This allows customers to produce less waste and limit their environmental impact whilst still optimising their pallet coverage.

Hollowrap is based in Leicester and operates across the whole of the UK, supplying the best quality coreless hand roll stretch film. We spoke to Hollowrap's Managing Director David Paxton, who explained, "Every year,



approximately 100 million rolls of hand stretch film are produced, wrapped around cardboard cores which inevitably end up in landfill. As a result, we developed our coreless solution - a world first - which means an all-round reduction in waste, waste disposal, production costs, shipping and storage requirements, and even a reduction or elimination of Packaging Waste Levies."

The patented technology has proven a hit amongst companies seeking to reduce their waste, and promote sustainability and environmental consciousness within the work culture. Not only that, but after an in-depth

study, Hollowrap determined that their average customer managed to save on pallet costs by 36%. As an industry example, one supermarket spent 45p per pallet and after switching to Hollowrap, spent just under 30p. There are a range of different Hollowrap products available, including the Hollowrap dispenser, offset dispenser, extended dispenser, PPS machine roll and 14mu Stretch film.

To find out how to turn your processes that much greener, check out the website for more information and statistics or be sure to get into contact with the team today using the number below.

Contact
T +44 (0)116 276 8867
www.coreless-stretchfilm.com



World leading printing and labelling technologies

A huge congratulations to Focus Label Machinery for receiving our prestigious **Commitment to Excellence Award**.

Focus Labels specialise in the design and manufacturing of narrow web presses for use in the label and packaging printing industry.

Since their establishment in 1981, the company has been pushing the envelope of design and manufacturing, first making a name for themselves with the launch of their innovative Textile printing machines for apparel labels.

CMYK and White inkjet plus Flexo printing and coating, to corona treatment, laminating, varnishing, die-cutting and now UVLED drying technology - all in one press. Another of their sought-after machines, especially for their export market, is the Centraflex, which is a Common Impression or 'CI' type flexo press utilising Solvent or UV curable inks. In addition, it also features 'roll to roll' and 'roll to sheet' converting options. The Centraflex has proven highly popular and is primarily used for printing labels and meat casings plus various other more difficult substrates such as un-supported films.

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Today, Focus Labels stands as one of the industry's leading manufacturers of Flexographic, Textile label and Hybrid Digital inkjet presses, with a vast client base that stretches around the world. In fact, up to 70% of their products are still designed and built for global export across the textile, self-adhesive labels, digital, packaging, and even food and drink industries.

Focus Labels champion servo and digital inkjet technology within their modular systems, allowing users to improve their press-time management and productivity, reducing waste and increasing efficiencies. Their label printing machines are also designed to be user friendly, with a wide range of automated systems that can combine both analogue & digital hybrid printing technologies. Purely British made, their in-house design team and engineers develop customised machines made specific to client needs.

Focus Labels' Hybrid Digital inkjet Printing Machine, known as the 'd-Flex Hi Q' uses the most advanced KM18001 Piezo drop on-demand Ink Jet heads, with the machine offering everything from in-line

If you would like to find out more about how you can get your hands on Focus Label's diverse label printing systems, be sure to get in contact using the details provided. Alternatively, if you would like more information, check out the website below.

T +44 (0)1949 836223
www.focuslabel.com



DASH DYNAMICS

The UK's domed badge specialist

We supply a wide range of domed badges for all industries which can be customised to include your own design, logo and details. We can print directly from your supplied vector artwork or hi-res PDF's. For a cost-effective and professional way to brand and personalise your products for your market or application contact us by phone or email with your requirements.

Here at Dash Dynamics, unlike many of our competitors, we specialise in small production runs. So if you just need a series of machine panels for a new prototype or low production run, then simply send us your artwork and we'll get on with it.

- Machine Safety/Operating instructions
- Control Panel Graphics
- Quality Manufacturing Branding

www.dashdynamics.co.uk
01995 606158 info@dashdynamics.co.uk

UK leading Bubble Badges

A huge congratulations to Dash Dynamics for having been selected to receive our coveted **Commitment to Excellence Award** in light of their unmatched manufacturing services.

Dash Dynamics was set up by David Wilkinson, based in Preston, and specialising in the manufacture of resin domed badges, more commonly known as bubble badges. These kinds of badges can be seen everywhere around us, as logos on cars or throughout schools, hospitals and even within sports. Dash Dynamics' vast client base stretches around the world, with their clients as far as Europe, the US and even down in Australia.

These domed badges are incredibly resilient and long lasting, and they are the perfect way to show off your logo and branding. They are made with adhesive vinyl and



polyurethane resin, and all badges are made to be scratch resistant, heat resistant and even UV stable. They can also be made in any shape, size and colour, matching each client's individual flair and brand.

Domed resin badges like these are in high demand by companies of all types, however manufacturers are few and far between. We spoke to David himself who explained, "Dash Dynamics are one of just 6 professional bubble badge manufacturers in the UK. We have managed to set ourselves apart thanks to our very fast turnarounds and ability to produce small batch volumes of badges. In addition, we are also constantly investing in the latest



technology and machinery, and are currently organising new cutters, printers and doming machines."

Going into the future, Dash Dynamics will be offering more design services and also widening their presence across the machine manufacturing industry. More information on the company and their many services can be found by checking out the website below or getting in contact with the team.

Contact
T +44 (0)1995 606158
info@dashdynamics.co.uk
www.dashdynamics.co.uk

Carcoon: Manufacturers of patented airflow-storage environments

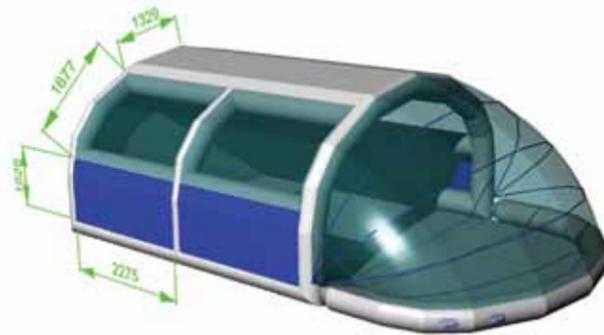
For this issue of Best Practice, we are extremely excited to introduce Carcoon with our esteemed **Commitment to Excellence Award** as a result of their unique approach to vehicle storage and protection.

Carcoon are proud to be the official manufacturers and international distributors of all Carcoon products, including: BikeBubble-EVO-Veloce, JetCell, HeliCell and a full range of Carcoon Workstations. Although the company first started out specialising in innovative car storage systems, their range of products has vastly expanded over the years thanks to their dedication to innovation and development. Based in Salford, all Carcoon products are expertly designed in house for each particular purpose, with their patented storage units designed to isolate, stabilise, ventilate and circulate the air within the enclosed protective environment.



Carcoon is a very special company in that every single product produced is unique to the company. One of their most popular products includes the Indoor EVO Carcoon, distinctive in its design and consisting of a separate top cover and base mat. All the user has to do is drive the vehicle onto the mat and place the cover over the car, connecting the plug into a 12-volt power supply. One of the biggest advantages of the EVO Carcoon is its user-friendly nature and the fact that it can be used both in garages or outdoors. The EVO Carcoon, both indoor and outdoor models, can be custom made, therefore allowing both tall vehicles and reduced height units to be catered for.

Additionally, all Carcoon storage systems, including the BikeBubble, use the unique 'active airflow' function, re-circulating air using Activated Carbon Filters. This creates a protective 'clean room' within the storage environment, keeping the vehicle perfectly protected during the winter months. Better yet, all Carcoon storage systems boast automatic battery backup and battery management for the stored vehicle.



Carcoon also manufacture a unique and patented range of Free Standing Workstations, which enable the same high-level top quality work offered by traditional body shops at a fraction of the cost, with the added convenience of working on location. Their workstations are produced in a wide range of sizes, and not only that but the workstations are also specifically designed to protect the environment from potentially harmful emissions. This is achieved using a minimum of 2,800 CFM air supply and massive three-layer paint arrest, plus activated carbon filter chambers.

As one of the leading names in UK innovation, Carcoon attend a number of tradeshows a year where they can demonstrate the uses and advantages of their protective bubbles and connect with a wider client base.



This year, they attended the SEMA show in Las Vegas where they showcased their carcoons and bike bubbles, using modern paints and SMART procedures within the latest Carcoon Aero workstation. This was the first time the Aero workstation had been unveiled, and it proved hugely popular amongst both attendees and fellow exhibitors alike. On top of that, the team also displayed the latest HeliCell and JetCell products, both of which use the latest humidity controlled technology so as to better protect your vehicle.



If you would like to get in contact with Carcoon, contact them on the number listed below. Alternatively, if you would like to view an extensive range of their products and services, be sure to visit their website too.

T +44 (0)161 737 9690
www.carcoon.com



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 Email: **info@carcoon.com**



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Carcoon are proud to be the official manufacturers and international distributors of all Carcoon products, including BikeBubble, EVO, Veloce, JetCell, HeliCell and a full range of Carcoon Workstations. Initially specialising in innovative car storage systems, their range of products have greatly expanded over the years, all expertly designed in house for each particular purpose. Patented storage units are designed to isolate, stabilise, ventilate and circulate the air within the enclosed protective environment.

One of the company's most popular products, the Indoor EVO Carcoon, distinctive in its design and consisting of a separate top cover and base mat. All the user has to do is drive the vehicle onto the mat and place the cover over the car connecting the plug into a 12-volt power supply. One of the biggest advantages of the EVO Carcoon is its user-friendly and can be used both in garage or outdoor. The EVO Carcoon both



indoor and outdoor models can be custom made, therefore allowing both tall vehicles and reduced height units to be catered for.

Additionally, all Carcoon storage systems (including BikeBubble) use the unique 'active airflow' function, re-circulating air using Activated Carbon Filters. This creates a protective 'clean room' within the storage environment keeping the vehicle perfectly protected during the winter months. All Carcoon storage systems boast automatic battery backup and battery management for the stored vehicle.

Carcoon also manufacture a unique and patented range of Free Standing Workstations enable the same high level top quality work offered by traditional body shops at a

fraction of the cost, with the added convenience of working on location. Workstations are produced in a whole range of sizes suitable for the smallest paint job right up to units large enough to accommodate painting locomotives on site. Furthermore, the Carcoon Workstation is specifically designed to protect the environment from potentially harmful emissions using a minimum of 2,800 CFM air supply and massive three-layer paint arrest and activated carbon filter chambers.

Carcoon is a very special company in that every single product produced is unique to the company.

If you would like to get in contact with Carcoon, contact them on the number listed below. Alternatively, if you would like to view an extensive range of their products and services, visit their website.

T +44 (0)161 737 9690
www.carcoon.com



Gard Plasticases Limited

Established by Graham Tickle in 1972 and now celebrating over 40 years as a leader in Plastic Case technology, Gard Plasticases Ltd is a dynamic, privately owned family business which is recognised as the market leader in the UK Plastic Case and Packaging sectors.

Our willingness to serve our marketplace and our commitment to our clients has allowed us to grow our portfolio of Plastic cases which now include:

- The Gard Concept Range
- Gaggione Plastic Case Range
- WAG Plastic Case Range
- The Storm Case Range
- The DeeBee Range
- Bock & Crystal Boxes
- Many more in the pipeline

Operating from our purpose built factory in the 'Garden of England' Gard Plasticases Ltd has developed a one stop shop and provides all of its services in house including multi purpose and density Foam inserts from Plastazotes to Polyesters and Silk Screen Printing facilities for corporate branding and identity. We also have Vac Forming and Routing capabilities and are continually investing in the latest machinery and technology available.



We offer a free of charge design and sampling service and can visit you on site to discuss your requirements face to face to insure a friendly, prompt and efficient service.

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BITO
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Hollowrap Ltd: Coreless Technology

Hollowrap Ltd, based in Leicester has been converting stretch film products for many years. Seeing the need for change and improved environmental responsibility Hollowrap have spent the last 12 years pioneering the use of coreless stretch film as a replacement for the existing cored versions.

The Hollowrap product helps end users to continue to wrap pallets and goods whilst at the same time saving them money, waste disposal and film usage costs. In fact several customers who have switched to Hollowrap have

reported savings in excess of 25% over their previous product usage.

Hollowrap™ Coreless Stretch Film: Introduced to reduce Packaging Waste

Did you know, if you use one pallet of stretch film a week you're sending over 4 tonnes of cardboard cores to landfill every year!

Switching to Hollowrap Coreless Stretch film will stop this, save you money and help save the environment.

Hollowrap™ Coreless stretch film

offers many advantages over standard cored rolls such as:

- Reduced environmental costs due to removal of cores
- 100% usable product
- Reduced weight of the product when hand wrapping
- Reduced volume of the product for shipping
- Reduced storage space due to smaller product and packaging
- No loss of performance
- Reduce transport costs
- Reduced overall cost of the product

■ Standard rolls can be used in many formats.

Hollowrap's Managing Director, David Paxton and his staff, believe the Hollowrap™ process - which cuts out the need for a cardboard core in the centre of every roll of film will soon become commonplace.

For more information on Hollowrap, contact David Collins on: +44 (0)116 276 0206, email: filmsales@hollowrap.com or visit: www.coreless-stretchfilm.com



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Newcomer: Suppliers of world class tool holding equipment

Based in Coventry, Newcomer UK Limited are among the UK's leading suppliers in the field of tool holding, work holding and CNC tool storage and transportation solutions, renowned for their unrivalled knowledge of CNC tool holding and their wide range of high quality tooling equipment and related accessories. Their fantastic selection of available products and expertise in their field has earned Newcomer the reputation of a trusted leader in the industry, citing acclaim from a wide range of peers from around the world.



Newcomer UK Ltd stock a comprehensive selection of world leading brands, such as Royal Products, Albrecht, ERI Italia, Nikcole, Huot Manufacturing, Elco and Air Turbine Tools. All of these respected names have been carefully selected for their excellent quality, durability and performance, ensuring their clients are provided with the best equipment currently on the market.

In addition to this, Newcomer also supplies their own dynamically balanced range of CNC tool holders and are the proud UK and Ireland distributor of the Albrecht APC milling chuck, presently the world's best chuck in the area of safety, speed and tool life. This choice of tooling guarantees that all machining operations are carried out smoothly and with as little expenditure as possible.

Tapers and shanks in the tool holding range includes but is not limited to BT-MA S 403, DIN69893, DIN69871, ISO26623, DIN2080 and DIN 229. Newcomer also hold the world's largest stock of Multirange collets to suit the Crawford's Multi bore style collet chucks as well as a selection of competitively priced modular and milling machine vices.

It is clear to see that Newcomer are committed to delivering their clients with the best products, service and advice available, so if you would like to get in touch with Newcomer, telephone them on the number below. Alternatively, if you would like to view a selection of their fantastic choice of equipment, be sure to check out their website.

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Surface Technologies

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Surface treatments have been used for many years in key industries to protect components from common failures and reduce maintenance either as part of the manufacturing process, post-manufacture or in service.

Curtiss-Wright Surface Technologies are specialists in the application of surface treatments and our history of innovation and experience dates back to the Wright Brothers and Glen Curtiss.

Our customers receive a high quality, flexible and cost effective service through our network of over 70 worldwide facilities, often using us as a single source for all their surface treatment applications.

Our international facilities operate all key industry and customer approvals including NADCAP, ISO 9001:2008 and AS9100 Rev C and handle all sizes of components for industries such as aerospace, oil and gas, automotive, medical and general industrial.

Our experienced mobile teams also repair components on-site to the same specification as our dedicated facilities.



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- Laser Shock Peening
- Thermal Spray Coatings
- Dry Film Lubricants
- Organic and Inorganic Coatings
- Parylene Ultra-thin Conformal Coatings
- Superfinishing
- On-site Processing
- Material Testing and Analysis
- NADCAP, ISO 9001:2008, ISO 13485, AS9100 Rev C

Improving component life and performance

Drilling Deep to Success

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

Founded in 1981 by Swiss Industrial Group (SIG) and the US company United Technical, UNISIG provided deep hole drilling equipment technologies to the US market.

A company called Entrust (established in 1973 by John Korosec) acquired the UNISIG brand in 1995 as a product division of Entrust and this coupling helped UNISIG redefine performance expectations in the deep hole drilling market, worldwide. Ever since this merger, UNISIG has dominated the market with its industry leading technologies and continues to radically reduce lead times on projects through its innovations and expertise. I had chance to interview Philipp Steimle, managing director of UNISIG's European Sales branch to find out more about the company.

"UNISIG deep hole drilling systems consists of machines, durable tooling and automation, and are designed

to meet the highest performance standards possible. Products are engineered and manufactured in the USA using metric hardware, and include the integration of premium components such as FAG, INA, Parker, Rexroth, Rohm, Schunk, SKF, Wittenstein Alpha and ZF. Products are designed following all applicable ISO, DIN and IEC standard, and are exported worldwide."

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

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

UNISIG's latest line of machines, aimed at the mould industry, follow UNISIG's usual trend of creating solutions

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

"We are currently releasing a whole new line of machines targeted to the mould industry, models USC1, USC2, USC3 that can finish mould production in maximum 2 setups which cuts down production time dramatically while being extremely cost-effective."

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

T +49 (0)7125 9687590
info@unisig.de
www.unisig.com



UNISIG

DEEP HOLE DRILLING SYSTEMS

Engineering and Manufacturing

UNISIG machines are engineered and manufactured by people that understand machine tools and are passionate about precision and performance.

We believe that engineering and manufacturing should work closely together in order to achieve the best combination of performance, reliability and value. A strong material control group, experienced management and the use of business intelligence technology brings everything together.

Our engineers are trained with advanced 3D modeling and simulation tools, which allows us to create virtual prototypes and involve technical staff and customers in design reviews to improve our concepts before bringing them to life.

Critical components are manufactured in our main facility in Menomonee Falls, Wisconsin. We have invested in equipment, tools and training that allows us to efficiently machine complex, precision parts with uncommonly accurate results.

Our castings, forgings and weldments are sourced from providers near our facility in the Midwest and we maintain long-standing relationships with high quality providers of heat treatment, coatings and other specialty services required to produce high performance equipment.



For more information, please visit www.unisig.com
contact +49 (0)7125 9687590 or email info@unisig.de



UNISIG is one of the largest producers of deep hole drilling machines and a leader in technology, innovation, support, and service that our customers rely on to be competitive. Our customers include small job shops looking to expand their capabilities, to large OEM's that need to drill millions of holes.

We offer the entire deep hole drilling system – machines, tools, and automation. We provide technical expertise, training, and remote as well as on-site service to help maximise the value of the investments our customers have made.

UNISIG machines are engineered and manufactured in the USA for our global customer base. Our machines can be installed and supported anywhere in the world. We have installations in the Americas, Europe and Asia and provide the technical support and service our customers need to stay productive through the life of the equipment.

We believe our success stems from a very strong understanding of the deep hole drilling process, drilling tools and their applications. We have a long history of achievement, regardless of the technical challenges.



For more information, please visit our website: www.unisig.com
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PLANTx 2018: 'Powering Industry & The Home'



Established over 50 years ago, EA Technology specialises in providing distribution network solutions for the electricity supply sector. With customer service at its heart, EA Technology is proud to boast their 'rich history and strong track record in delivering quality, value-adding projects' to all of their customers.



relevant industries associated with this sector. This year, PLANTx 2018 have focused on electrical plant, switchgear, automation battery storage and general substation infrastructure. The exhibition has been devised by engineers for engineers, with the aim of sharing and learning from the experiences of those who operate in the electricity industry, including professionals who are involved in the design and operation of electrical transmission, distribution plants, switchgear and general substation assets.

PLANTx 2018 is a must for engineers and industry specialists that are involved with services such as standards, electrical fittings, civil works, health & safety and procurement. The exhibition attracted visitors from a wide range of sectors, including electricity utilities, network operators, IDNOs, rail, renewables & plant, and switchgear OEMs.

The one-day event was hosted at the Chester Racecourse on the 6th June 2018 which spanned



an exhibition area of 4,000m². PLANTx 2018 included over 90 exhibitors, 8 technical seminar sessions and 15 interactive demonstration sessions for visitors to participate in. EA Technology were close to 1,000 visitors at the exhibition and 350 people at the social event the

night before, known as the 'BBQ evening.' The BBQ evening was a great way to network in an informal setting, ready for the main event the following day.

For further information, general enquiries or to the downloadable brochure, please visit the EA technology website. Alternatively, you can contact the company via telephone or email.

T +44 (0)151 347 2220
events@eatechnology.com
<https://www.eatechnology.com/news/events/overhead-lines-colloquium>

Don't miss this opportunity to come and talk, listen and learn with your industry colleagues.

We look forward to seeing you on the day at this year's PLANTx 2018.



The UltraTEV Detector "Don't enter a substation without one"



80% of substation failures are related to partial discharge*

Use the UltraTEV Detector to help meet the requirements of Health and Safety Executive 'HSG230 Keeping electrical switchgear safe' that states 'You should assess the switchgear and the electrical network to identify any potential risks and problems'

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*IEEE Transactions on Industry Applications, (Volume:38, Issue: 6, 2002)

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Specialists in storage

Established in 1937 by Fritz Schaefer, SSI Schaefer is a German, family-owned business. With the headquarters based in Neunkirchen, Germany, the company are proud to say they have more than 55 subsidiaries worldwide and have nearly 10,000 employees. Andover, Hampshire is home to the UK operations side, purchasing, finance, design, and general sales

as well as the UK distribution centre.

The rapidly expanding Midlands-based operation at Towcester houses Automation Sales, IT, Customer Services, Marketing and Project Management.

SSI Schaefer specialises in the supply

of automated materials handling solutions and storage equipment.

For over 75 years, the company have been involved in developing systems which enable them to provide



SECURE STORAGE FOR SMALL PARTS

As the quest for more warehouse space continues, certain capacity limits are likely to be quickly reached when using conventional static storage methods. SSI SCHAEFER vertical lift LogiMat represents a low cost solution to your storage problems. As well as saving space, the LogiMat increases picking speed and reduces replenishment time through less time spent walking as the system operates according to the "goods to man" principle.

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solutions@ssi-schaefer.com

SSI SCHAEFER

customers with solutions that are tailored for the storage of their products. The company's product portfolio ranges from pallet racking, shelving storage systems and metal & plastic containers through to complex automated storage and retrieval systems and IT control.

Customer service is at the heart of the company which is why they see their customers throughout the whole process, from buying to installing and aftercare.

We asked Mike Alibone of SSI Schaefer what the company's plans for the future are, in which he responded, "Our customer base is as diverse as our product portfolio, which enables us already to offer solutions to almost all areas of industry."

As an organisation in the UK, we will continue to grow - particularly as we complete more installations which become reliant upon our providing an ongoing support and maintenance service."

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Subcon Review

Fraser Technologies stands out at Subcon

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Component cleaning. Effectively.

At this year's Subcon Exhibition, one company in particular made a huge impact on attendees seeking component cleaning solutions, this being Fraser Technologies. Subcon is one of the UK's largest tradeshows for subcontractors and those looking for specific services.

Fraser Technologies managed to stand out from the crowd thanks to their display of new generation chemistries and component cleaning systems. Offering a full range of cleaning processors, Fraser Technologies were able to connect with a large array of companies and potential



clients, showing off both tried and tested products and brand new ones which will help companies stay abreast of changing industry legislations.

The Scottish company have already made a name for themselves within the cleaning sector, renowned for their unmatched services in component cleaning, electronics soldering and heat transfer. With 50 years of experience to their name, they have managed to cement themselves as one of the UK's most reliable names in Precision Cleaning, and to date, they have worked with companies across aerospace, defence, electronics, medical, optics and automotives.

In addition to their solvent and aqueous cleaning systems, the experts can also offer advice and guidance, such as how to extend product life, product recommendations, and how to



improve product efficiency, all whilst reducing environmental impact.

One of their proudest solutions includes the Opteon® range, brought forth in partnership with Chemours (formerly DuPont). Boasting almost zero GWP figures, everything in the Opteon® range is also safe, reliable and cost-effective too.

If you would like to find out more about Fraser Technologies and their many solutions, be sure to look below for details.

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www.frasertech.co.uk

Micronclean: Innovation in Action



accreditation, ISO14065, the first Laundry in the UK and still the only cleanroom laundry to do this.

The current decade has seen the introduction of our alcohol trigger sprays for our clean room consumables customers which have challenged 30 years of received wisdom and have transformed the market place.

Micronclean has a turnover of just over £30m

and employs close to 450 people across the UK with most these being based at our three main production sites in Lincolnshire. We have an active Continuous Improvement programme driving business improvement for our customers.

Looking to the future we are confident of growth not only in the UK where we have recently opened a new Class6 cleanroom for the production of sterile syringe packs

but also in selected export markets. In line with this we have recently announced the formation of a joint venture company to sell our cleanroom consumables and have also incorporated an Indian company so that we can start building a cleanroom laundry in Bangalore to service the rapidly expanding Indian Pharmaceutical market.

T +44 (0)1754 767377
www.micronclean.com

At Micronclean, our passion is to be the first to develop new technological solutions that change the shape of the markets we serve creating efficiency and quality for our customers.

Micronclean started as a local laundry for Skegness and has been owned and managed by one family since the 1920's. At that time, the business concentrated on hand finished laundry services focusing on quality, innovation, attention to detail and customer care. These attributes underpin all the products and services Micronclean now offer which range from our traditional hand finished linen through laundered garment services for both industrial clients and high-tech pharmaceutical companies throughout the UK to cleanroom consumables which are sold in the UK and overseas.

Our evolution started in the 1970's when we introduced the first tunnel finisher into Skegness which had the benefit of drying garments using steam thereby doing away for the need for ironing. During the 1980's we built the first cleanroom laundry and we were the first laundry to adopt ISO9001.

The 1990's saw the introduction of garment tracking and we were the first laundry to use Radiofrequency identification (RFID) technology through which we track individual garments in our Protrack system. We were the first laundry to adopt ISO14001 environmental standard.

The building of Louth in the 2000's saw the development of the first (and only) large scale ISO6 cleanroom laundry. Louth's sortation system remains the most sophisticated in the UK. Alongside this we developed an innovative automotive paintshop garment washing process which remains the most effective for that environment. We achieved Risk analysis and Bio-contamination Control (RABC)





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QUALITY TODAY - INNOVATION TOMORROW



Large-diameter pipe lining leads way to wildlife revival

Drainage specialist Lanes Group plc has used fold-and-install large-diameter lining technology to rehabilitate a pipe that will play a crucial role in creating Europe's largest man-made nature reserve.

It has deployed a pillow packer to install a series of point repairs inside a 1,220mm diameter inlet pipe supplying water to an area of land being turned into the Wallasea Island Wild Coast.

The Royal Society for the Protection of Birds, which manages the site on the Thames Estuary in Essex, has a 20-year project to turn farmland into a wildlife-rich saltmarsh twice the size of the City of London.

Rehabilitating the pipe was an important step

to allow tidal water from the River Roach to flow into a lagoon, one of a number being created to transform 670 hectares of farmland.

Main contractor Bam Nuttall commissioned Lanes Group's East London depot to line the pipe, using a novel approach that ensured the project could be completed with minimal disruption to wildlife and least cost.

The Lanes team used a pillow packer to install five point repairs, also known as patch liners,



be dismantled and rebuilt. Once inside, along with each liner, the specialist packer was inflated using

compressed air, pushing the resin-impregnated glass reinforced plastic (GRP) liner against the pipe. The liner could then be left to cure in ambient temperature before the packer was removed.

The pillow packer was lighter and easier to handle than a conventional liner packer. It could be folded to a width of 450mm and installed without an entry manhole having to

be dismantled and rebuilt.

The Lanes East London depot has invested in two pillow packers, each capable of being used to line circular, egg-shaped or ovoid pipes with diameters of 600mm to 1,300mm. The packers are available for deployment across the UK.

Lanes East London Regional Manager Mark Scott oversaw the installation carried out by the depot's in-house lining team.

T 0800 526 488
www.lanesfordrains.co.uk

New distributorship for Cinderella Eco Solution

LeeSan has become the Sole distributor for Cinderella Eco Solution incinerating toilets. 4 different toilets will be available very soon running on Propane Gas or 240V.

Cinderella Motion represents an entirely new concept for waste handling in Off-the-Grid locations, Marine craft, mobile homes and recreational vehicles. It is now possible to get rid of toilet waste in a hygienic and simple manner. The end product is just clean ash. The toilet may be used around 70 times before emptying is required. Cinderella Motion is a further development of the popular Cinderella incineration toilet currently installed by over 60,000 users worldwide.

An incineration toilet is a toilet in which waste products, urine and excrement, are incinerated at a high temperature, leaving only an insignificant amount of ash.

Available around the world for decades, incineration toilets are a commonly used alternative in mountain cabins, remote areas, tiny homes, off-grid structures and other residential and commercial applications without easy access to public utilities. Since incineration



toilets do not require the installation of a water supply or costly septic systems, and do not demand ongoing and messy work to process waste, their slightly higher unit price is heavily offset by lower maintenance over time, providing a substantially lower total cost of ownership than other solutions, both in terms of money and headache.

Several types of incineration toilets are sold around the world, using both electricity and gas as the energy source powering their combustion. Depending upon your application, different energy sources may make more sense.

Unique Advantages of Incinerating Toilets

- No water supply or septic connections required
- Possible to use without grid power connections
- Simple installation
- Requires little space
- No handling of human waste, only minimal ash
- No need to supply bark, chemicals, etc.
- No insect issues

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www.leesan.com

Denso Protection System for Hereford Water Pipeline

Lewis Civil Engineering is currently constructing an 8km length water main pipeline in Hereford for Dŵr Cymru Welsh Water.



Winn & Coales Area Manager, top right, trained Lewis Civil Engineering staff to achieve best application of the Denso P2 Joint Protection System

Winn & Coales (Denso) Ltd were contacted for information on the most suitable anti-corrosion system along with application training of Lewis Engineers for the pipeline's Viking Johnson joints.

The selected Denso system meets the P2 Civil Engineering Specifications for Water Industry and consists of Denso Primer D™, Profiling Mastic and 150mm width Densoclad™ 70 Tape. Denso Profiling Mastic is a vital part of the system, it is applied to seal the voids, bolts and heads around the joints to avoid moisture entrapment. The Densoclad™ Tapes consist of a thick polymer-bitumen adhesive, giving superior adhesion and flexibility, laminated to a tough plasticised PVC backing.

It is expected that Lewis Civil Engineering will install more than six hundred 700mm by 600mm joints and nearly two hundred 700mm diameter Viking Johnson joints. In addition to this there are six 450mm diameter spigot & socket joint pipes. All pipe lengths and joints were supplied in new condition, so no blasting pre-treatment was required.

The Denso materials were supplied via Burdens Civil Group, Merthyr Tydfil.

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PigsRealTime Control Package

Munters is proud to announce PigRealTime, our complete Swine Package. This integrated system provides a comprehensive solution for people managing industrial swine farms.

The PigRealTime solution:

- Supports low-cost communication with mobile devices
- Sends data straight to you, on any

device with access to the Web: PC, tablet or smartphone

- Is capable of dealing with issues such as changes in weather 24/7, without human intervention
- Provides alarms and event notification in real time, allowing issues to be dealt with immediately

PigRealTime includes an advanced



communication system, a web application to control your farms from your computer or phone, and a choice of controllers. Want to learn more?

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www.munters.com/en/campaigns/aghort-campaigns/pigsrealtime-control-package

Panel Mount product launch



Munters is proud to announce the latest additions to our flagship climate controllers: the Platinum Pro, Platinum Touch, and AC-2000 3G Panel Mounts. These controllers can be installed directly into an electrical cabinet. This capability reduces costs for farmers wanting to install their controllers in this manner.

It is important to note that the Panel Mount editions have the exact same functionality and software as the standard editions. In addition, the pricing for this option is the same as the pricing for the standard editions. The Panel Mount controllers were designed to ensure that they can be installed seamlessly; extended length cables are provided, allowing you to open your cabinets easily after installation.

Tal Cohen, Munters Israel Sales Application Engineer, "EMEA farmers want to be able to mount the Platinum and AC-2000 3G units directly into their cabinets. This is a much-needed space saving move for them. Munters Israel answered this call with our Panel Mounts. We are confident that this product will fill an important niche."

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- We can provide custom-designed air dehumidification solutions for all areas of pharmaceutical production.
- Munters products are custom engineered to provide the optimal solution for your specific chemical processing application.
- By providing the perfect climate, our solutions enable farms to operate and produce under optimum conditions. The innovative product range includes ventilation, evaporative cooling, heating and controls systems.

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Your One-Shop-Stop solution with Precision Technology Supplies

Established in 1988, PTS UK specialises in Precision Technology Supplies and are a stainless steel fastener distributor. With the company's new office based in West Sussex, they offer a diversity of products and are proud to say they offer quality controls and are a one-stop shop.

PTS UK offers services such as plating which means the company can plate standard and special screws in a variety

of materials, patchlocking which is suitable for vibration resistance and torque performance, and screw modifications which means they offer customers a modification service from 1.0mm diameter to customer drawings and specifications.

PTS UK keeps on top of the



ever-changing needs of society, which is why they add new ranges to their collections every year. It is no wonder they get customers globally and UK-wide from many industries including computer, medical, automotive, defence, environmental and energy industries.

Customer service is at the heart of the company; PTS staff has over 28 years' experience managing and producing new product lines and it is all done on-site. Not only do the company provide just-in-time delivery, but offer services to suit individual and personalised needs.

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City & Guilds Power Industry Qualifications

EA Technology now offers the City & Guilds level 2 Certificate in Electrical Power Engineering - Transmission and Distribution (2339-17) as both a structured, taught programme and as a distance learning course.



APPROVED CENTRE

This flexible distance learning programme is one of the only Level 2 qualifications that is specific to the power industry. It has been developed by the power sector to deliver the fundamental skills and knowledge required for career progression in HV electrical engineering.

The certificate is recognised by the industry's leading employers and has been designed to fit in with the demands of candidates' jobs. It enables learners to progress at their own pace, with self-study supported by online tutorials and assistance from academic and industry tutors.

Candidates can progress on to our City & Guilds level 3 Diploma in Electrical Power Engineering - Transmission and Distribution (2339-42).

For more information on our qualification courses call: 0800 028 9983 or email: powerskillscentre@eatechnology.com.

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Precolor: Specialists in WRAS approved water tanks

Precolor are the proud manufacturers of the largest range of WRAS approved water tanks in the UK. Precolor also offer a range of Semi Sectional Water Tanks and Sectional Water Tank Panels that can be made to specific sizes.

Precolor began as a partnership over 50 years ago and by 1975 were officially registered. Precolor are also a family owned company that have spanned a number of generations. Since their initial establishment, the company have grown considerably and in recent times, Precolor has begun to lay the foundations for the British and European standards.

Interestingly the company were part of the working group that drew up the standards that all approved water tanks now comply with.

Precolor are opportunely based in the Midlands, enabling easy access to all parts of the UK, including ports for exporting. Precolor design, manufacture and install all of their products, permitting control of production schedules and costs, whilst keeping overheads to a minimum. The company also champion invested into research and development to strive towards the introduction of new innovative solutions.

Moreover, Precolor's GRP one piece water tanks have been specifically designed to meet the stringent requirements of BS EN 13280: 2001. All of Precolor's tanks are also fully tested and approved for current water regulations and are specified throughout the UK by Country and District Councils, Consulting Engineers and Architects. In addition, Precolor's tanks are light in weight, easily handled and resistant to corrosion and attack from bacteria, which can be expected in cold water systems.

T +44 (0)1630 657281
www.precolor-tank-division.co.uk



Leaders in sanitation



The Midlands based company was first set up as a provider of sanitation, targeting the leisure and marine markets. However since then, the business has expanded year upon year and as such, the business now caters to a range of industries, including the domestic, commercial, industrial and welfare sectors.

Providing marine sanitation to include, complete packages, spare parts, service kits and tools, LeeSan not only supply to a vast array of different clients but also manufacture and provide design service, maintenance and technical support. They are strategically located in Warwickshire near major transport links with a warehouse in Fenny Compton that covers 6,500 sq ft of space. They stock a wide range of spare parts and accessories from all the biggest sanitation manufacturers worldwide.

LeeSan supply a large variety of different sanitation and plumbing components including: toilets, hoses and pipe fittings, tanks, spare parts for toilets and pumps, consumables, tank accessories, self-pump out kits, service kits, flush water treatments, water systems, bilge water filtration, seats and lids, waste transfer systems and a whole host more.

When it comes to sanitation solutions, LeeSan are a cut above the competition, offering equipment for log cabins, caravans, steam trains, event toilets, caravan toilets, corporate hospitality toilets in even the most remote locations. They also offer cutting edge pump out equipment, having worked with some of the largest and most prestigious marinas in the UK, Europe and the Middle East.

A part of LeeSan's reputability comes from the fact that they are members of British Marine and even have staff on the BM Council, BM Environmental committee, BM Thames Valley committee, the UK Harbour Masters Association and The Yacht Harbour Association.

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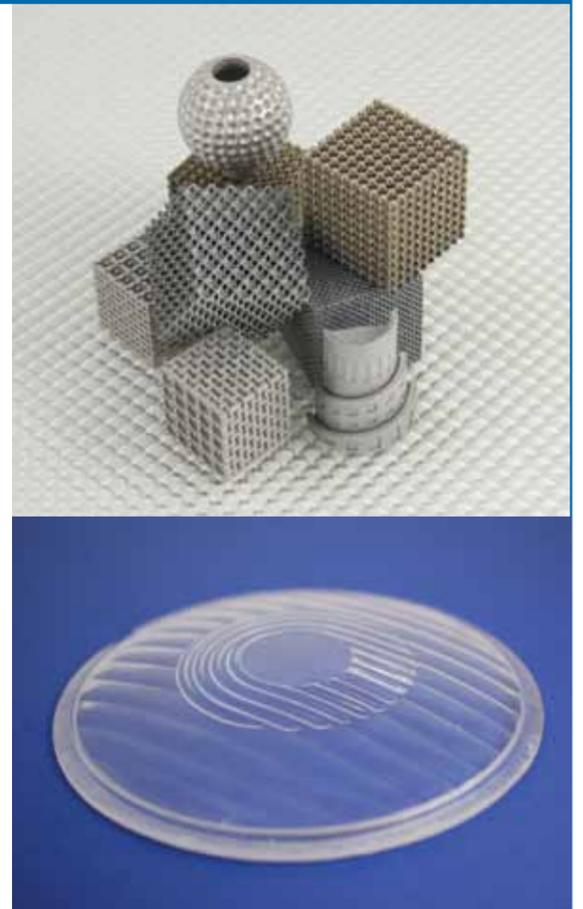
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Beast from the East laid siege at the castle

Situated in the heart of Warwickshire, Warwick Castle features a large estate of grounds and buildings dating back to Anglo-Saxon times. The grounds alone cover almost 3 square kilometres. The whole site needs patrolling and protecting to ensure that the site is safe and secure at all times, not just for the visitors but for the staff who come to work each day.

Snow had hit the site severely, meaning that it was closed to visitors.

Abdul Rassaq, who works for Security Services provider, TC Security Services, was on duty over this period.

An Every Day Thank You to...



Abdul Rassaq

for...

Being there as without you over the last few days we would definitely have been in trouble. You were the only constant within the team and just got on with the job at hand.



Many many thanks - you have been a star!!!

Not only did Abdul complete his usual patrols but he cleared footpaths and other areas of snow, to ensure that access for staff was safe at all times.

His contribution and commitment to employee safety has been recognised and duly noted by the site Operations Support Manager at Warwick Castle. Who said, "Abdul, I know I have already said this but also wanted to make the thank you official. Without you over the last few days we would definitely have been in trouble. You were the only constant within the team and just got on with the job at hand. You definitely stepped up when we needed you

too. Many, many thanks - you have been a star!"

Satia Rai, Senior Operations Manager for TC Security Services said, "I just wanted to send you a big thank you from both myself and the client for your exemplary service over these past few days. Your commitment to ensuring that the site was kept safe and secure during this spell was fantastic. You are a true asset to the company and I know that the client feels the same way. Thank you again and well done."

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Multi Service Provision

TC Facilities Management are industry leaders in cleaning, security and specialist cleaning provision. Having been set up over fifty-five years ago, TCFM has three distinct brands which are committed to providing a range of services to clients that are reliable, tailor-made and high quality.

Their cleaning services are used by clients up and down the country and are noted for their thoroughness and range of capabilities. Some of these services include day-to-day and janitorial cleaning, periodic cleaning programmes to suit the client, deep cleaning, crucial kitchen cleaning, builder's cleaning and more.

TC Security Services operate in a multitude of sectors such as automotive, retail, manufacturing, events, leisure, education and even local authority. They offer manned guarding services, effective security patrolling, trained in-store retail officers, robust events security, handy mobile patrols, alarm response and key holding. Renowned for these reliable security services, TC Security Services is proud to be rated in the top 2% of all SIA listed companies within the Approved Contractor Scheme in the UK.

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Website Update

To enable existing and prospective customers to see the full range of solutions it can offer, TC Facilities Management (TCFM) is inviting visitors to explore its recently refreshed website that is said to offer a more engaging experience with improved navigation and functionality.

The site includes extensive information to help visitors understand TCFM's complete range of both single and bundled services. This is brought to life with case studies and short video animations showing the company's capabilities across a wide range of sectors.

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sales@tcfm.co.uk
www.tcfm.co.uk

Franke Bearings Limited, 20 Year Anniversary



Franke bearings Ltd has been in business since 1998 supplying OEM Machine design/build companies throughout the UK & Ireland with Linear & Rotary bearing systems for all types of applications. Many of our products are stocked at our facility in Longridge Lancashire, & we ship to all parts of the UK & Ireland on a daily basis. We have a collective knowledge & experience of over 75 years in engineering machine build applications & can almost always offer a solution to your particular project or problem. We offer advice, catalogues & CAD files free of charge & are happy to quote for new applications & for replacement equivalent or alternative systems if required. We also have the backing of the Franke design team over in Germany who will design the bearing to your specification, you can email us with your enquiry or you can call Dave or Phil to discuss your project.

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Founded in 1977, Harry Vraets Machinery has grown to become one of Europe's leading suppliers of machine tools, covering everything from boring mills to lathes, cylindrical and roll grinders, milling machines, bed machines, machining centres and much more. HVM have a vast international presence, with offices and warehouses in the US, China, and India.



The Netherlands based company specialise in both used and new machinery and can supply standalone machines and also complete plants. Altogether, their new and used stock amounts to over 800 CNC and conventional machines.

The company are particularly proud of their lathe and milling machines. Back in 1989, HVM took over Mondiale Belgium, who had a glowing 90

years' experience as a lathe and milling machine producer. HVM and Mondiale have a state of the art 15,000m² warehouse containing 14,000m² of used machinery, and also a brand new 1,000m² machinery showroom.

Their horizontal boring mills are among their best selling items, with a number of key features such as metallic way covers, out riggers, hardened bed ways and pendant control. The vertical boring mills are available in both CNC and conventional styles, with the CNC vertical boring mill sourced from trusted names such as Schiess Froiep, Sedin, Jungenthal and Hankook.

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CG Automatic Converting Equipment Ltd: Coreless, Slitter & Rewinding

CG Automatic Converting Equipment Ltd manufactures and markets a wide range of semi and fully automatic converting machines for plastic films, aluminium foil, paper and adhesive tapes, as well as offering custom designed machines and packaging equipment to suit individual customer's needs.

Prestretch machines
As film technology has advanced over the past 15+ years, CGA have continued to design & develop its prestretch machinery to take advantage of these new films. CGA now have a range of machines from a simple semi automatic rewind machines to

sophisticated automatic cells, to produce prestretch rolls, which can be converted into various industry standards.

Stretch film machines
For the past 28 years, CGA have been supplying,

from its Leicestershire base, equipment into the converting industry to convert jumbo rolls of stretchfilm into smaller rolls for various uses, including machine rolls for pallet wrapping machines, hand rolls for warehouse operatives, spiral wrapping rolls & mini reels for everyday use.

The machines range from simple semi automatic rewind machines to sophisticated automatic cells.

Coreless Stretch Film Machines
Manufactured on newly developed equipment, using a patented system, the rolls are produced without the traditional cardboard core offering many advantages including, faster production, lower cost and most importantly major environmental benefits.

Cored or Coreless
Whilst CGA do offer specific equipment for cored or coreless rewinding, their newest range can produce both types of finished products. The machines can be purchased as a single product type, a combined product type or can be converted at a later date. Flexibility is the key!

Miscellaneous and Specials
CGA can design and build a machine to your requirements, whether it's to speed up a labour intensive process, cut down on operator injuries or the risk of repetitive strain injury claims. In the past, CGA have designed, built and installed major machine lines into various industries including the motor trade, injection moulding plants, the pharmaceutical industry, assembly lines and even manufacturing paper doilies! Their customer base covers various industries who have all had very specific application requirements.

T +44 (0)116 2760206
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Sole UK & Ireland Agent & Stockist for Franke Bearings

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Please visit www.frankebearings.co.uk
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CG Automatic Converting Equipment Ltd manufactures and markets a wide range of semi and fully automatic converting machines for flexible films, aluminium foil, paper and adhesive tapes, as well as offering custom designed machines and packaging equipment to suit individual customer's needs.

CG Automatic Converting Equipment Ltd has developed and expanded to meet the needs of a demanding market place, providing a wide range of converting solutions for all of its customers. A large percentage of the company's products are exported, indicative of our high levels of service, quality and reliability. The in-house design team understands and maintains international quality standards, ensuring that all of the equipment meets CE safety standards and legal requirements.

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Muller Coax: Leading Valve Technology

Muller Coax are the original designers and manufacturers of coaxial valves having established the company and product in 1960 and are established in many industry sectors supplying valves to many diversified blue chip companies and organisations worldwide including Siemens, Rolls Royce, BNFL, and many automotive plants where the valves are specified for use.



From their head office and main manufacturing plant in Germany, Coax have wholly owned companies in USA (also manufacturing base), UK, Spain, Italy and China, and distributors worldwide to support our customers wherever they may be.

Muller Coax product range includes products for many industry sectors including, power generation automotive plants, nuclear industry, military, pumping applications, machine tools.

Valve range have valves for medias up to 500bar, 2/2 and 3/2 function, Atex compliant, fast reaction time, various body materials, position indication and all are SIL2 rated as standard.

For more information about Muller Coax valves, please visit our website at: www.co-ax.com or contact: john.osborn@coaxvalves.co.uk.

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with the user experience and results being the driving force behind the design.

Biopharma has actively produced and continues to invest in the development of the most advanced analytical instruments

available to individuals using freeze-drying technology. Biopharma is perhaps the only company worldwide working in the field of freeze drying that, in addition to research services and training programs, develops unique analytical instruments to advance the science of freeze drying. Biopharma's product portfolio has recently integrated the new Freeze Drying Microscope

Lyostat5, with upgraded features along with the next generation Electric Impedance Analyser, Lyotherm3, which has unmatched sensitivity to detect crystal mobility and hidden structural rearrangements.

We asked Charis of Biopharma Group what the company's aim is, she responded, "Our aim is to provide our customers with equipment and/or services that best meet their process requirements while remaining on-hand to provide advice and assistance thereafter; it is our expertise and ability to be a 'one-stop shop' when it comes to freeze-drying technology and lab processing equipment that keeps Biopharma at the forefront of our field."

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Deep Hole Drilling Specialists

Here at Best Practice, we are dedicated to shining a spotlight on the very best companies that can demonstrate exemplary practices and unrivalled solutions. As such, we are proud to present Unisig with this issue's **Best Practice Recommends** profile.



UNISIG was established in 1981 by the Swiss Industrial Group (SIG) which was a member of the VDF Group; the company has since then been acquired by Entrust in 1995. With the head office, production centre and engineering centre based in Menomonee Falls, USA, and the sales and support office for Europe is based in Germany, the

company specialise in deep hole drilling machines and services for machines, tools and automation.

Customer service is at the heart of the company; UNISIG is proud to say that they have a customer base across

many sectors and industries such as oilfield, aerospace, defence, hydraulic cylinder production, automobile industry. The company provides nothing but the best service for all of their customers, whether it is general advice before purchasing, at the time of purchasing or even after service.

UNISIG have completed turn-key projects that have allowed them to gain knowledge and confidence in helping the company take on any takes within the deep hole drilling industry.

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The best labs choose Lemman Instruments

Leman Instruments is a European enterprise known for their high performance products specifically designed for solid, liquid and gas analysis. Leman has a cost-effective approach and offers technology-centred gas generators for use in laboratories, air quality monitoring and more.

Based in Archamps Technopole in France, Leman Instruments was first established back in 2012. The team has over thirty years of business practise which goes into Leman, making it one of the most reliable and trustworthy figures in the industry.

Leman Instruments has a wide range



of products and services, from various modules in different designs, all of which have an involvement with high purity Hydrogen (H₂), Nitrogen (N₂),

Zero Air. They also have combined solutions for FIDs, GCs, purge Air generations, CH₄ & CO₂ scrubbers, N₂ and multi gas for LCMS. Their products also feature the possibility of AK protocol integration.

Their products can also be seamlessly controlled using a touch panel or iPad due to the innovative Proton Exchange Membrane (PEM), Pressure Swing Absorption (PSA) and Catalysis, in addition to being simple to install.

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Ammonia filtration key to efficient antibiotics production

Amazon Filters has installed a combination SupaPore FPW/SupaPore VPBA filtration system at a leading antibiotics manufacturer's fermentation plant enabling them to reduce production downtime resulting in significant cost savings.

Efficient antibiotic production requires the use of high-quality ammonia to adjust the pH of the fermentation process. Yet, the antibiotics manufacturer was receiving batches of ammonia of varying quality, which required sterile filtering before

use. Despite this precaution, the manufacturer had to replace blocked final membrane filters on a daily basis resulting in unacceptable levels of production downtime and the high costs of replacement filters.

After studying the production process, Amazon Filters recommended using a SupaPore FPW pre-filter to protect the final membrane filter the SupaPore VPBA replacing the customer's existing final filter, with a micron rating of 0.2µm. This membrane filter is specifically designed to meet

the demands of pharmaceutical producers requiring efficient and reliable microbiological sterilisation and bioburden control - essential factors in antibiotic production.

T +44 (0)1276 670600
www.amazonfilters.com



Hygienic housing for critical aseptic liquid filtration applications

The 76B Series single cartridge housing from Amazon Filters is a high-quality product specifically designed for aseptic liquid pharmaceutical and healthcare filtration applications. The vent and drain connections on the 76B Series housing can be customised from a wide range of options to provide an optimised filter housing for your application.



The housing is designed and manufactured to provide crevice free sanitary finish with all internal surfaces having a 0.4µm RA value making it an ideal choice for critical liquid pharmaceutical or healthcare applications, where a standard finish is simply not good enough. The hygienic design of the 76B Series housing is easy to clean after use ensuring quick turnaround between processing of batches. Designed to be easily sanitised or steam sterilised prior to use - the 76B Series housing ensures that the sterility of your process is maintained.

For further information on the 76B Series filter housing, please visit: <https://www.amazonfilters.com/products/filter-housings>, contact Amazon Filters on: +44 (0)1276 670600 or email: sales@amazonfilters.co.uk.



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Manufacturers of slitting, winding and spooling machinery to the international converting industry

Converting Equipment Manufacturers



Established in 1999, Alpha are experts in the design and manufacture of converting equipment such as spooling machinery and slitting machines. Our machines are manufactured for the international converting industry but mainly used by printing and packaging companies across the world.

The team of specialists at Alpha all have years of experience assembling converting machines which includes equipment such as slitting machines,



winding equipment, spooling machinery, salvage doctor machines, trim winders, and even bespoke converting equipment.

Over the years we have manufactured many different machines and equipment that are used for the converting industry. It all started with the high speed spooler which launched in 1999 to the more modern pieces of converting equipment like the automatic winder and the traversing spooler.

Amazon Filters and Britvic strengthen working partnership

Amazon Filters has received a supply chain contract renewal from leading soft drinks company - Britvic.

Having partnered with Amazon Filters for nearly a decade, trust in the company's understanding and knowledge of their beverage filtration processes were key to Britvic renewing this longstanding contract.



Britvic has used Amazon's filtration products across the majority of its plant operations, and at every stage of the beverage filtration process to ensure its portfolio of internationally renowned soft drink products are delivered clear and bright to their customers.

Specifically, Britvic valued Amazon Filters' strong understanding of the importance of particulate and micro-organism control including the prevention of Cryptosporidium contamination in water-based beverage products.

For further information, please visit: www.britvic.com

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*IEEE Transactions on Industry Applications. (Volume: 38, Issue 6, 2002)

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