

INDUSTRIAL SOLUTIONS UK

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ABACUS FLOORING SOLUTIONS HAS MADE HISTORY INVENTING A WAY TO USE WASTE PLASTIC

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Alugate: Bespoke Premium Aluminium Gates

See them on the front cover in
BUILDING UPDATE

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Including BUILDING UPDATE

Featuring a wide variety of companies from across the UK and Europe, from Builders to Landscaping.

Editors Comments

Hello & Welcome to Issue 664 of Industrial Solutions UK!

The team at Industrial Solutions UK has been working extremely hard to bring you an issue that is full of innovative and exhilarating companies and we are very excited to share their success and achievements with you.

We have searched the length and breadth of the UK to bring you some of the most ground-breaking innovations and this month, we are overjoyed to be highlighting the activities of Weber and Abacus Flooring.

Firstly, we would like to focus on the accomplishments Weber who this month features on page 5!

Secondly, we are featuring Abacus Flooring with the 'Flooring Solutions' profile following their impressive performance over the years. For more information, turn to page 12.

I hope you enjoy reading this issue of Industrial Solutions as much as we have enjoyed bringing it to you. Happy reading and we hope to see you for the next edition!

Ian Hayward, Editor
INDUSTRIAL SOLUTIONS UK

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Hydraulics & Pneumatics

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BTM Automation Products (UK) Ltd is a specialist provider of sheet metal clinching machines, hydraulic press machines and pneumatic press machines, and has encompassed over 40 years of experience within the industry and offers unrivalled complex designs and high-quality standards within a global market.

BTM Corporation of Marysville, Michigan was founded in 1966 by Mr. Ed Sawdon & Mr. Milus Allison as a manufacturer of bending machines for the automotive and appliance industries. The initials BTM were coined as an abbreviation for 'Bending Tools & Manufacturing.'

From simple tools to advanced automation, BTM supplies solutions for its customer's production requirements in mechanical joining technology, and these may range from standard tools to modular handheld tools up to customised systems.

The company places particular emphasis on providing support to all customers. From the production of prototypes and support for a clinch optimized process, with professional engineering and during the whole general project support from the first sampling to delivery and maintenance, it works closely together with customers.

From initial enquiry through to commissioning, BTM offers a full and complete package. Its expert specialist engineers are trained in the automotive, lighting, heating, white goods and many other industries. The company's main

product is its flagship technology 'Tog-L-Loc', the sheet metal clinching technology that is simple, economical and an efficient solution to your metal joining needs. After the introduction of the original toggle press Mr. Sawdon developed Tog-L-Loc as an alternative to spot welding, riveting and other conventional methods of joining.

Other innovative products from BTM include VLOC™, The Oval-Loc™, and the Lance-N-Loc™, all of which offer slightly differing benefits and additions to the trusted Tog-L-Loc® and can be used in different ways for different materials.

BTM (UK) Automation Products Ltd is a rapidly growing force in the drive for world class product quality and reduced production costs in manufacturing today.

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Below are typical examples of how Tog-L-Loc® can also save on the cost of consumables such as rivets, nuts & bolts, weld tips and adhesives.



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Direct Hoist's vast expertise is equalled only by the firm's impeccable reputation for safety. Direct Hoist's long association with up-to-date German GEDA machinery has now been boosted by becoming the UK distributor of Electroelsa construction hoists and platforms – an Italian brand with market-leading features for worker protection.

Electroelsa's impressive range of mast-climbing work platforms (MCWPs), transport platforms, material hoists and construction hoists adds to Direct Hoist's ever-expanding fleet of modern machines, which includes scaffold hoists, mast-climbers, gantry hoists and tile hoists. From 150kg hoists to 3,700kg transport platforms, Direct Hoist's fastidiously-maintained fleet is available for sale or hire throughout the UK.



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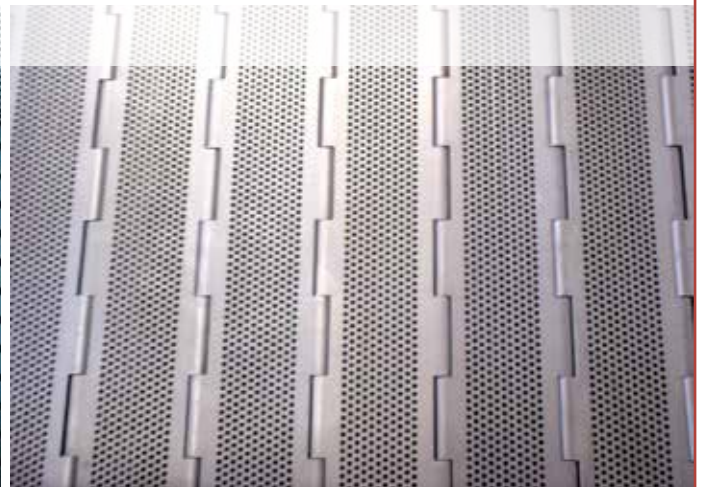
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Industrial Processing



we make ideas come to life



Industrial Processing

Industrial Processing includes a vast range of potential applications for perforated products. RMIG has extensive experience in the chemical, pharmaceutical, paper, and offshore industries, to name a few. From small, high precision perforation in thin materials to large holes in thick sheets used in the mining industry, RMIG has the knowledge, versatility, and tooling to deliver products according to customers' requirements.

One particular area of Industrial Processing is dealing with waste water. The water industry presents a number of unique challenges in the use of perforated products.

A key consideration here is the aggressive nature of the water towards the materials being used. RMIG has vast experience in servicing the waste water industry, and produces high flow, burr-free perforated waste water screens, offering accurate screen tolerances and effective separation.

Another area of Industrial Processing is medical and pharmaceutical,

where RMIG's perforated materials are able to give firm tolerances during their manufacture, and are well suited for use in sterile environments.

RMIG's perforated products also have numerous uses in the petrochemical sector, from industry specific applications such as filtration, to oil and gas exploration, as well as more general applications such as walkways in processing plants.

Additionally, RMIG works with biomass drying applications. The demand for alternative sources of sustainable and renewable energy is always growing.

RMIG's Bridge Slot sheets are the most effective way of drying woodchip to an optimum moisture content, ensuring boilers operate efficiently to benefit farming and agriculture.

Bridge Slot

The RMIG Bridge Slot sheets play an essential role when it comes to

the design and manufacture of biomass drying floors. The combination of sheet thickness and opening size allows RMIG's sheets to be used either as a suspended floor in wood chip drying containers and trailers, or as drive-on drying floors in outdoor buildings.

The bridge slot opening size determines the products that can be dried, which range from fine oilseed rape through to larger grains and cereals, as well as logs and wood chip drying.

Food Processing

RMIG's Food Processing market sector meets the high levels of hygiene demanded by the food processing industry. Perforated screens are also strong with important thermal capabilities, making them useful for a wide range of food processing applications. RMIG's tailor made perforated solutions are ideal for cleaning, heating and steaming in food production environments. Whether it's baking trays, cereal cleaning or ingredient conveyors, all of RMIG's perforated materials can be customised for each application.

For more information, please visit: www.rmig.com, telephone: 01925 839610 or email: info.uk@rmig.com

How has global conflict affected freight?

2022 has seen the world sadly troubled by global conflict. The war in Ukraine has had shocking scenes with lives lost and buildings destroyed. It has had a massive impact on the world, and has also had a detrimental impact on the movement of freight.

It hasn't been the best year for freight regardless. Although recovering from the COVID-19 pandemic with restrictions all over the globe, whether it be warehouses with staff isolated to entire port closures in which vessels could not call it has all made it more challenging to be able to import and export goods. The cost of living crisis is massively affecting the supply chain, consumers not being able to afford to buy goods, which means suppliers then cannot afford to import & export as many goods as they usually would. Port strikes in the UK in Seaford and Felixstowe has led to port congestion at various ports around the country, making it that little bit more difficult to move goods efficiently. Finally, with the full effect of Brexit now kicking in, it is now a more time-consuming process to import & export with the European Union.

Russia's invasion of Ukraine has had various impacts on various different industries, freight & logistics being one of them. The port of Odesa was shut down for almost 6

fuel costs due to the lack of gas and oil have been passed onto importers, as this is impossible for hauliers to absorb the charges themselves. With some hauliers charging up to 35% extra in fuel surcharges, the cost-efficiency of transport isn't what it used to be. A solution needs to be found and it needs to be found sooner rather than later if transportation costs have any chance of reducing to a more reasonable cost for manufacturers to be able to confidently move freight worldwide.



Europe, along with many parts of the world, are cracking down on Russia, to the benefit of Ukraine, and morally it is more than the right thing to do. The industry is trying once again to flourish after it has survived several hurdles the past few years, many other industries haven't been able to survive the COVID-19 pandemic, but with freight struggling through it and now slowly picking back up, the question we really have to ask is – will the world ever be normal again?

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months after the city was hit with Russian missiles. Ukraine is a big part of the global food industry, exporting grain via sea out of Odesa. With this coming to a temporary halt, global food prices shot up with the limitation of grain available to make food. Other methods of transport have been used, but the difficulty of travelling through a war torn country, as well as then having to take a longer route to the final destination, is coming at a cost to the consumer.

A major development in the war was the battle of Antonov Airport, which led to the sheer destruction of the world's largest cargo plane – the Antonov AN-225 Mirya. This was a significant event in the war and which



has caused major consequences in shipping out-of-gauge and heavy cargo. The aircraft's last mission was shipping 90 tons of COVID-19 testing kits from Tianjin, China, delivering in Billund Denmark. It shows the big humanitarian impact the plane had on the world. The plane was set to be evacuated on the day that Russia invaded the airport; it was seen as a key target by Russia. Several other aircraft that were part of the Antonov family were destroyed by Russia in what seems like was a purposeful attack. Russia are clearly trying to hurt Ukraine's air cargo sector, which in turn will hurt consumers all over the world. Humanitarian relief is also going to struggle to be distributed, it really does make you question the morals of the attack. A rebuild has been planned however, which is set to cost 3 billion US dollars, and take place over 5 years. However, the biggest cost will be to Ukraine's air cargo sector, which will lose many million more due to the loss of the aircraft.

The lack of gas and oil in the industry is solely responsible for by this war. Russia is one of the main suppliers of gas and oil to the rest of the world, most of the other countries of the world are mercifully standing with Ukraine and looking to aid Ukraine in some way to help limit the damage the country is taking, physically and economically. This has led to Russia not supplying gas and oil to Europe and instead sending it to India and China. European haulage is effected by this hugely. Rising

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Make the Wise choice!

Based from its location in Hull, Wise Global Training provides online health and safety training courses which are accredited by NEBOSH and IOSH. Boasting many benefits, eLearning is a modern, efficient and cost-effective solution for health and safety training. The company caters for individuals all the way up to global organisations such as UNIDO and multi-national companies such as Smith and Nephew.

With a whole host of achievements, Wise Global Training has been recognised for numerous awards including:

- 2020 Northern Enterprise Awards – eLearning Company of the Year - North East England
- 2019 SME News UK Enterprise Awards – Best Health and Safety Training Provider
- 2018 CV Magazine HR & Training Awards – Best Health & Safety eLearning Specialist – UK
- 2018 Yorkshire & The Humber Enterprise Awards – Best eLearning Training Course Provider
- Global CEO Excellence 2021 Awards – Best Health and Safety Training CEO (UK), Dave Newgass
- East Riding of Yorkshire Global Business Insight 2021
- Most Outstanding Health and Safety Training Provider and Education and Training Awards 2021 – Health & Safety Training Provider of the Year – UK.



All of the training courses were written by trainers, with learners need's in mind. This ethos has enabled Wise Global Training to be able to provide material that contains the right tools and skills, to assist its clients to engage with the subject and course material. Full tutor support is guaranteed at no additional cost and its flexible approach allows users to study at their own pace. The courses are easy to access, and Wise Global Training also holds an impressive 100% Pass rate on IOSH Courses.

If you would like to find out any more information, please see the details below:
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Independent Financial Adviser in Berkshire

Tony Welsh is a self-employed, independent financial adviser who offers advice across the whole of the market. As an independent business, Tony Welsh offers an unbiased approach to personal protection, investments, and mortgages including equity release, pre and post retirement planning, inheritance tax mitigation and care fees planning.

Regulated by the Financial Conduct Authority, Tony has over 25 years' experience as a financial adviser and boasts extensive knowledge and expertise in the sector. Tony Welsh works with clients from all ages as well as individuals, families, people in employment and retirees.

Tony commented, "One of the ways I grow my business is by referrals. If you know of anyone who might benefit from my services, please pass on my details or let me have their contact details. I am part of a business network referral group and personally know reliable and trustworthy people that can help you across many



fields. I have worked with mortgage brokers, solicitors, will writers, accountants, plumbers, web designers, builders, electricians, heating engineers, design florists, kitchen refurbishers, domestic and commercial cleaners, odd job men, energy consultants, estate agents, interior designers, and many more. Please don't hesitate to reach out."

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Weber Packaging Solutions is a leading innovator in the design, engineering, manufacture and supply of high-performance pressure-sensitive labels, labelling systems and continuous ink jet systems. For over eighty years, it has been bringing innovative products to customers and helping them to solve their labelling and coding problems.

At its 5,000 square-metre manufacturing and customer service facility, its knowledgeable staff are capable of addressing all labelling and coding requirements. The countrywide network of sales, customer service and technical support specialists, in addition to its constant commitment to quality, has maintained the company's position as a reputable leader in the industry.

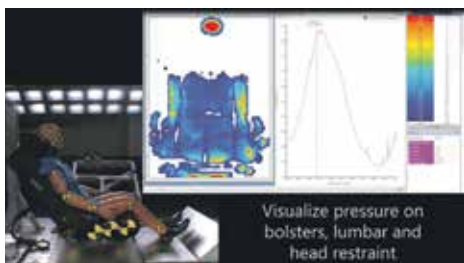
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Providing solutions for your force or torque measurement applications

Interface Force is an internationally recognised brand and decades of experience have gone into making Interface manufactured load cells the benchmark for thousands of users around the world, and Interface Force Measurements was established in 1996 by Neil Johnstone.

Based in Crowthorn, Berkshire, Interface Force distributes to the whole of the UK & Ireland, but also overseas, especially into Turkey, Greece and the Middle East. The company is a primary distributor for Load Cells manufactured by Arizona-based Interface Inc., and it also supplies their Torque Transducers, associated electronics, multi-access Load Cells and the XSensor Pressure Mapping systems.

The global Interface Inc. is represented by a large network of distributors outside of the US, and they have requested products that are designed and manufactured in metric, with the precision and accuracy of all Interface products. These products are designed for an international buyer and user, and all specifications are in metric specs, a global standard for force measurement products.



Interface Force work mainly with aerospace, automotive, and motorsport companies, and Business Development Manager Tony Rokins told us, "We work closely with companies which are undertaking research into product development, and so this includes universities and also medical companies who need load cells for weighing saline bags – we have a very wide and varied client portfolio."

In this crowded industry, Interface load cells and torque sensors have a hard-won reputation for reliable, accurate and repeatable test results. The range of pressure sensors and pressure mapping systems from industry leaders GP50 and XSensor back this reputation.

Tony continued, "With regards to force measurement, our load cells are preferred by aerospace companies because they are highly accurate, and the results are very repeatable. Also, the devices themselves are extremely reliable and so they are looked on very favourably by both automotive and aerospace manufacturers in particular."

Interface Force is currently re-launching its XSensor High Speed Pressure Mapping System – the company offers a range of pressure mapping systems that can be applied to anything from impact testing to pressure testing tires, runways, beds, seats and much more. The XSensor system is the first system design to allow product designers and safety testing engineers to see, record and evaluate the distribution of force from high-speed impacts on safety equipment such as helmets and body armour.

The system is particularly popular with automotive and aerospace seating manufacturers as evaluating the performance of helmets and other protective equipment designed to prevent injury requires detailed understanding of the pressure distribution on the body surface during dynamic impacts. Xsensor's high speed HS Impact system combined with the thin conformable sensors allows customers to accurately measure those pressures and evaluate how different design configurations affect pressure distribution on impact.

In addition to this, the system is also used by manufacturers of office seating, companies that develop seating for the home, and bed manufacturers.

In spite of its success in the industry, Interface Force is very much looking to future development. Tony informed us, "We are building new Applications which are based around renewable energy, and we are also developing

Cloud-based, Wifi and Bluetooth data acquisitions by making our devices wireless. This would mean customers being able to collect data from anywhere in the world via an App."

This ever-growing comprehensive range of indicators, signal amplifiers, data loggers and wireless transmitters has been designed to complement the extensive range of

load cells, torque transducers and pressure sensors, and the range has developed to ensure that customers have access to the most accurate, up-to-date, and cost-effective devices available.

Another new development is in the Airport environment, where Interface Force have begun to provide wireless monitoring of equipment on, for example, luggage

carousels, and this product among many others have helped Interface Force to have a very successful past 12 months especially.

For more information, please see below:
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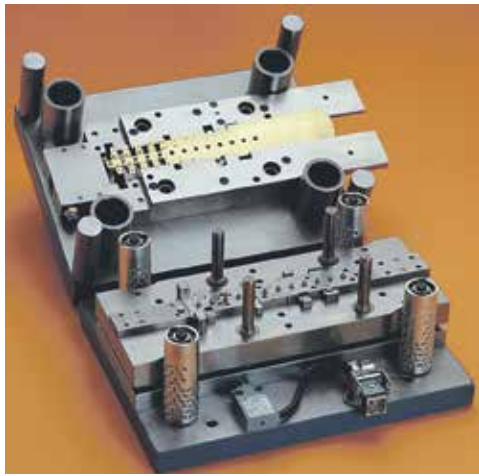


Manufacturers of the largest spring range in the country

Operating from two locations across England, with manufacturing facilities dedicated to spring, wireform and metal pressings production in London and Cornwall, its sister company Metrol, is based in Northampton and specialises in gas struts and supplies its standard stock and gas springs. Overall, the company has a manufacturing capacity of over 7,000m².

From sales, customer service, design, tooling, prototyping, R&D testing to full production, it offers a complete design and manufacturing service for bespoke and standard metal springs, pressings, wireforms, coil and gas springs.

"We are proud to be part of the Lesjöfors Group, giving us the capability to



manufacture and distribute across the world. Lesjöfors have manufacturing or sales offices across Europe, Korea, China, Thailand, Singapore, Mexico and the US. Thanks to Beijer Alma – our parent company's international connections, there is virtually no limit to the number or size of products or orders we can produce," stated Liam Bland, Marketing Manager.

European Springs and Pressings Ltd was established in 1948 and has been in operation for over 70 years. With all sites serving customers in the automotive, telecommunications, aerospace, defence, hydraulics, domestic appliances, nuclear, electrical switch gear, lighting and controls, scientific medical and pharmaceutical industries, due to the company's extensively equipped manufacturing plants, it can offer a wide variety of products and services across a plethora of industries.

"Our high-speed press components which support up to 130 tonnes allow us to offer the UK's widest range of compression springs, gas springs, torsion springs and tension springs. Thanks to our automated machinery and



experienced engineers, we are able to produce over 12,000 items from our stock catalogue at extremely competitive prices," said Liam.

Offering innovative solutions when accuracy is everything, European Springs and Pressings Ltd offers an unrivalled custom-tailored manufacturing

process and in-house design service for its customers. Liam explained further, "We offer design programs complete with CAD/CAM software and systems that help clients realise a range of prototype ideas which can be individually cut using precision lasers for R&D testing or put into full production. Our fully equipped tool room can design and build any production tooling needed, assuring



competitive pricing and consistent quality supply. We continually invest in cutting-edge technologies, such as our recent acquisition the Bruderer BSTA 410-110B2, to ensure that our processes are streamlined so that we can effectively deliver even the most demanding of jobs."

In the future, the company will continue to build upon its strengths by offering the most complete service to its customers. In closing, Liam mentioned, "We have been building on the mutually supportive relationship between ESP and our sister company Metrol to generate better cross-company sales and communications, as well as promoting collaboration across our parent company Lesjöfors to foster and embed a culture of co-operation and engagement."

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BUILDING UPDATE

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Eco Clipper FM4 Sport for sporting grounds

Eco Clipper offers large area mowers that help Field Managers minimise mowing costs while producing a clean cut result. The Eco Clipper mowing system was originally developed to replace the cylinder mower in turfgrass production. The goal was to maintain the cutting performance of a properly tuned cylinder mower, but not the high maintenance requirement and sensitivity to mowing conditions, like wet grass and weeds.

The system

The smooth cutting decks with fast rotating small blades ensure a high quality of cut and a good distribution of the clippings. The clippings are also well spread in wet grass. This makes it possible to schedule this mower almost independently of the weather.

Due to the electrically driven blades, the mower is very economical and quiet. The large wheels and clever deck linking system ensure good



contour following and enable high mowing speeds.

Municipalities and sports field and park managers have also discovered the ad-vantages of the Eco Clipper mowing system. For them, Eco Clipper offers the EC-FM4 Sport. This 4.11m wide mower has four independent cutting decks. The forward position provides excellent visibility and comfort for the tractor operator.

The benefits

Users report high productivity gains, a factor two compared to 5-gang self-propelled cylinder mowers, and appreciate the low maintenance and the ability to schedule the mowing even under less favourable mowing conditions, such as early morning dew and wet autumn.

For more information, please contact: info@vanmac.co.uk or visit: www.ecoclipper.com



Alugate: Bespoke Premium Aluminium Gates



Aluminium gates are an increasingly popular gate choice, but with so many options available, how do you choose?

Like any type of gate, aluminium gate prices vary considerably depending on the options you choose.

Aluminium, as a raw material, is generally more expensive than steel but because aluminium has outstanding strength and durability, a gate made in aluminium will last far longer and it won't need any maintenance.

There are many types of aluminium gates available from bolted, bonded and screwed to fully welded gates, and in different profile thicknesses. A bolted gate will cost less than a fully welded gate because of the manufacturing process. A thicker profile means more aluminium therefore a higher price.

Alugate's Managing Director, Stewart Phillips, explains, "If you want an aluminium gate that will last a lifetime, a fully welded gate with a 3mm profile is the perfect

choice offering superior strength and durability.

"At Alugate our welded aluminium gates use 3mm aluminium profiles so they're extremely strong, which means we can manufacture larger gates; up to a 10m opening on swing gates and 8m on a sliding gate.

"Our innovative manufacturing processes combine an internal weld so that water is not retained, a 3-step sanding process ensuring a smooth surface that is perfect for powder coating and super durable Qualicoat class 2 powder coating so they are fully resistant to corrosion – so that you get the very best gates."

Alugate aluminium gates are custom made and they also offer a free bespoke design service. With a 10-year warranty, an aluminium gate from Alugate will stand the test of time.

Take a look at the new Alugate gate collection at: www.alu-gate.co.uk or give their expert team a call to discuss your requirements on: 0114 3499599.



UNISIG
see them on.....IV-V



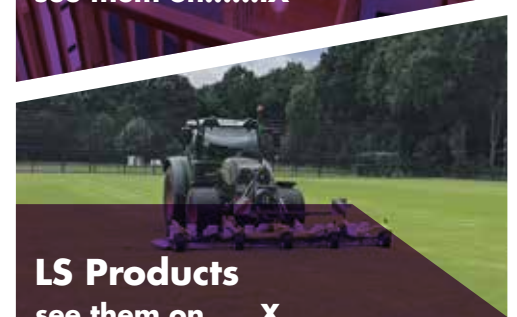
CheckedSafe
see them on.....VI



Vandecasteele
see them on.....VIII



Blue Run Ltd
see them on.....IX



LS Products
see them on.....X



Tuff Waterproofing
see them on.....XIII



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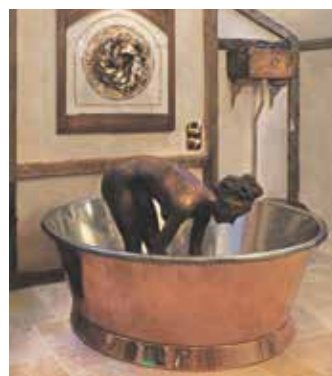
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Leander Architectural are expert design manufacturers of bespoke signage, bandstands, railway columns, gazebos, street furniture, wayfinding signs with a heritage restoration consultancy. The niche services offered are an eclectic mix of, blacksmithing, iron restoration, clay sculpting, decorative and structural iron, steel, and non-ferrous fabrication, metal casting for commercial trade, heritage and railways and private customers.

The Royal Label Factory was established during the reign of Queen Victoria in 1874 and even manufactured labels for the spectacular gardens of Queen Victoria herself. The prominent company progressively became a leading UK street signage manufacturer.

Leander Architectural was founded in 1986 and in 1998, the two businesses joined forces to become a phenomenal UK powerhouse in the world of architectural metalwork, manufacturing bespoke aluminium, steel, bronze and iron products.

Situated in the village of Dove Holes, near the Georgian spa town of Buxton in the High Peak District: Leander Architectural offers world-leading commissions from its on-site foundry and workshops.

The team at Leander take such artistic pride in their work: utilising both modern techniques like waterjet cutting and computerised graphics, combined with more traditional skills such as clay hand-carving, resulting in a truly unique architectural metalwork portfolio. Many customers are repeat customers, trusting the highly skilled professional approach and end results.

Recent prestigious projects included designing new cast iron columns to repair a roof structure and replicate original features at an operational railway station: designed and built during the Victorian era as Managing Director, Gareth Roberts explains, "Several of the cast iron columns were cracked and needed replacement, due to ground subsidence. The damaged sections of cast iron columns were removed, then new ones installed, without removing the roof. Our skilled engineers worked with the prime contractor to carry out the design and

manufacture, smoothly and efficiently, allowing the busy commuter station to carry on working without significant disruption."

Leander has an extensive back catalogue of casting patterns and designs for bandstands, structures, columns and many other products, but are always more than happy to offer bespoke services too.



Other high-profile projects include the installation of new canopies at the luxury Savill Court Hotel in Windsor, rebuilding the original staircase balustrading in eight stairwells, with modern adaption of the handrails at the Buxton Crescent Luxury Spa Hotel and installing new bespoke decorative metalwork within the new 'Sprague Terrace' between the Sondheim and Gielgud Theatres in London's West-End.

With a combined history dating back almost 150 years, this leading architectural metalwork company offers unrivalled expertise across a multitude of modern and heritage building designs.

The team use 100% British raw materials and recycled aluminium, supporting the local and national economy and trading with a reduced carbon footprint.

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Fisher & Company have been manufacturing and designing their own products for over 40 years. Products for the highways & streetlighting, outdoor power, leisure and sports facilities, car parks, markets and now EV charging. They also make bespoke products for customers where particular requirements are specified.



The Somerset-based company is a leading supplier of Feeder Pillars and Wall Boxes, Sign & Light Brackets, Belisha & Refuge Beacons: mains & solar and electrically insulated digging tools.

Since gaining their ISO 9001:2015 Quality Accreditation during Lockdown, Fisher & Company have added to its list of overseas customers: exporting to new countries including Cyprus and Hong Kong.

2022 has been the busiest year on record, with several large UK projects.

Interest in Fisher & Company's two main products: Belisha Beacons and Feeder Pillars has increased from new companies. These include: schools, hospitals to commercial developments, all discovering the high-quality service and products meet both their specifications and quick delivery expectations.

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Bright Ideas Development: Consultancy for Housing Developments

Established in 2017 by Martin Hawthorne and Ray Priest, North-East based Bright Ideas Consultancy & Development has two main strings to its bow. Firstly, the company offers consultancy advice to housing associations, local authorities and developers who are looking to build housing, and secondly, BICD undertakes developments itself and then sells them on.

The team at Bright Ideas is delighted to announce that the first 22 new homes have



been completed and handed over to the client. Comprising 16 houses, 6 x 2 bed apartments, the first



phase is complete and already delighted residents have the keys and are enjoying their new homes.

A further 45 apartments will be ready in May meaning not only will Bright Ideas played its part in helping 61 families but also helped significantly regenerate this part of the historic town of Middlesbrough.

All the homes are heated with low carbon air source heating ensuring that Bright Ideas is playing its part helping the environment too.

For more information, please see below:
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Elevate is a complete management system, specifically designed to ensure the smooth and professional running of businesses.



Elevate was designed by Steve McGowan, who maintains over 35 years' experience in construction, and duties ranging from Managing Director, Consultant, Troubleshooter, Senior Project Manager and Design Co-ordinator.

Elevate is an innovative, hub of information that enables businesses to use proactive management instead of reactive management. Simplifying management, Elevate has automated as much of the process as possible, increasing the productivity and reducing down time and work load of employees.

This helps to ensure that works are completed correctly and on time, improving performance, quality and providing a stress-free management solution.

Elevate has been designed to be extremely user-friendly and offers the latest features, such as the automatic programme, valuations and cash flow forecasts.

With some many unique, advanced features available, Elevate is able to offer a comprehensive package by linking them together to provide its customers with a full solution.

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Leading the way in deep hole drilling

At Industrial Solutions, we take pride in showcasing the very best services provided by companies that provide a wealth of benefits for their industry. As such, in this issue we are proud to announce that we have selected UNISIG as our Deep Hole Drilling Specialists of 2022 and the recipient of our Industry Specialist Award.

Originally founded to provide deep hole drilling machines, accessories and related services to the US market, UNISIG is one of the largest producers of deep hole drilling machines, and

applications, to accommodate any specific requirement.

Since its establishment, UNISIG has built up a trusted reputation amongst its broad range of customers. As the leading producer of gun drilling and deep hole drilling machines, customers of UNISIG rely on its deep hole drilling technologies for the powerful, intuitive capabilities they offer.

Serving industries such as aerospace, energy, firearms, hydraulic cylinders, medical, military and defense, molds, oil and gas, and automotive, UNISIG



an industry leader in technology, innovation, support, and service. From small job shops looking to expand their capabilities, to large OEM's that need to drill millions of holes, UNISIG has the capabilities and the strong understanding of the deep hole drilling process, drilling tools and their

has a strong presence all over the world with installations in the Americas, Europe and Asia.

By offering a complete deep hole drilling solution that includes machines, tools and automation, customers will receive the upmost, highest quality service from engineers that hold extensive experience and expertise on deep hole drilling machines. Throughout the years, UNISIG's impressive drilling capabilities have propelled the company to the forefront of the industry offering a service that goes completely unrivalled amongst competitors. Setting the standards of the industry high when it comes its technological advancements,



UNISIG doesn't just manufacture deep hole drilling machines, it can also develop machines for other deep hole processes such as BTA, gun drilling, counterboring/reaming, pull boring, trepanning, skiving and roller burnishing, bottle boring, bottom forming and many more.



Pushing the limits of BTA drilling, with on and off-centre capabilities that offer intuitive operation, UNISIG manufactures high power BTA drilling machines and trepanning that enable BTA drilling of 25mm to 500mm up to 20m deep.

The B-Series machines handle an impressive range of on-centre BTA drilling and are the ideal solution for a majority of BTA range diameter deep hole drilling applications. This series uses BTA and related tools to produce centreline holes on parts up to 20m deep and are supported with training from UNISIG throughout the process.

The larger swing B-Series machines have virtually limitless capabilities, giving manufacturers the most in power and dimension requirements. As part of the deep hole drilling system, this

range combines rigid deep hole drilling with durable components and powerful drives with smart controls, allowing manufacturers to get the most out of their deep hole drilling investment.

It is evident that UNISIG is at the top of its game, manufacturing some of the highest-quality machines in the deep hole drilling industry. With its team of dedicated experts all pulling together, the company is really showing how anything is possible when you work together to solve problems, not create them.

Please visit us at EMO 2023, Hannover from 18th-23rd September.

For more information, please see below:
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A detailed close-up photograph of a deep hole drilling machine. A long, polished metal drill bit is mounted on a complex mechanical assembly, including a chuck and various support structures. The background is slightly blurred, showing more of the machine's components.

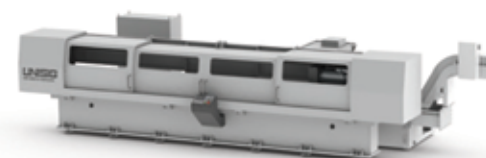
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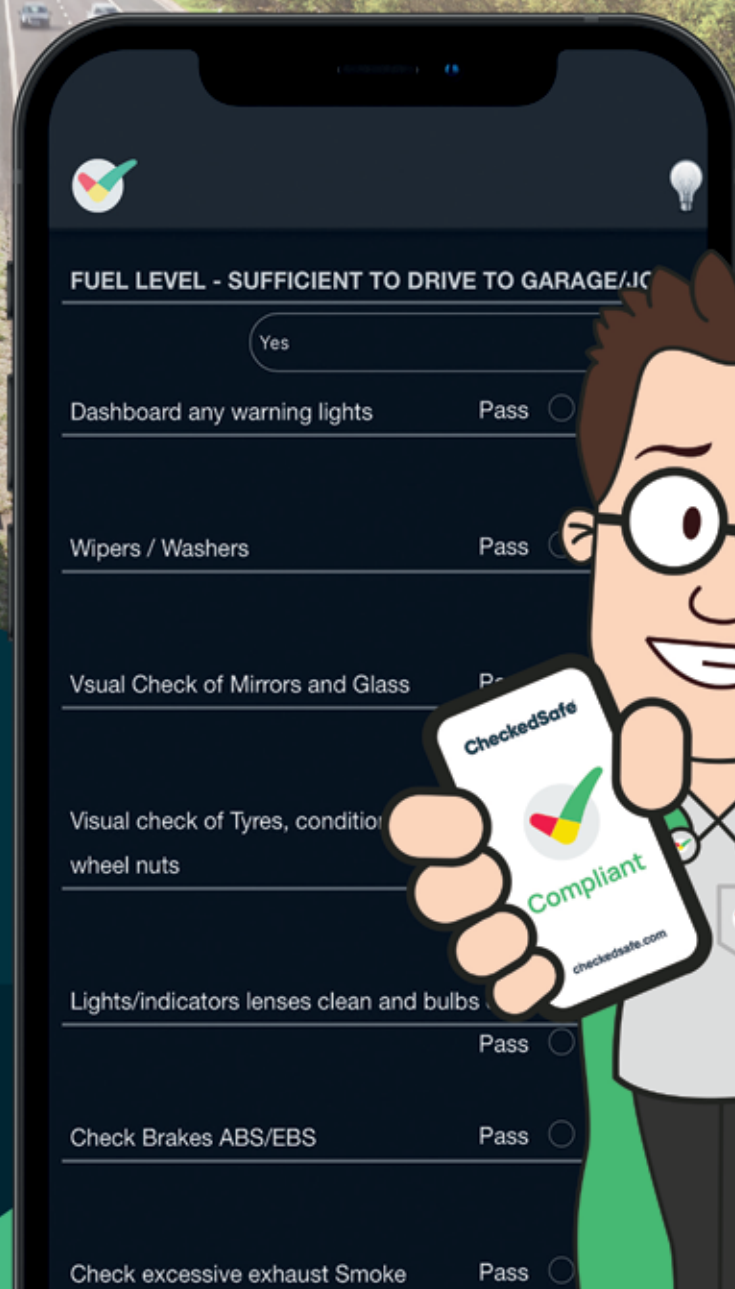
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Make your project possible

DCON Safety Consultants Limited offers leading health and safety consultancy and construction statute advice services. The company prioritises and specialises in the highest levels of informed and intelligent advice, senior project resource allocation and compliance assurance. Informed by industry expertise, DCON Safety Consultants Limited knows that every project has potential risks, no matter what its potential benefits, so its team of highly experienced construction professionals helps to ensure clients' statutory conformity.

Upon gaining understanding of the specific needs, goals

and desires of each client and their project, DCON Safety Consultants Limited is dedicated to implementing a design and construction management plan that will meet or exceed these requirements. And, DCON Safety Consultants Limited ensures that there is honesty, integrity, trust and professionalism underpinning every project. Moreover, the company's services are centred on three delivery principles:

■ **Maximising Quality:** The company implements proven health, safety and wellbeing strategies to help clients achieve high quality and cost-effective work commensurate with the design of their projects.

■ **Minimising Risk:** The company effectively manages design and delivery risk on projects to match each client's desired risk level profile.

■ **Managing Compliance:** The company relies on its extensive background working on a wide variety of projects to assist clients in developing, monitoring and maintaining compliance performance.

This excellent service would not be possible without the leadership of Diarmuid Condon, a construction industry leader who brings unique perspectives to encourage, support and mentor the abilities of his colleagues. As a

construction professional with a surveying background and experience spanning two decades, Diarmuid is emblematic of DCON Safety Consultants Limited's commitment to providing outstanding services to clients.

Diarmuid has contributed his invaluable expertise to over 400 projects over 20 years, with a client list including public sector departments, corporate owners, real estate developers, main contractors, design professionals and infrastructural bodies. With this incredible portfolio, Diarmuid is helping DCON Safety Consultants Limited to become a leader in health and safety consultancy across the construction industry.

Key to DCON Safety Consultants Limited's services is working as a Project Supervisor for the Design Process and CDM Advisor in various sectors across the Irish construction market. No project is too simple or too complex for the company's construction safety consultants, all of whom are construction professionals with an average of 20 years' experience in the built environment. The ability to maximise this knowledge and skillset means DCON Safety Consultants Limited can generate distinctive and innovative ideas from traditional PSDP service inputs and outputs.

Additionally, DCON Safety Consultants Limited offers planning compliance assurance services. The ability to strategically support a positive planning decision is exclusive to the company. Its Draft Construction Management Plans (DCMP) inform the overall planning, coordination and control of a project from the beginning of construction to completion. The DCMP also safeguards the obligation placed upon a client to produce a safe, functional and financially viable project.

DCON Safety Consultants Limited also provides its main contractor clients with intelligent, practical, and reasonable physical site safety advice to support compliance and good practice adherence. Behavioural safety outcomes inform how the company approaches each solution with the contractor and their supply chain, identifying opportunities for improvement.

To complement this, DCON Safety Consultants Limited can also help with clients' health and safety strategy. Its holistic and integrated approach can help unlock substantial benefits for clients by providing a structured, objective and SMART framework for full optimisation through the creation of an environment that embraces health, safety and wellbeing.

This means DCON Safety Consultants Limited helps clients to improve their health, safety and environmental performance; enhance staff satisfaction thanks to improved performance; improve risk management and corporate governance with a clear audit trail; gain confidence from long-term planning, better sustainability and performance; and improve overall corporate reputation, including greater staff satisfaction and a more efficient procurement and supply chain.

Finally, DCON Safety Consultants Limited can offer a safety expert witness service, which is headed by Diarmuid himself. He has extensively supported safety-related matters, and is a certified and competent safety professional who will work with clients to identify exactly what kind of safety expert is needed. Then, he will use an extensive network of contacts to recruit the right person to protect clients' interests.

DCON Safety Consultants Limited's fantastic service offering and proven track record of offering leading health and safety consultancy services makes the company a worthy winner of our Commitment to Excellence award. Such achievements are proof that DCON Safety Consultants Limited is well-placed to help ensure your safety, health and wellbeing and make your project possible.

If you are interested in finding out more information on DCON Safety Consultants Limited's full range of excellent services, head to the website or get in touch directly using the contact details below.

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Vandecasteele Houtimport are one of the leading European timber importers and have ambitious aims to trade only in certified timber by 2025

The Belgian fifth-generation family company, founded in 1883, Vandecasteele Houtimport specialises in the import, trading and export of tropical hardwood from Africa, Southeast Asia and South America, Scandinavian and North-American softwood, North American and European hardwood.

Sustainability and reliability are an essential part of Vandecasteele Houtimport's DNA. With over 140 years of experience, the company is determined to achieve the goal of trading only certified timber by 2025. The challenge lies with the hardwood and especially the tropical hardwoods. Today they are at 80% certified and have a clear vision: only certified timber has a future.

A long-term goal that can only be achieved by including all partners. Substantial investments have been made over the years to be able to realise this future goal. You cannot achieve this goal overnight. This is a long-term job in which all partners must be included. If we want to assure our customers that we keep our promise to only trade timber that comes from well-managed, certified forests, we need to be sure that all our trading partners share the same strictest certification and sustainability processes as we do.

Vandecasteele Houtimport has a unique business model. Importing timber from all over the world, keeping in stock for several years, in some cases, even decades. Stock is our strength and our specialty. In times where supply is difficult or tight, we can count on our invested stocks to guarantee continued supply.

In order to achieve our goal we have taken several actions within the company. First, we were assisted by external experts to get the procedures and protocols in place. Secondly, the team at Vandecasteele was reinforced with two forest engineers in Brazil. That way we can keep a finger on the pulse of every shipment and we are able to accurately apply the ever-changing legislation in Brazil with great precision. This sends an important signal to our suppliers. They know that doing business with Vandecasteele Houtimport means complying with a procedure that is continuously refined and adapted. All timber transport requires our approval. When in doubt the timber is not accepted.

Masters in diversification
Vandecasteele has a long-term commitment to preserving the forests. The family business imports more than 130 different species of timber coming from 40 countries and has over 120,000 cubic meters in stock, mainly certified hard and softwoods. We support the LKTS program of FSC® Denmark with which we want to help promote the use of lesser known species. We keep these lesser-known species in stock and offer them as alternatives. Timber is too often prescribed from a specific well-known species. From the point of view of responsible forest management, we must dare to choose the right durability class for an application instead of a specific timber species.

Rethink everything: a positive evolution in consumer purchasing behaviour
Customers are increasingly asking questions about certification and the origin of the timber. Buyers are becoming more and more aware of the need to use certified timber. Importing tropical wood goes further than just asking for timber. There is a continuous evolution, because of new insights and new legislation.

We work together with external experts, we are broadening our internal knowledge and we continually make progress. Making progress is an ongoing process. Considerable steps have already been taken with the EU Timber Regulation but we can and should do better. We want to see and monitor a stronger application and support for certified timber. Vandecasteele communicates continuously with the users via its website and campaigns in order to spread that message. This is necessary because the purchase of FSC® certified wood contributes to 14 of the 17 United Nations Sustainable Development Goals (SDGs). The purchase of FSC® certified timber contributes to biodiversity.




Since the year 2000, Vandecasteele Houtimport has committed itself through the Corporate Durability Charter by signing up to environmental objectives exceeding the applicable legislation. In 2018, the charter started a partnership with CIFAL Flanders, the local HUB of


UNITAR, the Training and Education Centre of the UN. In 2020, Vandecasteele Houtimport was the first timber company in the world to obtain the international recognised 'SDG Pioneer certificate' from UNITAR CIFAL. In 2022, we were the first timber company in the world to


have achieved the 'SDG Champion award.'

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Quality, bespoke joinery since 1991

Joinery experts, Bluerun Ltd, was originally established by the current Managing Director, John Jones, and Peter Clayden back in 1991. Peter Clayden resigned a few years later and the company is now owned by John's family – his wife Doreen, son Jeremy, and daughter Dee Newman, and Dee took over the reins in December 2019, when John semi-retired.

Based in Wimbish, near Saffron Walden in Essex, Bluerun manufactures quality, bespoke joinery items, and everything is made to order, nothing is 'off the shelf.' Dee commented, "We manufacture items for the commercial market from door and window packers,



to shopfronts, reception desks, mainframes, pub doors, and years ago we even made a trebuchet for Stansted Mountfitchet castle!"

In the 7,000 sq. ft. factory, Bluerun can produce work using both hard or softwoods, and veneered and painted panels. It has a modern spray paint and lacquer facility, enabling products to leave the factory in a fully finished state.

For domestic clients, Bluerun manufactures everything from windowboards to windows, thresholds to doors, shelving, wardrobes, bi-fold doors, French doors,

staircases, indeed most things in a property that are made of timber. It has even made a child's Wendy house and a mansion for cats!

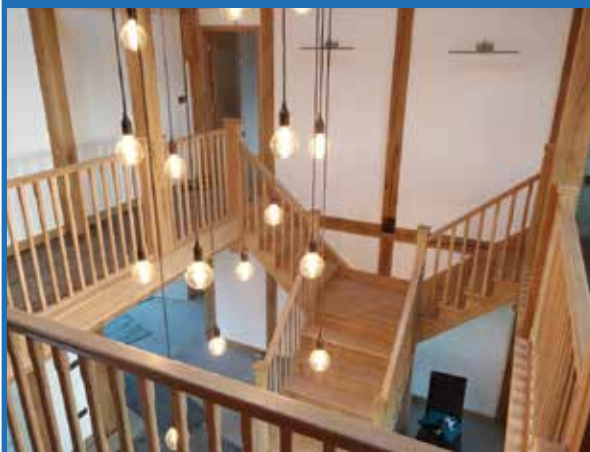
Bluerun will take on projects of almost any size, Dee continued, "The only size limit is whether a finished item can be removed through our workshop doors! Staircases for example, would be made in a kit format, for ease of delivery and installation. We use couriers for deliveries, and they have access to all sizes of vans and lorries." The only thing that is sometimes out of range are installations due to a small workforce, but Dee keeps a list of recommended installers for anything, which is manufactured.



Bluerun Limited

quality bespoke joinery since 1991

QUALITY, CUSTOM MADE JOINERY



In a crowded marketplace, Bluerun works very hard to be at the forefront of the industry. It is a supplier to Dovista for items such as packers and mainframes, and the company corporate branding is on its vans, emails, and social media presence, along with promotional items, and this has helped recognition and growth of the company in recent years.



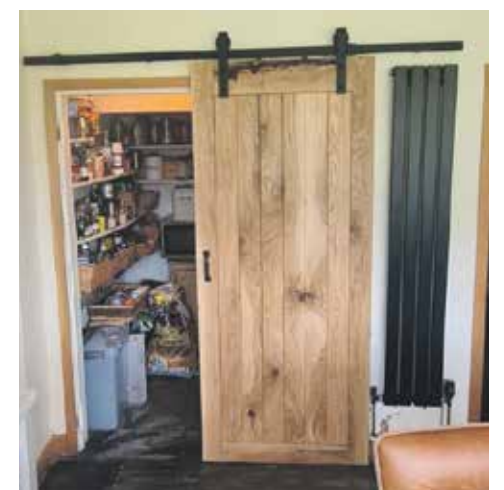
Dee remarked, "We are still working old school, and everything is designed using pencil and paper with a dash of imagination. We don't use CAD or CNC, and most items are completed using hand tools for the finishing touches. A lot of love and care is included within our work, and this has really helped our customer base to grow."

So whether you are looking for a one-off custom made gate, a staircase, or a production run of doors and windows for a new housing development, or a new interior for your pub, restaurant or office, Bluerun can deliver exactly what you are looking for.

For more information, please see below:
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Bluerun Ltd have been manufacturing top quality, purpose made joinery for the domestic and commercial markets for over 30 years.

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High quality, high capacity mowing systems

In this issue of Building Update, we are pleased to announce that we have selected L S Products BV as the recipient of our Commitment to Excellence Award for its dedication and innovative design of the best mowing systems for the maintenance of large area turfgrass.

As a response to the increasing market demand for an upgrade to the 15-year-old electrically driven rotary mowers, the company started working on a newer, more improved version. Combining his years of experience and expertise, Syb Leijenaar – LS Products BV owner and Eco Clipper® inventor developed a new line of electric mowers that graced the market in 2018, and this was when the Eco Clipper® was born.

Built from experience, the Eco Clipper® Mowing System has evolved from the mowing system that was originally developed in the nineties on the turfgrass farm of the Leijenaar family in the Netherlands. Since the first electric mower product launch in 2002 to the latest Eco Clipper® range, L S Products BV has developed an extensive portfolio of machinery and equipment that has grown rapidly and been revolutionary to the turfgrass industry.

“Eco Clipper® is a range of large area mowers with a high productivity that help field managers to minimise their mowing costs, while producing a professional cut. Our mowers are electrically driven and use a special mowing deck design with small mowing blades. The mowing decks have good contour following capabilities and disperse clippings well, even in wet grass. This means we have a few important advantages over other mowers. These include delivering the highest mowing speed possible thus producing a higher productivity, they are quieter and more fuel efficient because of the small blades and electric drive, and they are more versatile to schedule because they can deal with wet grass and any other adverse weather conditions,” said Syb.



The Eco Clipper® Mowing System offers many advantages over traditional cylinder and rotary mowers. Because it consists of an independently suspended 106cm wide deck section, it is cleverly linked together in larger, flexible contour following mowing decks. The entire design and development of the Eco Clipper® Mowing System delivers a clean cut, even clippings dispersion and excellent following of the ground contours with minimal soil compaction.

The system also caters for bespoke requirements so customers can attach the decks to different frames, whether it be Carried or Towed. Offering three options, the Front Mower consists of a single deck with 2-6 sections, a Towed Mower consists of three separate decks of 10-14 sections wide, and a Carried Rear Mower is combined with a Front Mower and consists of 10-14 sections wide.

We asked Syb if he were to describe the company in three words what would he choose and why, and he answered, “Innovative, we believe that it is always possible to improve. Secondly, our serving. What we offer our customers is ultimately a solution to the problems they are facing. Our products are designed to help our customers to do their job better. And thirdly, we are agile. Every member of our team has the ability to act fast and adapt to the ever-changing



industry. We are also quick to react to any problems our customers may be facing and work hard to do what needs to be done to help them.”

One particular product to note is the Eco Clipper FM4 Sport for sporting grounds.

Similar to the entire Eco Clipper® Mowing Range, the goal with the Eco Clipper FM4 Sport was to maintain the cutting performance of a properly tuned cylinder mower, but without the high maintenance required for mowing conditions such as wet grass and weeds.

The smooth cutting decks with fast rotating small blades ensure a high quality of cut and a good distribution of the clippings. The clippings are also well spread in wet grass, which makes it possible to schedule the mower almost independently to all weather conditions.

Due to the electrically driven blades, the mower is very economical and quiet. The large wheels and clever deck linking system ensure good contour following and enable high mowing speeds.

Municipalities, sports field and park managers have taken delight in the advantages that the Eco Clipper FM4 Sport brings. The EC-FM4 Sport is a 4.11m

wide mower that has four independent cutting decks. The forward position provides excellent visibility and comfort for the tractor operator.

Previous users have reported high productivity gains, a factor two compared to 5-gang self-propelled cylinder mowers, and showed a large appreciation to the low maintenance and the mowers ability to schedule the mowing even under less favourable mowing conditions such as early morning dew and wet autumns.

“We started our focus on increasing mowing productivity in turfgrass production. With a few adjustments, this mowing system has proven to be a major step forward in reducing mowing costs on sports fields and large recreational grass areas. Some users have cut their mowing costs by more than half since using it!” stated Syb.

Going forward, L S Products BV is looking to continue its successful start in the sports field market in the Netherlands and is keen to now debut this line of products here in the UK to British sports field managers so they can also enjoy the benefits of the Eco Clipper® Mowing System.

With the development of a robotic mower for turfgrass production in the pipeline, L S Products BV has a busy yet exciting few years ahead. In closing, we asked Syb what a commitment to excellence means to the company, “We feel we achieve excellence because we are completely committed to offering the best mowing system for maintaining large area turfgrass which is of course, achieved by our Eco Clipper® Mowing System.”

For more information, please see below:
T +31 6 46 75 35 60
info@ecoclipper.com
www.ecoclipper.com

‘Dedicated to offer the best mowing system for maintaining large area turfgrass’







Eco Clipper FM4 Sport
for sporting grounds

www.ecoclipper.com



Manosun set to launch eco-friendly glove range

Since the company was established in 2020, its mission has been to bring change to the end-user experience in selecting and buying industrial gloves, gauntlets and sleeves (PPE). As the designer and manufacturer of such an innovative range of quality industrial hand protection that is available for all industrial applications, Manosun is breaking the mould of traditional offerings with a core

range of hand protection that are safe and the perfect fit for anyone that requires PPE.

"Manosun is a provider of Industrial Hand Protection (Gloves), and we work with all end-users including globally known brands such as Nissan, JDR Cables, and SUEZ. As part of our service, we also survey the work

environment, advise on the correct level of hand protection needed or if needed, we can even develop a brand-new product to the exact requirements of the customer. Manosun have the ability to work on small MOQ's from our sponsor factory in China and the ability to develop new products for an ever-changing work environment offering products where 'not all solutions are off the shelf.'



From ARC, Impact, FR, CUT and General handling applications, our products are the ideal solution for the building industry," stated Steven Patterson, Owner.

Of course, it's not just its versatile application that makes Manosun's products stand out. Their long-lasting durability is down to the high-quality materials that are used for all its products. Every product offers extra flexibility and dexterity that ensures minimal hand fatigue, and because of its 360° breathe technology, all products have the ability to keep hands cool while working.

Soon to launch in 2023 is the Manosun Basic Range. The range is a fantastic response to the current climate delivering a highly sustainable and eco-friendly profile as all products are made of a more sustainable yarn using recycled materials such as industrial polyester, where 36% of the ingredient derives from plastic bottles. Steven commented, "This economic yet high-quality range of Eco products are targeted towards high volume users like the construction industry and smaller white van industry and tradesmen. The range will include several lightweight general handling styles with alternative Grip Palms, a heavyweight latex grip palm glove, and two mid-range cut gloves aimed to target almost all aspects of trades undertaken with construction First-Fix to Finish."

'Good Quality, Low Cost, Sustainable Material' is what Manosun is known for across all its products. Product samples of its Basic Range were sent to a range of customers within the building industry and feedback has been nothing but positive. "Production samples were received in November 2022 with sales stock arriving at the end of January 2023. The feedback we have already received has been "GREAT!" and we look forward to some healthy growth with the Basic Range this year," added Steven.

Of course, competitors within the building industry do offer similar products but we asked Steven what makes the Basic Range unique, he answered, "My competitors do offer a similar range, however, because I work directly with the factory and they sponsor my business we have agreed to offer a premium, high performance product that is one of the lowest priced available on the market. The Basic Range offers Comfort, Longevity, and Value for Money and Aesthetics which I believe will dominate the current low-price competition."

So far, Manosun's products have been revolutionary across England and with the Basic Range, the hope is that it will increase Manosun's overall brand awareness to further places across the UK. "This has been a personal goal of mine for some time, seeing the glove would make the story have meaning. It goes against all of my manufacturer's current business but they have supported me and this product range and the visuals of it. We have only just passed the two-year stage so are still very fresh. My experience spans for more than 16 years in hand protection and my drive is to simplify the development of more new products (product development at the factory). Traditionally this takes months and can be very expensive but the relationship and support from my factory partner allows Manosun to develop new products much quicker without an unachievable MOQ (minimum order quantity)," said Steven.

Another way to expand its brand presence is by taking part in trade shows. Currently Manosun is committed to the BSIF/HSM Publications Safety Expo in Scotland on the 16th November 2023, as well as some other local popup exhibitions supporting its two new member groups: The North East Automotive Alliance and the Advanced Manufacturing Forum.

Contact Steven Patterson,
T +44 (0)7468 904409
steven.patterson@manosun.co.uk
www.manosun.co.uk

OUR GLOVE RANGE INCLUDES

ARC

Primarily developed for electrical ARC flash protection, our range of gloves offer many other benefits.

IMPACT

Designed to protect the user's hands from injury if their grip was to slip or tools that are being used fail.

CUT

A range of industrial cut resistant gloves that offer comfort to the user and cost effective solutions.

SPECIALITY

Our specialist range of gloves protect the user in various environments including cold and chemical-based.

GENERAL

The general handling glove range has been made from the best quality materials.

BASIC

A quality economy, sustainable range to compete in a market of own-brand price-fighter gloves.

THE FIRST POINT OF PROTECTION

Manosun Hand Protection

A manufacturer and designer of industrial safety products

- Manosun was created during the 2020 global pandemic when industry took an all-time low in productivity.
- Located in South Tyneside, the co-creator of the brand has over 16 years of industrial product development and 15 years within manufacturing including Health & Safety.
- Our aim is to target the huge UK manufacturing sectors as well as power generation and conservation and offer a quality service, product and development ability, not all solutions can be found off the shelf.
- We work with your traditional distribution supply chain so no need to work outside of any contractual obligations, you are free to develop and select your PPE requirements.
- Manosun Ltd is also a member of the BSIF a sign and seal of quality and products that fulfil all UK and EU requirements of test and design.

Talk to Manosun for all of your hand protection needs

Tel: 0191 300 8699
Email: admin@manosun.co.uk
Web: www.manosun.co.uk

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MANOSUN

The new alternatives in power conversion



Power conversion is familiar in most consumer and industrial technologies, which typically use AC adapters to convert to DC and supply the required voltage. However, while the method of conversion allows a heater to operate at a given set temperature, it receives the full voltage when turned on, which can cause damage over time in some cases. Other solutions, such as phase-angle controllers and DC power supplies also have their own setbacks, making power conversion a tough task. In this article, Stan Breitlow, chief system designer at industrial temperature controller manufacturer Watlow, discusses the new alternative in power conversion.

The necessity of power conversion

The goal with a heater is not to attain a given DC current, but to maintain a given temperature, which is done using a switching device that turns the power on and off rapidly. Usually, this kind of switching or cycling is not an issue. But in some cases when heaters are small, have ceramic components, or where control of multiple heaters is needed, it is not ideal to have the device on with full voltage, let alone have it switching between states. For example, this can happen when precise heating is needed in medical devices, or rapid heating is needed to test microchips in the semiconductor industry.

The issue becomes worse when constructing devices for an international market. Heaters often have very specific voltage requirements, but the power sources can vary from country to country. In today's global economy, there is a great need to normalise this power for use with heaters built for the voltage requirements of any country. In short, power conversion is an old idea, but current technologies in the market are not well suited for some applications.

The problem with power conversion

Power conversion is essential for any heater, whether in an in-home medical device or a large-scale industrial process. But as heaters become smaller and more intricate, more attention must be paid to their power supply. It's important to be mindful that there are four types of cases where inadequate power conversion can lead to problems.

Firstly, fragile heaters become easily damaged. Switching a higher-voltage power source on and off creates wear and tear on devices. As this happens, smaller, more fragile heaters are more likely to fail over time.

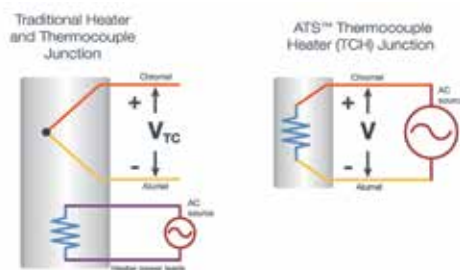
Popular ceramic heaters are often made with molybdenum, which expands and contracts at the same rate as the ceramic. But molybdenum changes resistance with temperature, which means hitting a ceramic-molybdenum heater with a high voltage when it is cold can cause the device to crack or burst – which can become an expensive problem for manufacturers.

New power conversion technology

Power conversion is commonly achieved through phase-angle controllers, transformers and power supplies. But as we have seen, these solutions can either damage heaters, or take up large amounts of space or make it incredibly hard to measure and control the power flow. Watlow's power conversion technology solves these issues by providing the ability to bring voltage up or down smoothly without having to introduce a bulky power supply. Watlow temperature controllers, such as POWERGLIDE®, are capable of modulating the amplitude of the output voltage, allowing the voltage to step down from 208 volts to as low as 20 volts.

Lowering the voltage in this way is a great way to drive low-impedance heaters. It can reduce the power distribution rating with smaller fuses and wires, which saves money and space.

Power conversion is an essential element of many heating applications. Yet most current power conversion technology is not well suited to cases where heaters are fragile, have



ceramic components, or have to ensure safe operation across the globe. No longer do devices have to be engineered around power quality issues. Instead, smooth, stable power changes are possible across a huge variety of outputs, and noise is reduced drastically.

For further information, please contact Johann Lainer, T +43 6244 201290 jlainer@watlow.com www.watlow.com



Stan Breitlow, Chief Systems Designer at Watlow

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We offer a one stop shop for self-builders, developers, contractors, consultants and architects, providing waste and drainage solutions, independent water supplies and renewable heating options – all specifically tailored to meet individual needs and suited to the geology of the Southeast.

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We have been involved in the design, supply and installation of sewage treatment systems for over 30 years. We can either provide package solutions or we can design bespoke systems to meet individual client needs.

Projects undertaken throughout the southeast range from small solutions for single households to larger scale solutions for estates, business parks, farms, schools, caravan sites, hotels and public houses.



We offer a support service for consent to discharge applications to the Environment Agency – a requirement when installing sewage treatment systems.

Ground Source Heat Pumps

We are award winning installers of Open-Loop GSHP installations. These systems utilise ground water as a heat source. Groundwater is pumped from a water supply borehole directly to the heat pump where temperature is extracted.

For more information, please visit: www.hdservicesltd.co.uk

With over 30 years experience, we offer bespoke solutions for the domestic market across the South East. Feasibility of a project can usually be determined with a site postcode.

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The seriously multi-purpose GRP Roofing System

Established in 2012, Tuff Waterproofing Ltd is the UK's premium designer, manufacturer and supplier of heavy-duty GRP waterproof flat roofing systems. TuffStuff® has a dedicated product development team that work closely with customers and its own UK based manufacturing facility to produce an evolving product range that is suitable for multiple flat roof applications.

From its base in Sherburn in Elmet, North Yorkshire, TuffStuff® is the UK's premier GRP flat roofing system and supplies its products through a dedicated stockist network throughout the country.



The advanced TuffStuff® formula uses the latest liquid polyester resins, glass fibre mat reinforcement and flexible trims, to create a fully integrated waterproof, seamless attractive finish with a 25-year guarantee on materials.

Tuff Waterproofing has further expanded its TuffStuff® product range and is now offering its latest GRP roofing innovation; TuffStuff® flexible GRP. This is a single resin solution that provides an exceptional combination of versatility and durability. It is extremely quick to lay and does not require stripping or re-decking of the roof, saving customers both time and money. It can be applied to a

variety of surface types and structures including vertical sections.

Managing Director, Greg Gimenez commented, "Standard GRP is rigid when it is cured, and it is specifically designed for flat roofs. However it can only be applied to OSB3 (Timber), and while this has been very successful, contractors have been looking for overlay systems which can go over other substrates." TuffStuff Flexible GRP can go onto many substrates including felt, asphalt, single-ply, GRP, concrete, timber and metal. While other companies have standard GRP, TuffStuff® knows that this flexible GRP provides an exceptional combination of versatility and durability. TuffStuff®

Air Quality

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flexible GRP has become a very important product already, for a number of reasons. It is a one-pot system, whereas standard GRP comes with a base coat as well as a top coat, and this saves a contractor plenty of time and, comes with a 20 year product guarantee on the full system.

However, the major advantage is that while it is curing, it is actually showerproof, and Greg commented, "If contractors experience a rogue shower while installing, they may have to go off-site, but upon returning they can carry on knowing that their work is not ruined (showerproof whilst curing), as it would be with standard GRP. This aspect of our product will really excite contractors that work with GRP regularly." This plus the fact that it is crack resistant, with no weak points has meant that facility companies have also begun using the flexible GRP for patch repairs too.



SCAN ME

TuffStuff® Flexible GRP will form a highly flexible, extra tough and seamless waterproof membrane – an ideal solution for areas of heavy-duty foot traffic.

Tuff Waterproofing Ltd will be exhibiting at the UK Construction Week in October in Birmingham, during which clients can find out more about this amazing new product.

For more information, please see below:
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Unrivalled professional expertise: Wakefield's expert-chartered surveyor



Fennell Green & Bates is a chartered mineral, waste, energy and building surveyors practice, with a specialism in project co-ordination and management in the construction and mining industries.

The company had evolved substantially since its inception in 1875 when founders Mr Fennell and Mr Green, took over the practice from the eminent mining engineer: Mr J Tolson White.

Under the expert direction of the current director, the company has expanded exponentially, employing experienced staff with chartered surveying expertise. From its convenient central base the UK in Wakefield, West Yorkshire, customers can be reached easily



within three hours, excluding the southern counties of Devon and Cornwall, which takes a little longer.

As leading specialists in construction project co-ordination and management, the company's range of services includes: building surveys, land condition surveys, coal and other mining reports, contaminated land audits, land and mine surveying, geotechnical advice and site investigation.

To allow for a more streamlined process, the company has recently embraced the digital era, by moving its substantial archive, documentation and filing systems to a more secure online storage. This has already provided a more efficient service for its large customer base of: self-build, SME home builders and commercial developers, farmers and landowners.

"Experience in all types of land and former use with a large archive of material to research, helps inform modern solutions to ground conditions problems," says company Partner, John Carlon and keeps Fennell Green & Bates ahead of the competition.

"Our experienced staff are familiar with mining law, land law and regulation and redeveloping land. Experience in subsidence identification from mining and treating the effect, is highly valued by our customers," elaborates John.



It is this winning combination of experienced staff, with knowledgeable areas of expertise, with access to extensive archived documents and drawings, that has cemented the company as a leading specialised chartered surveyor.

Enlisting the guidance of an experienced chartered surveyor, like Fennell Green & Bates, at the early stages of land development or building property can mitigate against further challenges. Drawbacks could include: mining induced ground conditions, contamination and the boundaries of the site, but through informative advice, customers can make detailed, informed decisions.

It is these important, expert risk assessments that can determine whether land use can be developed further to what the client chooses.

"We can advise on developments in former coal mining areas and solutions to stabilise land from any mining or industrial use. Our coal mining risk assessments can be included with future planning



applications in areas of high risk as identified on the Coal Authority data base.

We offer competitive, cost-effective solutions to most land condition problems. Our latest services include: level 3 structural surveys, contaminated land reviews and valuation."

From its Wakefield base, this experienced chartered surveyor practice has helped a large diverse customer base across the UK and according to John, is wholly focussed on helping companies, especially smaller ones to succeed, "The plan for the future is to grow the practice and help the smaller developer to find cost-effective solutions to ground conditions and contamination."

For further information, please see the details below:
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With two coats applied within one hour, TuffStuff® Flexible GRP will form a highly flexible, extra tough and seamless waterproof membrane - can be a solution for areas of heavy duty foot traffic.

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GLOW Engineering and Construction are one of the UK's leading providers of general fabrication services. First set up back in 1992, the company has acquired decades of experience in delivering only the best and most durable materials for a number of different sectors.

Some of the vast client base includes architects, structural engineers, business and private customers, and much more. The company specialises in custom build objects made of metal and has become renowned

within the industry for their dedication to customer service, able to provide a bespoke product that is quality lead. They prioritise customer's individual requirements and even offer design help for their projects if needed.

Some of their services cover Fabrication, Shot Blasting, Powder Coating, Soda Blasting, Steel Frameworks, Interclamp Handrail parts and more. They are well experienced in designing, manufacturing and installing bespoke made fabrications

and they are able to design things using whatever the client has to work with- even if it's nothing but a vision.

Whether the design team put it together from scratch or work from blueprints or specifications, they are able to make a 3D design of the final product to show the client before work gets started creating it.

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Events

Unique Woodland for any corporate event in an AONB

Nestled in the idyllic East Devonian countryside is Boveys Down Farm, a quiet and rural retreat offering Woodland Weddings, glamping (March – September) and year-round camping.

Boasting stunning views of the Farway Valley in an AONB, Boveys Down Farm is situated a few miles from the Jurassic coast, and no more than 15 minutes away from beaches, pubs, shops and restaurants, making it secluded yet conveniently close to everything you could need for a camping break.

Five years ago, the farm became a fully licensed venue for weddings and civil ceremonies. We had the pleasure of speaking to Pam about what makes Boveys Down Farm the perfect venue for your special day.

Indeed, the Woodland Pavilion used for the ceremonies is situated in a small area of woodland, close by to the indoor barn and commercial kitchen. Beautifully presented with careful attention to detail, the pavilion blends



perfectly into its surroundings and boasts plenty of room for the ceremony.

What's more, there is the option of booking part of or the entire site for the exclusive use of your wedding party, and Boveys even offers a bridal suit consisting of two luxury glamping tents joined together.

If you would like to find out more information on booking a camping trip at Boveys Down Farm, or hiring it as a beautifully unique wedding venue, head to their website or get in touch using the contact details below.

T 01404 871436
www.boveysdownfarm.co.uk

Events Company of Choice

The first company in the UK to have provided the King and Queen of England with crowd barriers

From Crowd Barriers to Police Met Barriers, Red Herring Event Services Ltd (Red Herring) provide a range of fencing solutions for any local to large scale event or festival. Some previous customers include MSV Donington Park, Leicester City Council, LPH Concerts & Events, Live Nation (Music) UK Ltd, The X Factor, Formula E Operations Ltd and many more. At Building Update, we have chosen to select Red Herring as our Event Company of choice because it is well-known in its field and is trusted as one of the best and most reliable fencing companies in the UK.

Established in December 2006 by Charles Herring who whilst working for a scaffold company during the years of 1985-2006, started doing events for Leicester City Council. He put on his first major event in 1989 for the council and because of this, his outstanding work did not go unnoticed.

Following a redundancy from the scaffold company (21 years' service), Charles was offered to buy the fencing and barriers from the scaffold company to start his own venture. Taking them up on the offer, Charles took it upon himself to start his own business and in 2006 Red Herring Event Services Ltd was born.

The company has focused mainly on fencing and barriers, building a portfolio of products tailored to the customers' requirements that guaranteed the short term, safe, efficient and cost-effective perimeter solutions they required.



The company now stock a number of fencing solutions including Crowd Control Barriers 2.3m, Steel Shield Hoarding 2.1m, Temporary Fencing 3.5m, and Police Met Barriers 1.5m.

Red Herring is based at Charles' home office in Lincolnshire but the company operates all across the UK, "Distance is no object. We provide a full service from the initial quote to the disassembling of the equipment after the event. We have a team of trained experts who will deliver, assemble and disassemble all equipment and are available as the client's single point of contact throughout. We are able to offer a competitive price as our overheads are very minimal and one of the main benefits of our services is that unlike other companies who will need to hire the equipment they loan out, we own all of our equipment so this negates any waiting times and means we can deliver, assemble and disassemble everything



for you in a quick, efficient and safe manner. We are available 7 days a week, the event industry isn't a 9 to 5 job anymore, work long hours and can handle multiple jobs a day," stated Charles.

If you're looking for any fencing and barriers for your large- or small-scale event, please get in touch below for immediate service.

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Living Space Storage

Creating perfect sleep and storage solutions

studio™ next bed™ beta bed™

Wallbed Systems offer an exclusive range of beautiful wall bed hardware designs to furniture manufacturers and retailers, hardware distributors and retailers, hotel and hospitality contractors around the world. This sleeping solution works perfectly in hotel rooms, micro-apartments, small bedrooms, a home office and student accommodation, providing an excellent hybrid living, working, studying and sleeping area, fully maximising the space available.

Wallbed Systems Ltd. is a London-based global business established by Managing Director, Jeremy Waller, who has extensive experience selling mattresses and beds

across Asia, who saw opportunities for sensible designs of reliable, safe and flexible wall beds, which could feature comfortable mattresses. With the latest designs and accessories (such as with the Alpha bed and Studio desk pairing) small or odd shapes rooms are transformed into multi-use spaces with cleverly concealed sleeping areas.

Taking inspiration from the original models, which originated in the USA in the early 20th century, the company has been manufacturing in-house spring balance systems over a 20-year period, allowing for precise tension adjustments and easy lifting, so there is no compromise on comfort or convenience.

All are easy to install and fit full height mattresses up to 300mm, meaning there is no compromise on an excellent night's sleep. The full wall bed design includes the bed counterbalance mechanism (SBLM), bed frame rails, mountings, pivot system, springs and fasteners. The powder-coated parts are ergonomic and durable, offering assured longevity. Even more remarkable is the 'finger-tip' control mechanism with minimal effort to open and close each bed.

The Alpha bed system is the most popular product globally, available in standard and special sizes, vertical and horizontal mounting, with a choice of leg options and even a desk. The lightweight design comes with robust steel bed frames, with strengthened steel stiffeners for a strong platform. Alpha bed frames are available in single, double, queen or king sizes and come with the adjustable SBLM, allowing perfect balance and easy, safe 'finger-tip' operation every time.



Latest designs include the NeXT bed which gives an immediate, ready to use solution with or without cabinet, and which still delivers comfort levels indistinguishable from a conventional bed. All products are stocked at multiple locations globally with advice provided around options and sizes.

For more information on the full product range and cabinet designs:
T +44 (0)208 704 5796
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jeremy.waller@wallbedsystems.co.uk
www.wallbedsystems.co.uk

Building Services

Carlisle's Arboflex PU specified for 4,000m² Galliard Homes Project



Arboflex PU, the wet-on-wet liquid applied waterproofing membrane from Carlisle Construction Materials, has been specified for the roofs and podium deck of Neptune Wharf: a development of six, high specification residential buildings by Galliard Homes in East London.

T & T roofing will install the Arboflex PU, along with tapered, fire-retardant mineral wool insulation, which will also be supplied by Carlisle. All roof areas, apart from the podium, will be green roofs, and the Arboflex PU 20-year system will be installed to provide excellent root resistance, along with ease and speed of installation and effective waterproofing.

T & T Roofing will install the tapered insulation, before applying the Arboflex PU liquid. After rolling the liquid onto the roof, T & T's installers will lay the system's glass fibre matt onto the wet membrane. Once the liquid has been drawn through with the roller and an additional application has been completed, the matt is entirely absorbed, providing a seamless roof surface.

The first phase of the Neptune Wharf roofing project was complete in February 2023, with the complete development due to handover later in the year.

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The Home of Le Tonkinois Varnish UK

B & D Murkin are a small family run business based in Maidenhead. Providing varnish and sander products, they are the sole importers of Le Tonkinois Varnish and the Flexidisc Sander.

They have been importing Le Tonkinois Varnish and the Flexidisc sander for almost 40 years.

They demonstrate and sell these products



on various shows throughout the UK and operate a first class mail order service.

Le Tonkinois Varnish is a traditional oil based varnish, manufactured using a 200 year old Chinese recipe. It contains Linseed oil, Tung oil & natural resins. No solvents or water therefore it is environmentally friendly and is a pleasure to work with, no nasty smells and no brush marks.

Le Tonkinois Varnish is 100% waterproof and does not crack or flake off, even on oily woods like Teak and Iroko. It also withstands hot pans and boiling water. It produces a high quality and professional finish and requires very little maintenance, simply add a top up coat every few years as required.

Le Tonkinois Varnish has gained world recognition for its results and is regarded as one of the world's best varnishes for indoor, outdoor and marine use.

The flexidisc sander is an extremely unique piece of equipment, although being a general sander, it can also be converted into many other applications including: finishing sander, bench grinder, general purpose sharpener, partial angle grinder, polish applicator, polisher and grinds glass and nails.

"The Flexidisc sander can be used to prepare any type of material prior to applying Le Tonkinois and results in a better finish than most orbital Sanders in a fraction of the time.

For any more information, please see the details below:
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Le Tonkinois is a traditional natural oil based varnish. It is perfect for outdoor, indoor or marine use. With Le Tonkinois varnish the options really are endless.

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01628 548840

Environmentally friendly plastic lumber

At Building Update, we are proud to announce that we have selected Kedel as the recipient of our Commitment to Excellence Award for its ongoing efforts in producing eco-friendly plastic products for a more sustainable future.

Kedel is a family business founded on ethical and ecologically sound principles. Dedicated to making sustainable living attractive, Kedel believe that by incorporating sustainable recycled plastic products into personal and working environments, it can create a happier, healthier and infinitely more sustainable future for generations to come.

Established by three brothers, Kieran, Dermot and Lewis Walch, Kedel is based in Burnley and supplies nationwide. We spoke to Dermot who explained what commitment to excellence means to them and how they feel they achieve it. "Commitment to excellence is an attitude towards work. You're only as good as your weakest link, so we try to give our staff an autonomous responsibility around servicing our customers and through this we are achieving service excellence."



Because of this, people can make quicker decisions and our customers end up 100% satisfied much quicker. Eco-Friendly Plastic is what we do. Not many people believe plastic can be green but it can. We manufacture plastic wood made from waste polystyrene, and are also suppliers of many other types of recycled plastic profiles from other manufacturers, which allows our customers to keep their carbon footprint down. We maintain excellence throughout our business through our sustainable products, sustainable supply chain and sustainable manufacturing policy."

Winners of the Feefo Trusted Service Award, Kedel's range of recycled plastic lumber reflects the future of the construction industry. From plastic fencing pales and edging board pegs to round posts, boards and



planks, tongue & groove planks, decking, and so much more, Kedel's extensive product range comes with a number of benefits. Of course, the largest advantage of plastic lumber in general is that it does not rot, absorb water and is highly resistant to damage. This much more versatile material means it has a life longevity to be placed in all weathers and climates making it a perfect material for use in construction, leisure, education, gardens and any water applications.

Some could claim that plastic wood is bad for the environment, however, Kedel would argue that yes, initially the cost of plastic wood may be higher but the outcome is that you have a product that will last a lifetime due to its extended longevity and zero maintenance properties. To add to this, Kedel only uses recycled plastic that would otherwise go to landfill, therefore, its contribution towards a circular economy is something to be highly commended.

Moving forward, Dermot explained what the future holds for the company. "We are about to increase the working hours of our extrusion plant to be operating 24 hours



a day 5 days a week which will double our production time, and to support this we are recruiting more extruder operators. In the future, we plan to build a

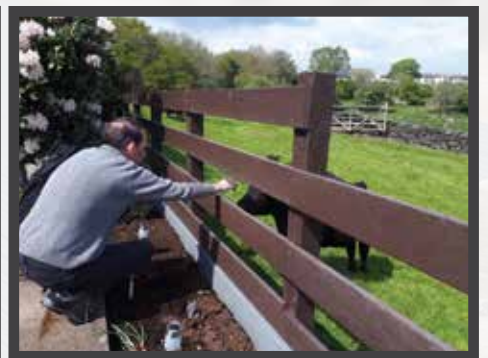
network of resellers around the UK, as the current cost of transport is at an all-time high so we are looking at ways around this for better business practice and to allow for an eco-friendlier way of working."

In closing, we asked Dermot how he felt receiving our award, he responded, "We are thrilled. It shows we are doing all the right things and going in the right direction and we will endeavour to live up to it."

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CWE: Ensuring the purity of your water

Established over 30 years ago in 1991, CWE provides expert water sampling services throughout the UK for both the domestic, residential and commercial sectors. Although the company's main service areas are London and the South East and The Midlands, the company can provide nationwide coverage from these locations.

The team of skilled engineers offer a flexible service that works around the clients' needs, using state-of-the-art technology, alongside many years of experience in the industry, to provide reliable water testing and analysis and consultancy services.

and residential services, including working in partnership with other companies within the water supply industry. Whatever service is required, a solution will be found to meet the client's requirements.

CWE understands the importance of having a risk assessment in place for all business sectors, in order to ensure customers maintain their legal duty regarding legionella compliance. This is provided by tailored legionella risk assessments on a wide variety of different water systems by proficient and competent surveyors.

Due to an increase in demand for legionella testing for residential supplies, CWE has developed a specific 'simple' risk assessment, as per ACoP L8 and HSG274 guidance, aimed at landlords of residential and small commercial properties. The risk assessment ensures water systems are compliant with the latest guidelines. The risk assessment is completed on-site, and if any issues are present, water samples are then taken to determine if legionella and other bacteria are present. CWE can then offer recommendations on the next best-course of action to take if necessary.

CWE has remained largely unaffected by the Coronavirus pandemic, as ensuring water quality has remained a mandatory legal requirement. The company has continued operating throughout the pandemic and is now looking to broaden its presence within the UK, operating in more locations, and have a greater nationwide coverage.

For more information, please see below:
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CWE's ethos and ability to provide a friendly, personal and flexible approach to suit its customers' needs make it stand out from the competition. Over the years, the company has gained engineering and management knowledge from its experienced and professional workforce, thrusting the company's reputation to the forefront of the industry. Currently providing regular water sampling at over 500 sites in the UK and internationally, CWE has an extensive range of services that are tried, tested and trusted by its clients, including large housing associations, care homes, schools, leisure centres, swimming pools and facilities management companies, as well as residential landlords and small businesses.

Services available include sampling for private water supplies, swimming and bathing, closed system testing, legionella risk assessments, landlord risk assessments, television and film studio water testing and other remedial



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Automation

Increased productivity with collaborative application

Okura Kogyo is a Japanese manufacturer of logistic equipment and systems. Their offering includes design, manufacturing, installation and maintenance of conveyors and conveying systems.



The Challenge

At Okura Kogyo, the staff would manually load and unload workpieces (rollers) from the processors to trolley. The manual process needs to be done carefully to avoid damaging the workpiece. Like other manufacturers globally, the company is also facing labor shortages.

The Solution

Collaborative application is a clear choice for Okura Kogyo.

Combining OnRobot VGC10 gripper and Omron cobot, the manual processes of loading and unloading workpieces are fully automated.

The VGC10 gripper has a customized fixture with 4 suction cups and is programmed to handle 2 rollers at a time to match the production cycle.

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Click the video on the case study page:
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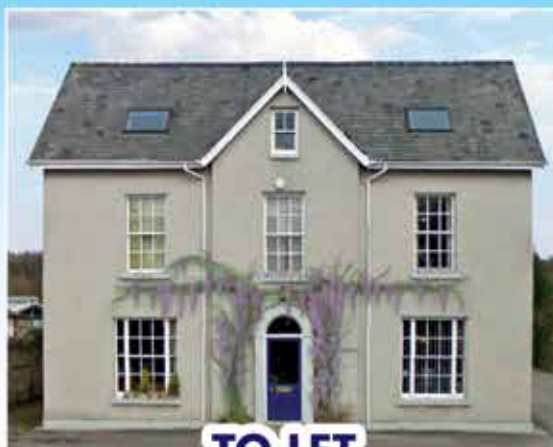
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Midlands firm invents a world first in sustainable resin flooring

Leicestershire-based Abacus Flooring Solutions has made history by inventing a way to use waste plastic, that would otherwise go to landfill, in industrial resin flooring.

The ground-breaking invention, named Abaplas, is set to transform the flooring industry as well as providing an eco-friendly method for replacing harmful bulking materials in other products such as tile adhesives.

Nick Megson, managing director of Abacus Flooring and the brains behind the pioneering Abaplas system, has already proven his idea after carrying out a painstaking series of tests over several years.

Having arrived at the perfect formula, which performs even better than traditional resin flooring, his world-beating patent for Abaplas has now been approved.

Resin flooring, along with many other industrial products, has traditionally been manufactured using silica sand, which is a dangerous and potentially carcinogenic substance when inhaled.

Abaplas instead contains non-harmful recycled plastic, which is ground down to a white powder. The process will vastly reduce the volume of waste plastic ending up in landfill or the world's oceans.

Nick said, "We carried out so many tests that it seemed as if it would never happen. We conducted tests using numerous grades and types of plastic before we finally achieved the fantastic result, we have today."

"On our first ever project using this product, the installation guys said it was the best self-smoothing resin system they had used."

"Further research uncovered many other uses for our 100% recycled plastic, in things like our primer coats, scratch coats, self-smoothing screeds, repair compounds – and even things like tile adhesives."

"It could turn the plastics recycling industry completely on its head and really make major strides in helping to save the planet."

The world's first resin flooring using 100% recycled plastic was installed by Abacus in the enormous VIP Visitor Centre auditorium at JCB's global headquarters in Staffordshire, UK.

The company has since gone on to install Abaplas flooring in warehouses, medical facilities and football stadiums throughout the UK.

Nick has established a new firm, Abaplas Recycling Limited, to handle all the plastic recycling for Abacus as well as beginning the sales of treated plastic for use by other product manufacturers.

Abaplas has already led to Abacus winning a number of awards, including a Green World Award – a global environmental campaign that rewards the world's greenest countries, communities and companies.

With more than three decades of experience working with resin flooring, Nick has been the industry's ambassador for sustainability and recycling since 2005.

Abacus is also a member of the Resin Flooring

Association (FeFRA), of which Nick sits on the board of directors to help maintain industry standards.

He founded Abacus Flooring Solutions with his wife Amanda during lockdown three years ago. The company now turns over more than £1 million

per year and manages an ever-expanding order book at its manufacturing headquarters in Coalville, Leicestershire.

For more information, please visit:
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Service Sealing Solutions Ltd specialises in high-quality service duct sealing systems for utility services and watertight seals. The company's ever growing market range can benefit from its broad scope of innovative sealing solutions alongside receiving the highest level of expertise.

In 2018, DOYMA granted Service Sealing Solutions Ltd the exclusive rights to distribute their products in the UK. DOYMA stands on the front line when it comes to the development of innovative, practical solutions for sealing

and fire systems. Providing the very best in German engineering, DOYMA is used to seal penetration points in walls and floors to permanently prevent any infiltration of gases and water into the building. All DOYMA products are designed to solve all watertight duct sealing requirements, prevent against structural damage and incorporate rubber mouldings that ensure all gas and watertight features.

Demanding building types, such as power plants, large industrial plants, reservoirs or airports, often require highly specialised custom-made constructions. They place high demands on the fact that building penetrations such as cables and pipe work need to be permanently sealed. In the case of extraordinary pipe dimensions or special thermal, chemical or physical requirements, sealing systems in the form of a special construction are the required solution.

DOYMA have the expertise and an experience of over 50 years to develop and produce the best solution for any building or project, using state-of-the-art design and manufacturing methods as well as professional simulation methods to ensure safety when using DOYMA special constructions.

Suitable mostly for builders of commercial properties, Service Sealing Solutions Ltd has a large range of DOYMA products that come with a 25-year warranty. DOYMA product brochures are available on the website and include products that have been supplied to some of the UK's largest projects such as HS2

and Kings Cross in London. DOYMA has recently released its new generation Curaflex Nova® gaskets which are the perfect solution for any professional tradesman instantly looking to solve sealing problems and can be adapted to multiple applications.

As a UK distributor for FRANK puddle flanges, Service Sealing Solutions Ltd provide assured watertight sealing of pipes through concrete walls, foundation plates and manholes. The FRANK puddle flange is an extremely flexible product and comes in a range of versions. Made from EPDM, the puddle flanges act as a barrier which are also chemically resistant to a wide range of acids and bases. Depending on the diameter, they are proven to be tight and to hold pressures between 8 to 10 bars. FRANK puddles flanges also offer exceptional



resistance to ozone and weathering conditions, and can be installed during construction resulting in a perfect cost-effective alternative to conventional sealing systems.

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Service Sealing Solutions are the sole UK distributor for pioneering the sealing industry's top manufacturers; DOYMA, FRANK and HKD.

Service Sealing Solutions are the sole UK distributor. Wherever services are installed through walls, ceilings or floors, penetrating water may cause damage to buildings. Lack of attention to the points of entry of pipes and cables into the building can have serious results: damp cellars, equipment damaged by water ingress and high repair costs.

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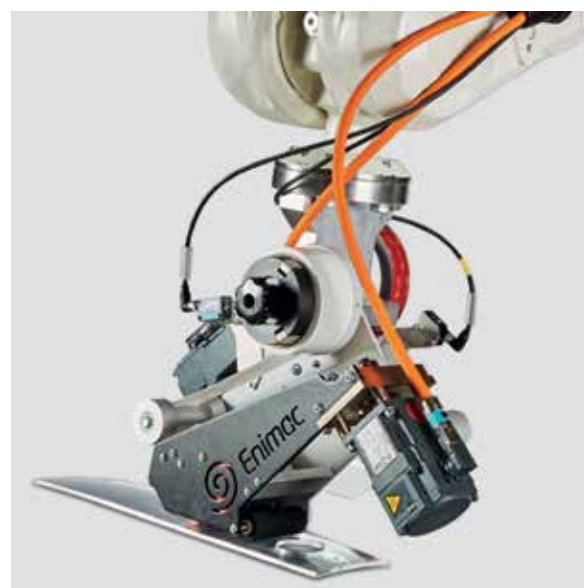
The very best in German engineering is used to seal penetration points at the wall to permanently prevent any infiltration of gases and water into the building, and the duct sealing systems are guaranteed for 25 years.





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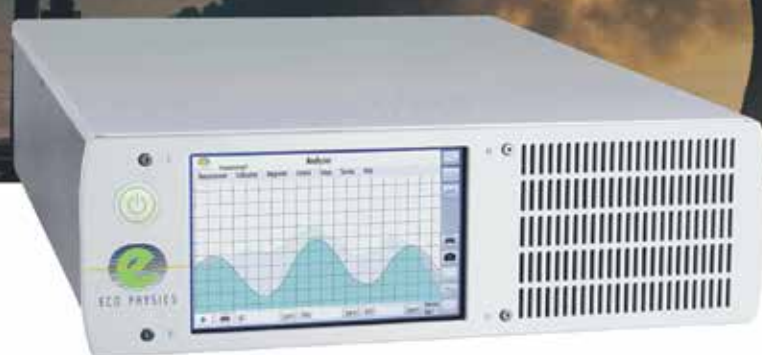
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The company offers sophisticated solutions for a range of applications including Medical, Semiconductor, Automotive, Aviation, Marine and Combustive Engines, Industrial, Environmental, Ambient Air and Research, and NO liquids. ECO PHYSICS AG offers innovative analytical solutions for measurement of nitrogen oxides and related gas components like ammonia, in the fields of environment, health and process control and by using its interdisciplinary research and development team, it can also deliver customer oriented, tailor-made products and services.

ECO PHYSICS AG is highly involved in the Industrial industry and places a large focus on medium NO_x, NO_x-related and multigas-concentrations up to 5,000 ppm where flexibility is a central requirement. Its range of Modular Gas Analyzers include parameters for NO, NO₂, NO_x, NH₃, NO_x-amines, O₂ and CO₂, and typically support applications for industrial emission monitoring and gas manufacturing control. Marked as the industry's finest, their graphical user interface enables a simple operation and shows the performance of each component, as well as being equipped with their own PCB, corresponding with the mainframe.

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Solware: Run by Shooters for Shooters



Solware Ltd is a leading UK Gun Shop that sells all types of Air Weapons, Shotguns and Firearms from almost every supplier available nationwide. The registered firearm dealers supply all kinds of mechanisms from Air Rifle Pellet Guns, Air Pistols, Shot Guns, Cartridges, Air Gun Tuning, BB Guns, BB Gun Air Pistols, Gun Dog Training, 22 rimfire, Centrefire, 17 hmr Bullet Guns and more. Not only that, but they can also supply shooting accessories, catapults and other related items.

Now in their 20th year of trading, Solware Ltd is licenced for the sale of Air Weapons, Shotguns and Firearms. In addition to

its online arm (www.solware.co.uk), the business also trades from a specialised store at the Tame Valley Business Centre in Tamworth, which provides a very friendly and professional service. Solware are also the only gun shop in the country that offers all types of guns from nearly all of the Manufactures available in the UK.

In order to guarantee customers nothing but satisfaction, the team at Solware Ltd work closely with all clients in order to supply them with the specific appliances to meet their needs. As a result of their excellent customer service and extensive collection of devices, Solware Ltd has been nominated as finalists for the last five years for the Gun Shop of The Year Award, and has gathered several five star ratings from customers on TrustPilot.com. With their wide array of guns, friendly service, high quality products, fantastic deals and speedy delivery services, Solware Ltd



are renowned for nothing less than excellent customer service.

If you would like to find out more then don't hesitate to contact the team today, as they will be more than happy to help you with any queries you many have:

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