

INDUSTRIAL SOLUTIONSUK

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The Epitome for Experts in the Medico-legal Industry

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

Editors Comments

Hello & welcome to issue 654 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 UNISIG and Camb Machine Knives.

Firstly, we would like to focus on the accomplishments Mr. Peyton who this month features on our front cover!

Secondly, we are featuring Wise Global Training Ltd with the 'Commitment to Excellence' profile following their impressive performance over the years. For more information, turn to page 10.

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

For all advertising & sales enquiries,
please contact Ian Hayward
0121 241 8788

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Waste Water Treatment News

30 years of experience, expertise & excellence

Bio-Dynamics specialises in building tanks for wastewater treatment plants, biogas plants and industrial and agricultural applications. The company maintains its main head office in Deinze, Belgium, with its UK Division, Bio-Dynamics Tanks Ltd based in Thurnscoe, near Rotherham, and Monostore bv, based in Kampen, The Netherlands.

Bio-Dynamics has gained an impressive amount of expertise, built from over 30 years of experience in the treatment of industrial waste water and environmental engineering. Bio-Dynamics specialises in the building of round tanks with a diameter starting from 15ft (5m) to 164ft (50m) and up to 66ft (20m) in height, with or without a roof, underground or above ground level.



"Our company is the preeminent European designer and installer of insitu-poured reinforced concrete tanks, used for the storage of, and anaerobic digestion of, a wide range of on and off-farm liquids and bio-wastes, such as livestock slurry," noted John Lyndon-Taylor, Sales Manager. The primary focus of Bio-Dynamics is the supply of concrete anaerobic digesters and associated tanks to the Biogas renewable energy sector. For the agriculture market, the company is able to provide biogas-units (in collaboration with key Technology Providers) based on the size of the farm, which are mainly fed with manure and other substrates that occur on the farm.

"The main benefit and service we provide is a full design and supply capability inhouse, maximising the experiences of decades of onsite operations, tailoring the product to our clients exacting requirements. As the company looks to the future, Bio-Dynamics plans to continue focusing on its core activities, working with strategic partners and technology providers to enhance and sustain the burgeoning biogas sector, for years to come.

"Our exemplary record of continued sustainable growth and investment in the ever



more important renewable energy sector, provides our clients the confidence and trust that their project will be met, within budget and to programme," mentioned John.

Bio-Dynamics are keen to discuss any of your needs for liquid containment, and its technically qualified staff are ready and waiting to receive your call to start the process of developing a solution.

If you would like any more information, please see below.

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MR. J.W. RODNEY PEYTON OBE MD

An Epitome for Experts in the Medico-legal Industry

Medicine is regarded as one of the most dignified professions around the world. The relationship between the doctor and the patient stands on pillars such as trust, confidence, and hope. However, like several other industries, commercialization has largely impacted the medical profession and services as well. Today, there is increasing anxiety both within the medical profession and in society regarding the constantly increasing trends of complaints and lawsuits against physicians.

It is imperative for doctors to be aware of the legal aspects linked to their profession and take precautionary measures to protect themselves and their patients from legal traps. The knowledge of medico-legal issues has become as fundamental to the practice of medicine as clinical skills.

Thus, experts in the field of medico-legal services are in demand presently. While several new leaders have been emerging in recent years, veterans like Mr. J.W. Rodney Peyton OBE MD are still regarded as one of the prominent leaders in the medico-legal sector.

A Distinguished Career spanning Over Three Decades

A Consultant Trauma Surgeon by profession, Mr. Peyton has been driven by a desire to improve surgical practice and ensure better outcomes for patients—throughout his eminent career spanning four decades. He has served as the Head of Faculty Development and Examiner Training for the Royal College of Surgeons of London and has been at the forefront of innovation in the delivery of teaching and healthcare.

Widely regarded as the World's #1 surgical coach, Mr. Peyton has received numerous recognitions. He has received the Werner Korte Gold Medal for services to German Surgical Education in 2002. Moreover, he was bestowed with the Medal of the Swedish Surgical Society for his services to medical education in 2005.

He is also a law graduate and has been involved in medico-legal reporting and court appearances as an expert witness since 1983. He is also a founding member of the Expert Witness Institute and has played an important role in providing an independent expert opinion in cases of potential medical negligence. He has been reported over 70,000 personal injury cases as well as being asked to advise in more than 3000 cases of potential medical malpractice.

Mr. Peyton's prowess in the medico-legal domain, blended with his avid experience in both military and civilian trauma has been instrumental in him being regarded as an authority on medico-legal

issues. He has been actively involved in training doctors and lawyers in dealing with medico-legal cases—both individually and in professional groups, also as a trainer and keynote speaker. In a conversation with Mirror Review, Mr. Peyton shed light upon what it is like to be a medico-legal expert in today's world and shared some invaluable insights that would help those aspiring to step into the industry.

A Satisfying Intellectual Exercise

Preparing medico-legal reports—according to Mr. Peyton—is a very satisfying intellectual exercise, particularly regarding malpractice, and is one of the best ways of keeping up to date in his field of expertise. "Each case is unique with many twists and turns. Having to think out the pros and cons in any given range of opinions allows the expert to become even more secure in their own practice which can only be for the benefit of patients," affirms Mr. Peyton.

According to him, the best way to learn anything is to teach it. In this case, barristers/ trial lawyers will ask detailed, probing questions to gain a full understanding—requiring the teacher/expert to more clearly understand their own practice and personal biases as they consider legitimate differences of opinion.

Stay Relevant, Neutral, and Clear

As Head of Peyton Medico-legal Services, Mr. Peyton's philosophy is that the objective is to assist those in litigation including the clients, their legal advisers, and the court to clearly understand the nature of medical evidence in individual cases so they can make informed decisions. It is the court's jurisdiction to determine facts under dispute in a case, and the expert opinion guides the court in its deliberations.

While the judges are highly trained and experienced in the interpretation of the law, they—alongside the barristers and trial lawyers—are not the experts when it comes to healthcare professions. They need help in understanding the medical evidence before them. Thus, the expert must assist the court in decision-making. According to Mr. Peyton, any expert must stay relevant in their profession, remain neutral throughout no matter who is responsible for their fees, and must clearly understand their paramount duty is to the court.

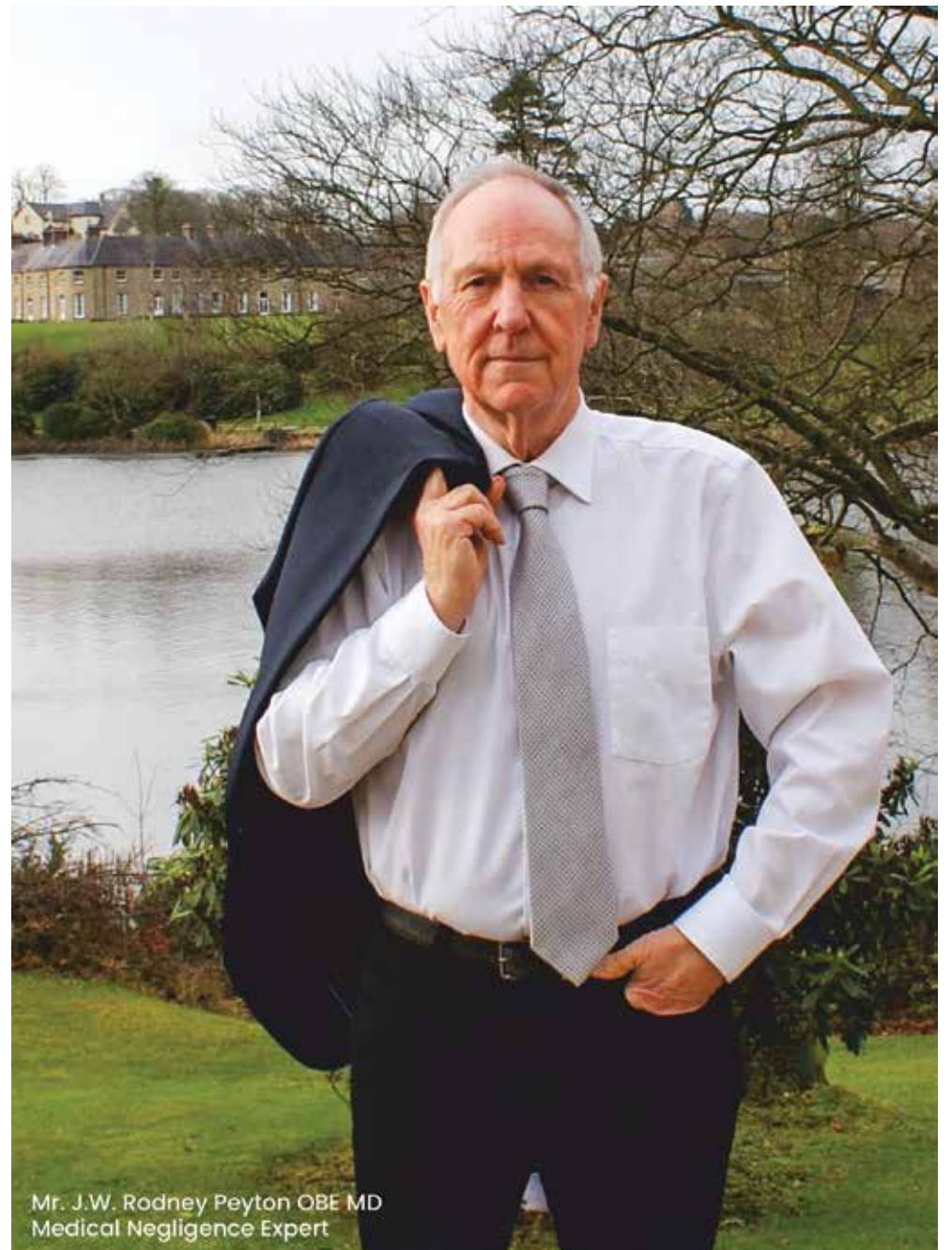
Mr. Peyton further mentions it is important to remember innovation in the legal profession is slow and steady. When in the witness box, an expert must not display innovative behaviors in terms of thoughts about managing cases. As the courts are looking for a fair degree of certainty, all the arguments have to be clear, logical, and well-thought-out. "In this case, experts must acknowledge there always exists a range of opinion and clearly announce with an evidential base as to why their opinion should be preferred," he advises.

Furthermore, an expert having personal prejudices or inclinations can sometimes cause confusion and trust issues. Mr. Peyton, however, believes having a personal bias towards a particular method of treatment is not an issue if the preference is transparent and the expert can demonstrate they are prepared to consider and discuss the viability of other options. According to him, experts require the flexibility of mind to review their opinion if compelling evidence to the contrary becomes available.

Determining the Probability of Success

In recent years, medical negligence/malpractice has become one of the major growth areas in medico-legal practice. However, figures from defense organizations suggest that only a few actions actually succeed with a vast majority failing based on causation. As consequence is not the same as consequence, Mr. Peyton believes that it is important to determine at an early stage the probability of a case to succeed.

To help offset the escalating costs of litigation, Peyton Medico-legal has introduced a provision



of preliminary screening reports to ensure that the elements of duty, breach, and consequential damage are likely to be in place before commissioning other more costly specialist reports. This keeps down the costs for clients and their legal advisors as well as enables lawyers to manage clients' expectations at an early stage at a minimal cost.

"Lack of Professionalism will not be tolerated..."

Mr. Peyton believes that being an expert witness has become more professionalized now than it was when he started. He mentions that courts have tightened up concerning their expectation of witnesses and, of particular importance, has been the loss of immunity from liability for those giving evidence. "Overall, I think this has been for the better. There still tends to be a lot of exaggeration, if not outright fraud, inflicted within the claims industry," he asserts.

The business environment in personal injury cases—with an added emphasis on financial compensation—can induce a tendency to discard facts for portraying the claimant's case in the best way possible. Unfortunately, this has been enabled by some medical practitioners who fail to understand their duty is towards the court and not to those instructing them. This can lead to the defamation of professional medico-legal experts and can have a severe impact on their personal, professional, and financial well-being. Mr. Peyton adds, "The message is clear. Such a lack of professionalism will no longer be tolerated."

Why do Medical Mistakes Occur?

Alongside a lack of professionalism, there are several other mistakes medico-legal experts make. Expressing his views on those mistakes, Mr. Peyton

says, "It is in the way in which decisions are made." According to him, there are three primary types of logical reasoning—deductive, inductive, and abductive. Deductive argues from the general to the specific and if the generality is correct, then the specific is correct. "For instance, if I have a jar of white marbles and I take the marbles from the jar, then those marbles are liable to be white. In court terms, this is the doctrine of *res ipsa loquitur*," he adds.

Inductive logic, on the other hand, starts from the specific and works back to the general. Mr. Peyton illustrates, "If I have five white marbles in my hand and they came from a specific jar, then all marbles in the jar are liable to be white." This, however, may not be true and is the basis of the null hypothesis in statistical research. Thus, papers that states results "nearly reached significance" have to be handled diligently. They either reached significance or they didn't and the problem in the law is arguing with a specific bias and producing only evidence that equates to one side of the argument.

At last comes the abductive reasoning. "For instance, if I have white marbles in my hand and there are white marbles in the jar, then the marbles in my hand came from the jar," states Mr. Peyton. This is a big step and is one of the major causes of medical mistakes where a set of symptoms are assumed to indicate a particular disease process. "This is a cognitive bias where alternatives are not even considered in spite of evidence to the contrary," he adds.

For more information or any queries on Medico-Legal issues, please visit www.rpeyton.com to schedule a complimentary consultation



A slice of excellence



CAMB Machine Knives International has built a solid reputation of excellence for its high quality machine knives, driven by over 34 years of experience. With a global network, the company supplies to industries throughout the world, with an international network operating from its CAMB Machine Knives International's headquarters in the UK, along with agents based in Spain, Holland, France, New Zealand, South Africa, Australia & Israel. The company supplies to over 20 countries worldwide and utilises its established export network, working with several carrier and freight companies, which enables the company to be able to provide a competitive price for each destination.

CAMB Machine Knives International was established in 1988 and has grown significantly, providing high quality knives and outstanding services to a broad range of industry sectors, across the globe.

"We provide great value for money and our range is constantly evolving and changing. We do not provide to only one industry; we cater for a wide variety of industries and their needs. We have been steadily growing and continuing our operations since 1988," stated Jerry Milner, Managing Director.

CAMB Machine Knives International's extensive range consists of many types of blades, including: Circular Knives, Top Dished Knives, Bottom Knives, Razor Blade Knives, Sheeter Knives, Poultry knives, Tissue knives, zig-zag knives, Top/Bottom Knives, Toothed Knives, Straight Knives, Anvils, Tray Form Blades, Razor Blades, Shear Blades, Guillotine Blades, Granulator Blades, Carpet Knives, Tobacco Knives and Confectionery knives.

Alongside its range of knives, the company also offers a full regrind and re-sharpening service on many of the knives it supplies. Bringing new life to old blade, CAMB Machine Knives International offers this service for circular, straight, toothed and special knives which helps to increase the efficiency of the machine. This service can restore knives back to an 'as new condition', providing a cost-effective alternative than purchasing a new set of knives.

The company offers this on a weekly basis, as it currently does with several UK poultry processors. Alternatively,

customers can book a regrind when and if you need it. Furthermore, CAMB Machine Knives International can collect and deliver anywhere in the UK within 24 hours, offering competitive shipping rates and a quick, efficient turnaround.

If a job is urgent, in some cases the company is able to provide the regrind on the same day.

In terms of the company's future, CAMB Machine Knives International plans to continue its successful working model and is not slowing down, rising to the demands of its industry and customer's needs to ensure it provides the best, innovative and constantly evolving product ranges.

For more information, contact us.



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CAMB MACHINE KNIVES

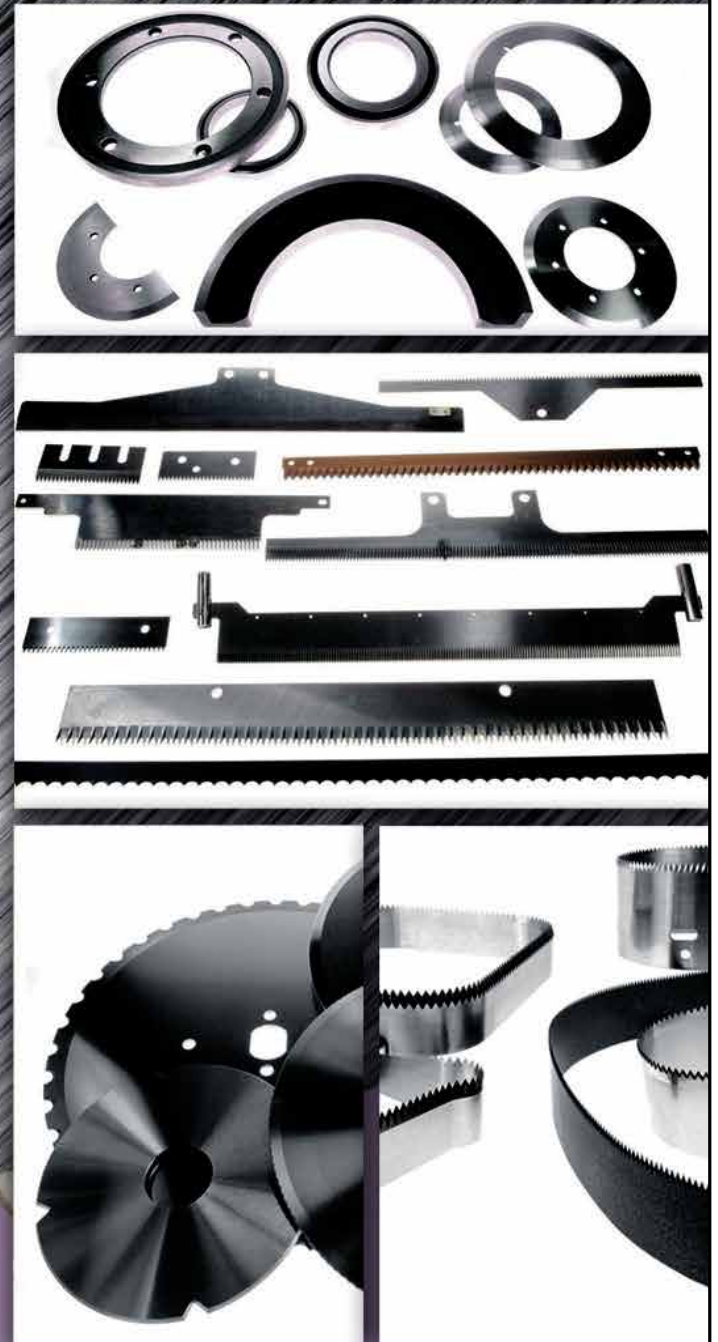
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Drown out background noise with Sound Damped Steel



Sound Damped Steel (SDS) is a multi-award-winning noise control company that specialises in the development, manufacture and supply of highly damped materials for industrial noise and vibration control applications. Sound Damped Steel was launched by Les Thompson who created the company to sell constrained layer damped steel and provide noise control solutions for industrial applications. In 2003, Les rebranded as Sound Damped Steel, with the intention to liaise with noise control consultants to help design, fabricate and install effective noise control solutions. Today, SDS promotes the use of sound deadened sheets of steel and aluminium to OEM manufacturers in any quantity from a single sheet to several tonnes.

"SDS is a specialist company. We help manufacturers design SDS into their products and manufacturing processes to create noise compliant products and quieter manufacturing areas. We are unique as we offer bespoke noise solutions for companies with either noisy factories or products. We can design and fabricate enclosures, screens and guards, supply a kit of parts to retro fit on noisy machinery or supply sheets of steel for manufacturers to make their own products. SDS is available in aluminium, mild steel, galvanised and stainless," stated Les.

SDS has over 30 years' experience in developing new and practical applications for the technology across a wide range of projects to help both end users and leading noise and vibration control consultants, to solve their problems. Using a principal called constrained layer damping to reduce impact noise, radiated noise and vibration, SDS describe their materials as 'if you were to imagine steel and aluminium to have the same acoustic properties of lead, then you will understand how it behaves.'

We spoke with Les who mentioned a product that has recently received much attention, "one area of particular success is removing noise from high pressure gas pipelines using a unique design which enables easy access for inspection, prevents corrosion which occurs under conventional pipeline lagging and is simple to install and remove."

SDS highly damped materials are effective and practical options for panels radiating noise. Sound damped steel and aluminium materials can be incorporated into conveyor systems to provide substantial noise reductions.

Lately SDS has received huge increases in sales of its Soundeck Hi-fi enhancing products during the COVID-19 lockdown. "We put it down to the number of people who were furloughed and listening to more music therefore re-establishing their love of vinyl records. This led them to investigate ways of enhancing their sound system, which led to an increase in worldwide sales of our Soundeck Platter Mat and other Soundeck products," stated Les.

After applying SDS to several major Hi-fi manufacturers, SDS introduced its own range of vibration removing components. The range includes Platter Damping Kit, Soundeck PM, Soundeck Damping Puck DPS, Soundeck DF square sets, Soundeck VTAA Verical Tracking Alignment Tool, Soundeck TAP Tone Arm Protractor Arm, and Soundeck Soft Slip Mats.

The Soundeck Platter Mat is a precision-made sound-damping laminate that has been tailored to the dimensions of turntable platters. Using a constrained layer damping process, unwanted vibrations such as turntable motor rumble and feedback is instead transformed into negligible amounts of heat, so too are the stylus counterforces that occur as the record plays. Moving forward, SDS plans to appoint agents to market and distribute its products on a global basis. In closing, we asked Les what the company's plans are for this year and beyond, he answered, "In the past 18 months we have exported five containers with 20 tonnes of SDS in each to China. We want to capitalise on global growth, therefore, our plans going forward are to appoint more agents, we currently have distributors in Thailand, China, Mexico and the USA which will give us a more dominant market presence."

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Situated in the picturesque village of Orton, The George is a traditional Country Inn and Pub nestled on the border of the Howgills and the Eden Valley. A family run business, visitors at The George can expect nothing less than a warm, friendly and comforting welcome.

Producing an envious selection of traditional real ales and home cooked food using locally sourced produce, The George's menu is an unmissable experience. The George prides itself on using local produce, sourced from within a 20-mile radius of the George Hotel. Offering an abundance of traditional pub grub dishes, alongside its selection of drinks, The George is the perfect

spot to meet up with friends and family. Looking to stay? The George maintains eight rooms on its premises, providing Bed and Breakfast at extremely reasonable prices. The rooms include single, double/twin and a family room.

All rooms contain a TV and have tea and coffee making facilities. Specifically designed to provide a 'home away from home' feel, all of The George's rooms feature comfy beds and a warm, homely feel making them perfect for a snooze after a long day of exploring the nearby attractions. Being perfectly position, Orton is just three minutes from the M6 Motorway (Junction 38) and is four scenic miles from the M6 Motorway (Junction 39).

There is plenty to see in terms of its surroundings and The George is also on various coast to coast and cycle routes including Alfred Wainwright's "Coast to Coast" walk and Walney to Wear & Whitby Cycle Route (W2W). Whether It's for a pint in the sun, enjoyed in The George's outside terraced beer garden or a cold winter's night with delicious food cosied up in front of its roaring log fire, The George offers a relaxed atmosphere with a friendly personal service all year long!

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Metal Improvement News

Experts in life extension of materials & critical components



Curtiss-Wright have a commendable history behind them, having been founded by three of the world's most celebrated aviation pioneers, Orville and Wilbur Wright and Mr. Glenn Curtiss, one of the forerunners of naval aviation. Their companies, the 'Curtiss Aeroplane and Motor Company' and 'Wright Aeronautical Corporation' merged in 1929 in order to create Curtiss-Wright. Today Curtiss-Wright is one of the world's leading advanced engineering companies, having diversified and branched out into numerous different technologies across multiple sectors, including commercial and industrial, defence, power, metals, aerospace and much more.

At the turn of the 21st Century, Curtiss-Wright had grown into a multi-national company, with global sales of over \$2 billion and having acquired almost 60 businesses. Many of these companies still operate under their original name, such as Metal Improvement Company, Bolt's Metallizing, IMR Test Labs, Component Coating and Repair Services and more who now are part of Curtiss-Wright Surface Technologies. These various divisions offer a wide variety of different specialised surface treatments such as thermal spray coatings, solid film lubricants, shot peening technology and much more.

Curtiss-Wright Surface Technologies, one of their most well-known and international subsidiaries, specialises in providing material surface treatment solutions, focuses on enhancing the performance of critical materials and components. As many of their clients are in heavy engineering based industries, critical components are often of vital importance. Not only do they need to be specially designed to precision specifications, but they need to be long lasting and properly maintained too.

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Cashflow Solutions from Paul Michel Finance

Many companies at some stage find themselves in need of cash – for meeting monthly expenses, payroll, tax liabilities, or new opportunities. It can be a frustrating position, to be awaiting satisfaction of invoices for work already completed as bills pile up or opportunities slip away. Although Government-backed schemes have helped a vast number of companies weather the challenges of the past year, many others have been unable to access funding. Paul Michel Finance is a partner of Fifo Capital England, providing short-term financing solutions to limited companies in need of cashflow.

- The company offers three main funding strategies:
1. Elective Invoice Discounting: Paul Michel Finance purchases invoices for work already completed, advancing up to 85% of the invoice value to its clients. When the invoice is satisfied after 30, 60 or 90 days, the company deducts costs and passes on the residual to its clients.
 2. Short-term Business Loans: Paul Michel Finance provides secured loans to businesses from 3–12 months, or negotiable thereafter.
 3. Trade Finance: Paul Michel Finance purchases supplies for its clients, secured against verified

purchase orders and the resultant invoices.

Solutions can be tailored to clients’ needs, incorporating some or all of these strategies. Clients are grateful for this flexibility. They are not tied in to long-term contracts, only using the company’s services when they wish to. Nor is there the need to provide Paul with the whole book of invoices. Moreover, decisions can be made more quickly than many institutions, and this means access to funds much sooner. There is no typical client for Paul. Some have enjoyed healthy finances, but require flexibility and speed

for occasional purchases. Others have struggled to secure finance from more traditional lenders. A number of his clients have sought to grow their business, and others just to refinance. Short-term finance offers flexibility, discretion and speed for companies in need of funds. As businesses begin the journey of economic recovery after the past year, they might do well to consider short-term funding secured against work already done.

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Reliable, efficient and experienced financial advice

In this issue of Industrial Solutions, we are proud to announce that we have selected Tony Welsh Independent Financial Adviser as our Financial Advisor of Choice.

Tony is a fully qualified Independent Financial Adviser and Financial Planner and is a self-employed associate of Excel121 Ltd.

Based in Wokingham, Berkshire, Tony Welsh offers person to person advice across the whole of the market and is not tied to any particular provider. Covering a multitude of sectors, he offers a plethora of expert advice in the following areas: pension and insurance provision, investments, mortgages including equity release, pre and post retirement planning, inheritance tax mitigation, care fees planning and personal protection, in which he offers an unbiased approach.

Clients benefit from Tony’s over 25 years’ experience as a financial adviser and his high standard of service, which is ensured and regulated by the Financial Conduct Authority.

“We are in the financial advice sector. I have the necessary qualifications to advise on all aspects of financial planning and offer face-to-face confidential personal advice in the comfort of the client’s home rather than in an office. This includes reviews of client’s investments and pensions on an ongoing basis. I have over 350 personal satisfied clients within the Thames Valley region especially around the Berkshire, Hampshire and Surrey areas,” said Tony.

Tony Welsh Independent Financial Adviser helps clients with protecting their income while working. With many people now coming up to pension age within society, they should realise they can now be in retirement for as long as they have been working.

In terms of pension and income in retirement planning, Tony has the skills and advice on fund performance and charging structures of existing plans, pension transfers and amalgamations, when and

whether to take an annuity or income drawdown at retirement, and enhanced annuities.

Here is what Tony had to advise, “It is imperative that people get good initial and ongoing advice with what to do with their hard-earned savings. There are now fewer financial advisers than in the past with banks pulling the plug on these. We at Excel offer completely confidential and unbiased advice going forward from fully compliant and trustworthy individuals.”

Financial advice is offered to clients of all ages and demographics. From individuals, families, those still in employment and retirees. Tony Welsh Independent Financial Adviser is here to help. Specifically, Tony is interested in speaking to those who have had life changing events such as having children, getting married, experiencing bereavement, or individuals who are looking to explore their retirement options. Tony can help provide these people with peace of mind and expertise from a trusted, experienced financial adviser such as Tony Welsh Independent Financial Adviser.

There really is now better time to seek financial advice and as Tony states, “Get advice, now whilst the experience is there.

If you would like to find out any further information on Tony and his services or to speak to him directly, please see the details featured below.

Contact
T 0118 4028978
M 07768 320430
tony@tonywelshifa.co.uk
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Tape Application News

Tape Application Made Easy

X-treme
Tape applicators

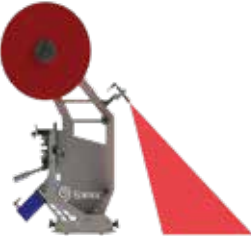
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RFID Solutions News



Everything RFID in One Place

We are experts in helping businesses improve efficiency through RFID solutions. RFID, which stands for Radio Frequency Identification, is a technology system that can identify an object using radio waves. At TEC-RFID, we believe RFID will bring big advances to retail, warehousing, manufacturing, construction and more. We make it as simple as possible.

Contact us for more information by emailing info@tec-rfid.co.uk or visit www.tec-rfid.co.uk

Manage Your Assets with RFID

Major operations involve hundreds or thousands of different assets and it's easy for valuable equipment to be misplaced or lost. Taking inventory of your assets is a time-consuming and sometimes inaccurate process. That's where RFID Asset Management comes in. With all of your assets monitored by RFID tags and readers, you can know exactly what equipment you have available in real-time. That information helps prevent losses and helps you make informed business decisions. But the benefits don't stop there.

With RFID, you can track not only the location of the asset, but also its condition. RFID tags enable you to instantly see when equipment was last inspected and when it's due another inspection or to be replaced. This reduces downtime because you can repair or replace important equipment at the right time. It also streamlines your maintenance process.

You can also track the movement of assets, so you get alerts when a piece of equipment has left its designated area. People can also be tagged with RFID wristbands, which can be vital when moving heavy equipment, to improve safety by ensuring each worker is out of the way. If you have valuable fixed assets and are having trouble keeping track of them, an RFID asset management solution can not only save you time with manual tracking, but also save you money by reducing lost assets and improving maintenance.

RFID Asset Management is suitable for large or small businesses, with flexible monthly plans available. Ready to get started with RFID asset management? Contact TEC-RFID for a free consultation and online demo.

T 0844 870 7873
info@tec-rfid.co.uk



Way above the rest

Direct Hoist specialises in GEDA construction hoists and transport platforms, providing high quality, reliable hoist equipment to the construction industries. Boasting a team of hoist experts, the company implements a cost-efficient construction hoist solution for a variety of hoist requirements. With over 30 years of experience, the company showcases its wealth of knowledge through hire and sales of GEDA hoists and accessories.

Through the use of GEDA, the hoists guarantee

reliability as they are manufactured through traditional German manufacturing practices of competence. Direct Hoist provides a vast range of GEDA Hoists, from small to large sizes, and it provides a diverse range of hoists with load capacities of 150kg to 3,700kg.

In terms of hoist types, the company maintains a diverse range of hoist products and capabilities. Direct Hoist provides a range of hoists for hire and hoists for sale. Within these

ranges they include: scaffold erection hoists, goods hoists, transport platforms, inclined tile hoists and XL hoists. With the highest quality being of the upmost importance to Direct Hoist, the company adheres to providing modern, sustainable hoists, which are maintained, installed and dismantled by a team of highly-qualified hoist specialists.

With this in mind, Direct Hoist boasts an array of accreditation, including Constructiononline,

and the firm is also a member of Construction Plant-hire Association, Construction Hoist Interest Group and Construction Industry Training Board.

Direct Hoist also ensures that its hoist installation supervisors are trained to an NVQ Level 2 diploma in hoist installation.

T 01724 781647
www.directhoist.co.uk



Enimac unveils its plans for the future

Enimac is part of the tape-converting group Biemme Adesivi. A few years ago, as a result of a need for more space, the company moved into a new building. Now, needing to expand again, the group has purchased the building next door with Enimac foreseen to move over in 2022 with expanded office and manufacturing space along with a showroom area where they can show and test their standard as well as industrial tape application solutions, expanding their ability to do proof-of-concept testing for clients.

Enimac began implementing a new distribution strategy in 2020 shifting attention towards tape converters. This was to align their network with what they were already doing in Italy, offering a complete solution, tape + automation. Over the next 12 months, they will continue to develop this creating new relationships around the globe. Specifically for the UK, they have 2 new distributors of their standard tape application equipment: Viking Industrial Products Ltd. (www.vikingtapes.co.uk) and Industrial Business Solutions (www.tapes.co.uk), part of Coastline Adhesive Tapes Ltd.

Among new entries in their standard machine line-up, they have a 100mm applicator for their small-medium format X-treme Light product line since wide tape strips are not only applied to wide format substrates. They've also introduced a new X-treme PRO E-commerce version outfitted with spool unwinder and a 60mm applicator with a double-spindle tape drum able to apply 2 strips of double-sided tape and 1 strip of tear tape simultaneously, greatly reducing the footprint necessary for this type of application. It accepts formats up to 1.6m wide and 15mm thick.

In addition to their standard machines, which are often used in the printing, packaging, signage and wall-protection systems industry (they apply tape basically to anything flat), Enimac also offers applicators to integrate (on robots/cobots, folder-glue, slitter-rewinders, in production lines, and other machinery) and complete custom equipment (including 2 and 3 axis cartesian and pick & place systems). For these more complex solutions contact Enimac directly.

You can't just say 'abracadabra' and, bingo, have a solution: it takes real people listening to clients, analyzing processes, designing and building reliable solutions. Enimac work together with converters to choose the right tape for your automated application and with top-rated technology companies to offer complete, state-of-the-art solutions. Enimac is exactly what they say they: "We're not just another special purpose machine design company. We have tape in our DNA."

For more information, please see below:
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www.enimac.it/en



Measurement & Estimating News



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Quality hinges since 1790

Gold & Wassall Hinges has established itself at the forefront of the industry since its inception over 200 years ago. With its manufacturing facilities situated in Tamworth in Staffordshire, Gold & Wassall Hinges provides an impressive range of services for design, production and manufacture of hinges, all produced in house and distributed throughout the whole of the UK. Boasting an enviable reputation within the industry, Gold & Wassall Hinges has positioned itself firmly as the UK's number one manufacturer of hinges.



Gold & Wassall Hinges has provided its services to various customers throughout its years in operation and serviced customers from

construction to engineering companies. With a proven track record of quality, reliability and durability, Gold & Wassall Hinges ensures it maintains complete control over the design and high quality of its goods.

Customer service is an integral focus for Gold & Wassall Hinges and the company ensures it provides a first class turnkey service, from initial enquiry to delivery and aftersales care. With a team of expert sales reps, Gold & Wassall Hinges is well equipped in providing a personal service to fulfil the needs of each and every



customer. Its sales reps engage on a personal basis and get to the customer's requirements upon placing an order, advising on and handling everything from measurements, style to fitting; the company is dedicated to finding the right door hinge solution for its customer.

QUALITY HINGES FOR OVER 200 YEARS

Gold & Wassall have been manufacturing hinges for over two centuries, so it's safe to say we know what we're doing. Our team of experts can design and manufacture almost any hinge, for any application. We have made upwards of 250,000 unique hinge designs, with more designs being drawn up each day.

SEE MORE AT GOLDWASSALLHINGES.CO.UK/BESPOKE



BESPOKE HINGES



GOLD & WASSALL

EST. 1790

01827 63391 - SALES@GOLDWASSALLHINGES.CO.UK - [@GWHINGES](https://www.instagram.com/gwhinges)

T 01827 63391
www.goldwassallhinges.co.uk



In keeping with the company's goal of providing unrivalled customer service, Gold and Wassall Hinges also provides an abundance of finishing options for its customers. The company is dedicated to providing not only durable, high quality hinges, Gold & Wassall Hinges understands the importance of an aesthetically pleasing, customised design. Able to customise colour, add branding and create a smooth premium finish, Gold & Wassall Hinges' array of finishing options are the perfect complement for its hinges and create a smooth premium finished look.

Providing a full service comprised of a comprehensive design and manufacturing service, the company offers a wide range of hinges from continuous/piano hinges, butt and backflap hinges and standard, to heavy duty and bespoke made to order hinges. Using the company's automatic section which contains eight lines of automated machines, Gold & Wassall Hinges is able to make hinges quicker and to almost any length. The company also maintains the specialist tooling for these machines which can complete multiple operations in each press.

Gold & Wassall Hinges is the only hinge company whose hinges are UK made and all of Gold & Wassall Hinges' stock is available for immediate dispatch.

Gold & Wassall Hinges understands that some projects will require a custom built solution. To aid its customers with custom built requirements, Gold & Wassall Hinges provides a bespoke design and manufacturing service. This service enables the company to be able to create virtually any hinge requirement, facilitating the company to be able to develop both complex designs and simple designs, requiring small alterations.

The company has demonstrated its wealth of expertise and consistency in exceeding expectations. Its sheer magnitude of industry leading expertise echoes throughout Gold & Wassall Hinges' services, which has enabled the company to continue its operations throughout the COVID-19 pandemic, and beyond.

For more information, please see the details below.

Commitment to Excellence

Make the Wise choice!

In this issue of Industrial Solutions we are proud to announce that we have selected Wise Global Training as the recipient of our Commitment to Excellence Award.

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.




"With recent success and acceptance of online training that has been spearheaded by COVID-19, we are continuing our course development to increase the number of relevant accredited courses we offer," stated Dave Newgass, Managing Director. After an increased interest in online courses following the COVID-19 Pandemic, the company has many plans in terms of strengthening its global presence and course offering. Dave explained, "We are in talks to open satellite offices in South Africa and Dubai where our courses are very popular and respected in the health and safety industry."

With now another award securely under its belt, we asked Dave about how the company feels after receiving our award, for the company, he told us that, "We are very honoured to have received this award as it's testament to our desire to do our best so others can succeed."

If you would like to find out any more information, please see the details below.


T +44 (0)1482 211989
<https://wiseglobaltraining.com>





Does the Coronavirus (COVID-19) have you working from home or self-isolating?


Make the best use of your time





Make the best use of time for you or your staff by taking an accredited online health and safety training course. NEBOSH, IOSH and CPD Short Courses to help you use your time wisely. You can study from home and at your own pace.

- ✓ IOSH Managing Safely Online Course
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Contact us today and we'll help you save time and money!
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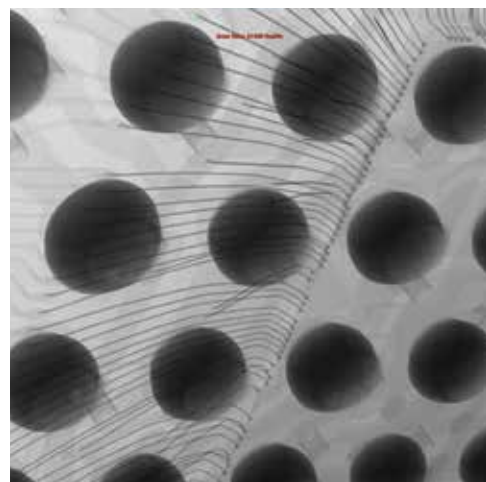
 01482 211989

 wiseglobaltraining.com

 info@wiseglobaltraining.com

Electronics News

The relative merits of X-ray and CSAM inspection for failure analysis



Modern electronic – and even electrical – subassemblies are complex devices that can fail for many reasons, either during manufacturing or in the field. Some failure modes, such as delamination, voiding or solder bridging, are mechanical, yet they cannot be easily seen as they occur internally.

Accordingly, a non-destructive way of viewing the subassembly's internal construction and components is needed; one that supplies images of sufficient resolution to clearly show where the fault lies.

In fact, two complementary approaches are available: X-ray inspection and Confocal Scanning Acoustic Microscopy or CSAM.


Broadly, CSAM reveals air gaps, voids, and delamination in materials that X-Ray cannot see, conversely, voids in a BGA ball would be difficult to visualise with CSAM but easy with X-Ray.

CSAM techniques and systems non-destructively inspect materials layer by layer, delivering accurate and comprehensive results for failure analysis, strength, durability and reliability testing, and other insights.

X-ray and CSAM are somewhat overlapping yet also complementary technologies. One alternative is to use an inspection and test house like Cupio. This will give you access to either technology when you need it, without

having to invest in capital equipment.

Contact
info@cupioservices.co.uk
www.cupioservices.co.uk





THE PLACE FOR Failure Analysis and In-depth Non-Destructive Inspection


Cupio Services brings knowledge and expertise gained through many years of working with some of the world's best X-Ray, test and AOI systems to our new facility in Chineham Business Park, Basingstoke.


Whether you need to diagnose production or in field failures, validate complex manufacturing procedures or perfect new product introductions, we're here to help.


We have a variety of cutting-edge inspection and test equipment on hand, including functional testers and counterfeit part detection, high resolution x-ray with multiple CT imaging options, and acoustic microscopes for delamination detection within boards or complex devices.


We have the capability to find the smallest defects within your samples and image them with sub-micron resolution. Full failure analysis reports can be provided to help you understand where and how issues are occurring.











BUILDING UPDATE

ISSUE: 654 April | www.solutionspublishing.co.uk

The UK's number one sealing solutions provider

At Building Update, 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 Service Sealing Solutions Ltd as our Sealing Solutions Provider of 2022 and the recipient of our Commitment to Excellence Award.

Service Sealing Solutions Ltd provide a number of different sealing solutions across the UK to both the public and private sectors. As the sole UK distributor for the sealing industry's top manufacturers; DOYMA, FRANK and HKD, Service Sealing Solutions Ltd offers the UK the most extensive range of products that are German manufactured and far outweigh that of any competitor.

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.

Lastly, Service Sealing Solutions also supplies HKD products, which are now owned by DOYMA. HKD manufacture a large range of pipe sealing systems and service conduits that are guaranteed to withstand up to four bars pressure. HKD systems have a sealing solution for service conduits cast into concrete without the sleeves. They are supplied and ready to use, requiring no site preparation work prior to installation. With options such as KE Socketless service conduits, KG Wall Ducts and Floor Ducts, together with KG Twin Sockets for installation in pump sumps, HKD products are ideal for situations where suitability for thin-walled concrete structures is vital.

For more information, see below.

T 01952 510050
www.servicesealingsolutions.co.uk



Service Sealing Solutions Ltd



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.

Service sealing systems ensure professional and perfect pipe sealing, thus presenting excellent preventative measures against structural damage.

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.



Rapid
SPEC

DOOR SCHEDULING SOFTWARE

RapidSpec
see them on.....II



Vandecasteele Houtimport
see them on.....IV



DB Fire Safety Limited
see them on.....VIII



DCON Safety Consultants
see them on.....IX



MAC Cabins Limited
see them on.....XIV

Unbeatable Varnish for a Range of Uses

Le Tonkinois Varnish is a specially designed varnish that was first formulated back in China almost three centuries ago. The natural oil based yacht varnish comes with a range of excellent benefits, including being permanent, removing brush marks, not cracking or flaking off.

On top of that, the varnish boasts exceptional corrosion protection for metals and has a durable coat too, meaning it can withstand impact without peeling or cracking.

The highly raved about varnish can be seen on yachts and boats, whether in fresh water, sea water, or sludge up and down the country. Not only that, but you can also use Le Tonkinois Varnish in kitchens, outdoor and interior woodwork.

As a result of being fully waterproof and non-microporous, the varnish is resistant to boiling water, alcohol and has even been classified as safe to use in food areas.

Le Tonkinois Varnish can also be used to stain wood, and pigments can be mixed in with the varnish if a particular colour is desired, whilst still allowing the wood to breathe, a feature not typically found among other varnishes.

The varnish is also naturally glossy and can be made matt or satin with an additional coating of Gelomat.

If you would like to find out how you can get your hands on some of the remarkable Le Tonkinois Varnish, or would like to find out how you can use it for your own needs, then be sure to get in contact using the number below.

Alternatively, more information can be found by checking out the website.

T 01628 629892
www.letonkinoisvarnish.co.uk



Oak framed buildings with strength you can trust



Bring the beauty of oak frames to your home with Crown Oak Buildings. Specialising in the design, manufacture and construction of oak framed structures, Crown Oak Buildings can help you create a unique garage or extension made from sustainably sourced timber to perfectly complement your home.

Merging old and new, Crown Oak Buildings uses the practical experience of its expert team alongside new technology to offer bespoke oak frames with strength you can trust. The company's website even features an online garage builder, a design tool which allows its customers to create their own garage and receive a quote straight away.

Established over two decades ago, Crown Oak Buildings uses sustainably sourced green oak with contemporary methods of construction to create buildings which are not only built to last, but actually improve over time. Traditional at heart, these oak framed structures are geared for modern life and are truly stunning to both look at and live in.

Whether your project is small or large, Crown Oak Buildings takes the same approach, dedicating time to get to know you and your lifestyle so it can design an oak framed structure which perfectly suits your location, your style, and your budget.

T 01732 866 910
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Door scheduling made easy, fast and error free

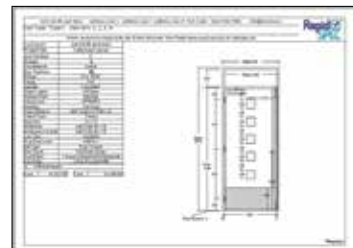


Established in 2002 by Derek Brown, RapidSpec is the first software developed for automatically creating door schedules, drawings, project estimates and bills of materials. Designed to eliminate errors in door set specification and the production of door schedules, RapidSpec is an industry leading software product proven to find any doorset's details from any customer and any project within 15 seconds.

"As software specialists for manufacturing processes, we have produced a software system for fire door manufacturing that not only improves productivity, ensures a faster turnaround and is proven to eliminate a greater number of errors, but also results in lower admin costs whilst producing a higher return on investment than other software systems on the market," stated Carol Cole, Business Consultant.

With RapidSpec everything is instant. Long gone are the days of spreadsheets, RapidSpec offers instant quotations that include all of the auto generated doorset

drawings required. Simple to navigate, the operator uses multiple choice, yes and no questions together with the required dimensions and RapidSpec does the rest. The process is time efficient, cost effective and simple to use.



Manual data entry falls victim to human input error, which is both time consuming and frustrating for the employer and the employee. It not only impairs performance and efficiency but can result in higher operating costs and fluctuating levels of performance and continuity. With this in mind, RapidSpec offers two services: Fire Door Scheduling and Door Manufacturing Software.

Door Manufacturing Software allows manufacturers to produce detailed door schedules much more efficiently than traditional spreadsheets, calculators and catalogues. RapidSpec uses the existing skills of your estimator who will be able to create professional quotations immediately

with just one hour of training. The orderly input of data ensures that nothing is left out and everything is checked. From the data input RapidSpec then automatically creates a scaled, detailed, and dimensioned doorset drawing.

Ideal for manufacturers and fabricators of custom, standard interior and exterior doorsets, as well as architects, contractors and fire door manufacturers. "We have now introduced a barcode functionality and we are constantly updating and improving the software to create greater efficiencies for our clients," said Carol.

It is vital fire doors are designed and manufactured to the right specifications to ensure they have the correct level of fire resistance. Fire Door Schedule is a door specifying and scheduling software from RapidSpec that allows door manufacturers and designers to quickly and simply create accurate fire door schedules from standard specification sheets. The simple process is designed so that the operator only needs to answer a few questions and input the dimensions of the door for the software to then produce an accurate fire door schedule complete with diagrams, dimensions, project estimates and bill of materials.

Over the years, RapidSpec been continuously developing its software to offer the best solutions to its customers. Despite the pandemic, the company has



Robin Bell, Sales Manager at Rapid Spec

achieved further growth and has big plans for the future. Robin Bell, Sales Manager at Rapid Spec commented, "We are expanding internationally, with a focus on the Commonwealth in the first instance. We have also just recorded a video highlighting the enormous benefits of using RapidSpec on our customers' productivity. This should be available on the website very soon."

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- RapidSpec will give you 20 - 30% more quotations from your estimators and at the same time make their work easier and much less stressful.
- The savings from RapidSpec's error free automatic bill of materials alone is normally enough to pay for the software.
- Take the worry and stress out of scheduling. In the background, as you select items, RapidSpec is making hundreds of checks for you. Less double checking = higher output!

Covers Timber Invest in Salvador Crosscut Technology from Daltons Wadkin

The installation of a Salvador SuperPush 250 chain fed automatic crosscut saw has allowed Covers Timber and Building Merchants to keep pace with increasing production demands and provide flexibility in staffing within their feeder mills.

Having supplied timber and building materials across the South East for over 175 years, Covers now boast some fifteen branches with an extensive range of over 25,000 product lines. Wanting to satisfy growing customer demand Product Manager, Peter Openshaw, saw an opportunity to help push themselves ahead of the competition.

"We are fortunate that we have highly-skilled sales people, excellent production capability and a very positive attitude being open to new opportunities", comments Peter. "Our

ability to source most things and improvise and adapt ourselves to reflect our changing market helps us achieve strong performance results. Our competitors are very good indeed so this pushes us to try even harder."

Following a thorough investigation of available crosscut saws on the market, Peter contacted Daltons Wadkin, sole distributors for Salvador in the UK and Ireland. "Peters requirements were very familiar – we have helped dozens of timber merchants with similar projects and I knew immediately we had the right solution", enthuses Daltons Wadkin Sales Director, Andy Walsh. "For high production crosscutting the Salvador SuperPush range is ideal; automatic push infeed, cutting list optimisation, heavy duty construction; easy to use".

The Salvador SuperPush 250 is a programmable crosscut

saw capable of processing up to 130 cubic metres of timber per shift. Up to 7 infeed loading chains ensure the machine is continually fed with individual or stacked work pieces while the outfeed collection area is automatically cleared for uninterrupted production.

Covers investment in a Salvador has given them flexibility in staffing which in turn has positively affected growth.

Turnkey delivery and commissioning was provided for Covers, expertly managed by the Daltons Wadkin project installation team. "We have a dedicated group of engineers within our service department whose sole focus is on delivering a frictionless installation and dedicated ongoing support when required", comments Andy. "We go to extreme lengths to ensure all our customers receive the best possible service for the life of the machine."



For more information on the Salvador range of crosscut saws, contact Daltons Wadkin on 0115 986 5201, email info@daltonswadkin.com or visit www.daltonswadkin.com

Automatic crosscut saws

Daltons Wadkin offer a comprehensive range of automatic programmable crosscutting systems for straight and angle work complete with powerful optimisation and defecting software as standard.

production costs reduced by up to **50%**

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Complete compliance solutions



Since 2014, CheckedSafe has provided simple and inexpensive tailored compliance solutions. Established by Gary Hawthorne and Darran Harris, CheckedSafe is a SaaS platform compliance provider providing several apps and a web-based reporting system that is multi-functional and secure. The CheckedSafe system offers organisations a complete solution, enabling them to manage and protect their workforce and comply with legal compliance requirements whilst reducing cost and liability. "We can provide you will a fully integrated solution - you can be completely paperless - also by using our system properly you will have a legally defensible product. We bespoke templates on the app to suit individual requirements, our latest release now means that the client can also do this themselves," said Gary.

Located in Burnley, its system is global and can be accessed from anywhere as long as you have an internet connection for the management portal, the app itself works off line and on-line so there is no restriction on using the app. Both Darran and Gary's individual expertise has resulted in CheckedSafe being a nationally recognised company. "I am a transport professional with 30+ years in commercial transport, and Darran has 25+ years as a solicitor, so our individual skills set us apart from other "IT" providers in the industry," said Gary.

CheckedSafe has a range of services from vehicle compliance solutions, compliance and regulations, risk assessment and incident reporting tools via the App that enables them to offer the client a complete solution. Gary explained, "We constantly develop our product from user feedback. We release new features at least every quarter and a new app probably every four months depending on what features we have developed. Customer feedback is critical to us, we know a lot about transport, but the end users have great ideas that we take on board and use to develop free of charge and push out to the CheckedSafe community." CheckedSafe's web-based reporting system is accredited by DVSA and the FLTA and utilised across all fleet types of HGV, PCV, VAN, plant or utilities. If it needs a checklist, CheckedSafe can digitise and catalogue it, providing you with a cost-effective compliance solution.

With much of the industry yet to explore, over five million commercial vehicles in the UK and over 20 million pieces of plant, there is a huge market for CheckedSafe to expand into. "Our plan is to furrow into the fleet industry and develop new features, and if from this market we get new ideas then we will look to develop them further. We have recently developed our API to link with Dynamic 365 for a large crane operator which will come into development later this year/early 2022," stated Gary. We have lots of developments in our pipeline – some very exciting that will be real game changers. Despite COVID-19, CheckedSafe has managed to outsource all marketing resulting in an increase in in-bound enquiries. Utilising platforms such as Zoom and Teams, less time has been spent travelling and more focus has been on growing the business from home.

Eight years ago, CheckedSafe was an idea, that today, has flourished into a fully successful business. Gary and Darran are passionate about what they do and provide a skill set that boasts professionalism and expertise. "We know our industry and our clients have an immediate infinity with us and put faith in us," said Gary.

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Vandecasteele Houtimport's No.1 objective – 100% Certified Timbers from 2025 onwards

A family-run timber company Vandecasteele Houtimport, founded in Belgium in 1883 is today run by the fourth and fifth generations of the Vandecasteele family. A modern and expanding business, it has a long-term commitment to service a wide variety of customers in the construction, joinery, cladding and furniture sectors, as well as the high-end marine industry.

Vandecasteele Houtimport imports timber and timber products from over 45 countries worldwide. Its facilities are located in Kortrijk, Aalbeke, Belgium, where the company specialises in the import, trading and export of tropical hardwood from Africa, Southeast Asia and South America. The company also provide Scandinavian and Russian Softwood, Siberian Larch, North American Soft and Hardwood and European Hardwood.



Working alongside timber importers, timber merchants and wholesalers, the company is able to deliver stock that is difficult to source within days using its own fleet of 18 vehicles. In a matter of days, Vandecasteele Houtimport has the resources and ability to adapt and bridge the gap between sources of supply in Africa, Far East, South America and North

America to Europe. This makes the company the first choice with many importers and merchants.

The company has over 130 timber species in stock including the new addition of certified European Oak in Joinery, Prime and Super Prime grades and certified steamed Beech in all qualities. From the most expensive and rare hardwoods, to a full assortment of softwoods in all qualities and sizes, everything is neatly bar coded and displayed.

CERTIFIED timbers: Its impressive and vast stockholding of hardwoods and softwoods is coupled with strong environmental credentials (FSC®, PEFC, OLB, LegalSource™) and an efficient, accurate processing of customer orders. The company has set a challenging goal to trade in 100% certified timbers only from 2025.

Aligns with the 17 sustainable development goals
Vandecasteele Houtimport has set a challenging goal to stock 100% certified timbers from 2025. Currently, 100% of the softwoods the company stock is already certified and over 65% of the tropical hardwood. This number is continuously growing and makes Vandecasteele Houtimport the biggest stockholder of certified tropical timbers in Europe.

Vandecasteele Houtimport now provides its newest addition of stock that is certified European Beech and Oak in Joinery, Prime, Super Prime grades and flooring. The variety of stock from the company embellishes the company's taglines of 'Choose Life, Choose Wood' and 'Using timber is good, using certified timber is wonderful!' Vandecasteele Houtimport really do love what they do and have a strong passion to grow within the industry.

One way in which the company is making growth take place is its reaction to how BREXIT has and will change the industry. To combat new rules and importation structures, Vandecasteele Houtimport has set up a company in the UK – Vandecasteele Timber Ltd – that facilitates the trade to all UK partners.

Vandecasteele Houtimport endeavour to show that timber is the world's most ecological and sustainable material. And its future plans only echo the company's approach to sustainability within the industry. Vandecasteele Houtimport has a dedicated team to ensure all due diligence is up to date and in addition to the strict process, the company has invested in a forest engineer in Brazil to ensure full control on the CoC of the Brazilian timbers purchased.

Circularity
Vandecasteele Houtimport are passionate about timber being used for sustainable building and construction material. Every step the company make boasts several ecological advantages showcasing the use of timber compared to traditional materials. With a low embodied energy and minimal carbon impact, timber really is the most sustainable material. It has an ecological, recyclable and biodegradable nature, which is why Vandecasteele Houtimport is implementing a strict sustainability policy in all of its future actions and activities.

Since the year 2000, Vandecasteele Houtimport has committed itself through the Corporate Sustainability Charter by signing up to environmental objectives exceeding applicable environmental legislation. This year, Vandecasteele Houtimport has achieved the Charter for the 20th time in a row, which makes


Vandecasteele one of the few laureates who participated for 20 consecutive years and successfully completed the trajectory. All the initiatives are linked to the 17 sustainable development goals of the United Nations. A good annual assessment ultimately yields an annual certificate of the Voka Sustainable Business Charter. When the final balance is positive after three years, and companies have elaborated at least one action in each SDG, companies receive the internationally recognized Unitar-SDG Pioneer certificate.

Vandecasteele Houtimport is the first timber company in the world to have obtained the Unitar-SDG Pioneer Award!

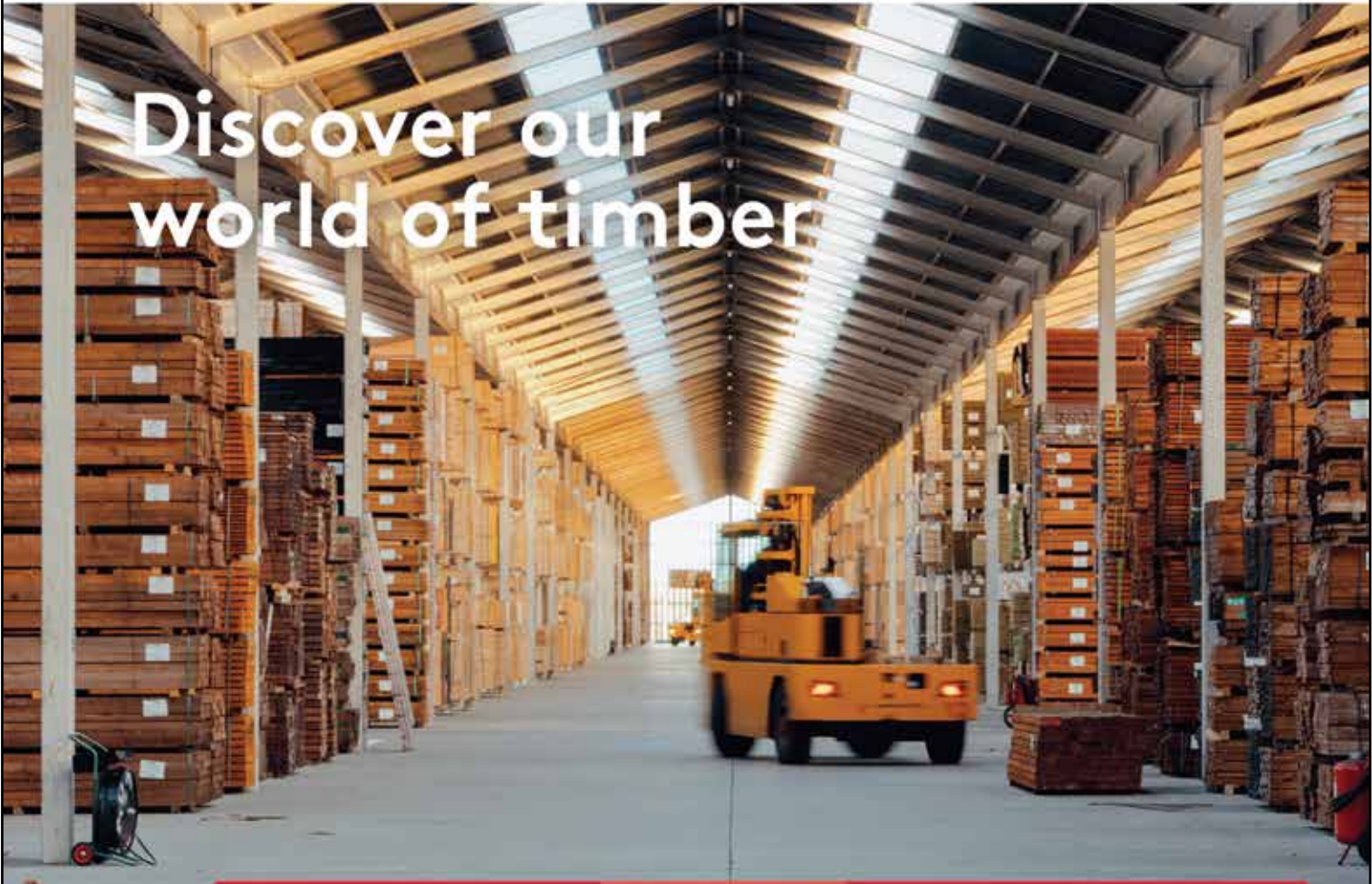
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For more information on Vandecasteele Houtimport and the products or services it provides, please see below:
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Harlequin is the world leader in advanced technology floors for the performing arts, entertainment and display.

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The floor is a dancer's most important work tool; not only is it the canvas for their creativity, it also gives them protection against slips, falls and longer-term stress injuries. It is a common assumption that a well-designed sports floor will suit the needs of dancers, but this is not the case. There may be a temptation to specify floors for aesthetic or budget reasons, or to specify sports floors in the mistaken belief they will be suitable for dance but only a floor developed specifically for dance will do.

Harlequin's experience and reputation are founded on the design, manufacture, supply and installation of a range of high quality portable and permanent sprung and vinyl floors chosen by the world's leading venues – from the Royal Opera House to the Bolshoi Theatre, the Paris Opera Ballet to Sydney Dance Company.

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We will provide help and advice throughout the process and ensure that specific government funding requirements are met. Following the completion of your woodland creation project, we can offer ongoing maintenance, upkeep and professional advice.

There are many advantages to the planting of trees on less productive or unused land areas and farmers and landowners can now obtain a number of government grant and funding options to help with establishing new woodland areas.

Woodland creation projects can be undertaken on suitable land from 3 hectares up to larger areas of over 10 hectares and can provide substantial environmental and financial benefits.

Woodland Creation Benefits Include:

- Timber production
- Increasing land value
- Providing shelter for crops and livestock
- Providing new wildlife habitats
- Stabilising river banks
- Game cover
- Improving the amenity value

Number one choice for recycled plastic building materials



In this issue of Building Update, we have chosen Kedel as our Eco-Friendly Plastic Products Company of Choice 2022.

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 Lewis, who explained more about the company. "We manufacture plastic wood made from waste polystyrene, and we are also suppliers of many other types of recycled plastic profiles from other manufacturers. We stock tongue and groove boards,

plastic sheet materials, decking, cladding, ground reinforcement and drainage grids, fencing and gates. In addition, we make a wide range of outdoor furniture often combining different types of recycled plastic into one product. These products include benches, tables, picnic tables, notice boards, to name just a few. We also offer design services and have a large flatbed CNC (computer numerical controlled) machine for cutting and shaping to the CAD design parameters supplied by our customers or created for them by our in-house design team."

As specialists in building supplies and outdoor furniture, one of the main benefits of the products and services provided by Kedel is the long-term investment advantages of recycled plastic. "It never rots, so if you build fencing



or decking with it, you only do the job once in a lifetime. There's no cost of ownership, no maintenance - no costs for labour and materials, or for that matter, replacement costs.

Timber merchants are our main competitors, but wood is becoming increasingly expensive and difficult to source, due to the war in Eastern Europe, Brexit, and COVID-19 causing driver shortages leading to increased transportation costs.

And as everyone knows, the problem with wood is that it needs constant attention to avoid deterioration. Recycled plastic needs nothing more doing with it. Yes, the initial costs are higher, but over a 25-year period, a study by WRAP (Waste Resources Action Programme), in 2000 resulted in recycled plastic proving a more cost-effective material due to the product's extended longevity and zero maintenance properties," Lewis explained.

'Your Housing Association' in South Manchester installed plastic fence panels made from Kedel's recycled plastic about 10 years ago. They haven't had to replace a single fence panel since!" said Lewis.

Kedel's plastic wood was named 'Best Recycled Product' at the National Recycling Awards in 2015 and is an ideal maintenance free replacement for wood and other traditional building materials. Suitable applications include cladding, gables brackets, pediments, fascia boards, rafter tails, finials, fencing and decking. Kedel has over 1000 products in recycled plastics available on its website with a wide variety of profiles to choose from that could save you a lifetime of maintenance and replacement costs.

A notable product in Kedel's sustainable product range is fencing, that comes as fixed or portable panels, or you can buy the materials to make your own. You'll never need to replace a fence again. They are rot-proof and non-absorbent making them very hygienic and easy to clean. They don't chip, crack, or splinter, and are water and frost proof.

Ideal for education establishments and facilities management are Kedel's maintenance-free benches and picnic tables. They look like wood but perform like plastic, and the tables last at least five times longer than wood, making them a very attractive long-term investment. Key advantages include no splinters for little fingers, more hygienic and easier to clean with standard household cleaning products, no painting or preservative applications, and they are very robust and vandal resistant.

"Recycled plastic products are carbon positive, because the waste plastic is reused rather than being thrown into landfill or used as EfW (energy from waste) i.e. burned like any other fossil fuel. They also reduce the use of traditional materials such as wood, leaving the trees in our precious forests where they belong, absorbing the CO₂ emitted by fossil fuels, and concrete whose production is highly polluting and makes the building industry a major contributor to global warming," said Lewis.

Since 2010, demand for Kedel's products have risen by about 30% each year. To accommodate such growth, Kedel has recently acquired additional computer controlled plastic extrusion lines to increase production of its plastic wood. We asked Lewis what Kedel's future plans are, "We plan on continuing to increase production and expand our buildings to house the additional machinery we need to meet this seemingly insatiable demand for recycled plastic products."

For more information, see below.

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Your partner in fire safety

DB Fire Safety Limited is situated in Peterborough, and was set up in 2013 by its Managing Director, David Black. David is a qualified fire risk assessor with over 30 years' experience working in the fire safety industry, with accreditation including from the Institute of Fire Safety Managers, 'Register of Competent Fire Risk Assessors.'

David first launched DB Fire Safety Limited after gaining experience working for two years as an independent fire safety consultant.

Recognising the need for his services, David launched DB Fire Safety Limited to provide independent fire safety consultancy, serving clients

throughout the UK. "We are an independent fire safety consultancy specialising in carrying out fire risk assessments," said David Black, Managing Director.

DB Fire Safety Limited's main operations consist of carrying out fire risk assessments and providing fire strategy documents for new buildings under construction.

"In addition to offices and factories, we specialise in carrying out fire risk assessments of schools, residential care premises, and blocks of flats. We also assist building contractors and architects in developing fire & evacuation strategies for buildings

under construction or renovation," added David.

Through the company's industry leading expertise, DB Fire Safety Limited understands the difficulties in navigating fire safety legislation, and as such, the company prides itself on being 'your partner for fire safety'.

Under David's leadership and industry leading expertise in the fire safety industry, the company is well equipped to assist its clients and help to provide their client's businesses with a comprehensive document to identify potential sources of ignition, the likelihood of a fire occurring and the potential impact that a fire would have on its occupants. An assessment is then made of the documented procedures that outline actions that need to be followed in the event of any fire incident, and the required level of training and practice needed.

One of the main advantages of using DB Fire Safety Limited's services is its honest and efficient service, as an independent business without any conflicting interests.

David explained, "The benefit of employing ourselves is that we have no potential conflicts of interest in supplying or maintaining fire extinguishers, fire alarm systems, or installing fire doors etc."

The company also provides in-house training for Fire Wardens and Fire Marshals, as well as online courses, to keep staff and businesses compliant and safe. In addition, DB Fire Safety Limited also provides training courses for general fire safety awareness, which can be carried at the client's premises or via its online E-Learning modular courses. The online courses are a great resource for refresher training.

As the company looks to its future, DB Fire Safety



Limited maintains its overall goal of continuing to provide its clients with the best support possible. David added, "we want to ensure their premises are safe, and that business owners and managers meet their responsibilities under fire safety legislation."

If you would like to find out any further information on the company, please see the details featured below.

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Our specialities are residential care premises, schools, and blocks of flats



Fire Risk Assessments

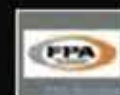


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Latest News

Your partner for material handling



Davison Forklift was established by John Davison back in the mid-sixties, and was sold to Malcolm Harrison in 2018. Based in Shifnal, Shropshire the company maintains a rich history and has grown significantly since its inception, seeing impressive growth year on year.

"We are a machinery hire company specialising in the hire of forklifts, tractors and telehandlers. We sell, repair and hire the aforementioned machines. We are also dealers for Clark, who invented the forklift in the early 20th century. We take pride in providing a very personal service, which is second to none," said Adrian.

Throughout the years, Davison Forklift has explored new sectors and moved its focus into the hire and sales of new product ranges. By consistently expanding upon its product range, has enabled Davison Forklift to be able to discover and move into new sectors and enter higher markets, developing a broader customer base. Davison Forklift has positioned itself firmly at the forefront of the material handling sector, offering a broad range of products, complemented by a highly skilled team of trained forklift engineers that carry out on-site repairs, servicing and health checks. The company specialises in the hire and sales of forklift trucks and is the authorised UK dealers for Clark, Haulotte and Ausa. In addition, Davison Forklift is also part stockists for Clark, Hyster, Samsung, Doosan, Linde, Lansing, Ausa and many more.

In terms of recent developments, Davison Forklift has seen a recent relocation, moving to a new rural location in Yew Tree Lane in Shifnal, Shropshire. This move has helped the company explore new markets and helped to facilitate an investment into new equipment. As such, Davison Forklift has turned its attention to the hire and sale of tractors and telehandlers.

Included in its telehandlers range, the company offers two telehandlers; JCB 540-140 and JCB 535-125. Through JCB's commitment to providing outstanding products for its customers, the brand has flourished, growing from a one-man business into Britain's largest privately owned manufacturer of telescopic telehandlers and industrial forklifts. Both the JCB 540-140 and JCB 535-125 models are equipped with the latest technology and advanced design capabilities, with features such as: low fuel consumption, reduced noise, high torque and power output, total reliability and minimal maintenance.

Regarding its tractor range, the company currently offers one tractor manufacturer available for hire; the New Holland T7.210. New Holland is renowned as a Clean Energy Leader for its active promotion and development of sustainable agricultural technology, offering solutions that enhance efficiency and productivity, while respecting the environment. The T7.210 is a great addition to the company's range and offers a power range of 140 to 210 HP, with a rated engine speed of 2200 rpm.

In other recent developments, Davison Forklift has faced new challenges regarding the COVID-19 pandemic, Adrian explained, "we obviously had a slowdown in the early stages of the pandemic but our sector was quick to recover and we have seen an increase in demand for our products." As Davison Forklift plans ahead, the company maintains its aims of achieving consistent growth and development. Adrian shared, "we are planning to develop our site with a new workshop, showroom and offices. Also, we are looking at renting space to other small businesses and we are investing in new products to enhance our offering, for our customers."

If you would like to find out any further information on the company, please see the details featured below.

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www.davison-forklift.co.uk



Kelly Tanks Ltd

Kelly Tanks offers a range of innovative, cost-effective Concrete Washout and Water Treatment Solutions. Having proven itself onsite, the Kelly Tanks CWS Concrete Washout is the go-to product for washing off Concrete Wagons and equipment. Following its success and demand from the industry, Kelly Tanks has also introduced a washout for separating and treating waste from Hydro Demolition and units have since been sent out worldwide.

Kelly Tanks has also seen its Adsorption Sacks growing in popularity, being used in single or double sack frames, separating wet waste onsite. Recently sites have been opting for the sacks as an environmentally friendly alternative to dumping wet waste in mortar buckets, dramatically reducing onsite waste.

Kelly Tanks also offers user friendly, easy to use,

easy to empty Water Treatment Systems for silt separation and dewatering. Available in various sizes, with interchangeable media, customers have been delighted with the ease in which they are able to operate, clean and empty the systems.

This year Kelly Tanks has launched a Modular Dosing Unit to monitor and control pH levels and/or provide proportional chemical dosing (ie. Flocculants). Its unique design allows the unit to be fitted to most tanks and positioned as required to effectively treat without the need for large specialised equipment. For those without an existing tank, Kelly Tanks can offer a multi-purpose mixing tank to flocculate and/or treat effluent prior to discharge/settlement.

Kelly Tanks also has a bespoke build service and in addition to its fleet can provide complete



onsite Water Management, offering services in consultancy, effluent testing, supply, install and maintenance.

For more info on systems and services, check out the website at: www.kellytanks.co.uk or email: info@kellytanks.co.uk

DCON Safety Consultants



Established in September 2016, DCON Safety Consultants is a leading independently-owned Built Environmental Safety, Health & Wellbeing Consultancy based in Dublin city centre. Managing Director Diarmuid Condon explains more.

The consultancy prioritises and specialises in the highest levels of informed and intelligent advice, senior project resource allocations and compliance assurance. It knows that every project with potential benefits also has potential risks with the art of planning centring on the coordination of these two zones of uncertainty. DCON's team of highly-experienced construction professionals consistently ensure your

best interest and statutory conformity.

DCON is committed to understanding the specific needs, goals and desires of each individual client and project. Upon gaining this special understanding, it commits itself to the implementation of a design and construction management plan that will meet or exceed these requirements. Honesty, integrity, trust and professionalism are the cornerstone of every job.

The company's greatest resource is its exceptional team of technical



construction and safety consultants who provide team-oriented services on an as needed basis. DCON's consultants and alliances with other key individuals and organisations allow it to support clients in all divisions of design and construction safety.

With DCON, the client is assured of top-level focus from its team of professionals. Bringing recent Lessons Learned from its projects, the company has delivered Pre-Planning & Post Planning Health & Safety and PSDP | CDM Consultancy services to multiple sectors, understanding and managing key success factors and risks. DCON Safety Consultants is relentless in supporting safe outcomes and safe design quality to realise your vision. Our controls approach is rigorous, tackling the big issues head on.

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New innovation to the TuffStuff® range; TuffStuff® flexible GRP

Tuff Waterproofing is a provider of waterproofing liquid solutions for flat roofs, which are comprised of GRP, flexible GRP and polyurethane. Using its advanced TuffStuff® formula range, which uses the latest liquid polyester resins, glass fibre mat reinforcement and flexible edge trims, it creates a fully integrated 100% waterproof seamless finish. The TuffStuff® product range is used for various applications and across multiple domestic and commercial environments.

With an impressive history which spans across 30 years' experience, Tuff Waterproofing has invested heavily in research and development, company processes and its team to ensure that its TuffStuff® range of products, continue to exceed expectations and set new standards in flat roof waterproofing solutions. From the company's bespoke premises based in North Yorkshire, Tuff Waterproofing maintains its operations on a national scale, supplying its products through a dedicated Stockist network located throughout the UK.

Regarding its progression over the last year, Tuff Waterproofing is pleased to have continued to progress significantly since 2020. With the impact of the COVID-19 pandemic affecting many industries, Tuff Waterproofing was able to remain open throughout and further developed on its product range during the last 12 months.

We caught up with Greg Gimenez, Managing Director of Tuff Waterproofing and asked him about the company's developments over the last year, he stated that, "We have progressed very well. We didn't have to close during the Pandemic because we are in the construction industry, so the government's directive was to stay open. We have mostly remained the same, we're always trying to develop new products and develop our existing products. We're quite happy with the overall year and foresee further progression for 2022."

The company has continuously accumulated growth year-on-year and established an enviable reputation,

becoming a key figure in the GRP flat roof market and resulting in TuffStuff® becoming the UK's premium designer and supplier of heavy-duty GRP waterproof flat roofing systems.

Regarding its team, TuffStuff® maintains a dedicated product development team that work closely with its customers to produce a consistently, evolving product range that is suitable for multiple flat roof applications. This commitment to continuous development is echoed throughout the company and its dedicated team of UK based product developers work with UK manufacturing facilities, with the ambition of pushing and setting new standards of GRP roofing systems, to new levels.

A vital part of the company's business is its exceptional technical support service and Tuff Waterproofing ensures it provides premium quality and agility, in responding to and resolving customer queries professionally, efficiently and to the highest standards. The company prides itself on providing the highest standards of customer service and its main ambition is to instil confidence in its customers, that they feel fully supported.

"As I have always said, the life blood of this company is the service, exceptional training and technical support that we give. It's more than just providing products, it's all about the service and support," Greg added.

In terms of the company's most recent developments this year, Tuff Waterproofing has further expanded



its TuffStuff® product range and is now offering its latest GRP roofing innovation; TuffStuff® flexible GRP. TuffStuff® flexible GRP is a single resin solution that provides an exceptional combination of versatility and durability. It's 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.

Requiring only two coats and 225gsm reinforcing mat, it can be applied within two hours. The TuffStuff® Flexible GRP forms a highly flexible, extra tough and seamless waterproof membrane, making it an ideal solution for areas of heavy-duty foot traffic. The solution can be applied directly to felt, asphalt, single-ply, GRP, concrete, timber or metal. Its highly flexible, extra-tough and seamless waterproof membrane makes it reliable when added to vertical sections without the concern of sagging. Furthermore, the solution is a fast-curing system with walk on time of between 30-60 minutes. Once laid and whilst curing, the product is showerproof.

Specifically designed for durability in mind, the TuffStuff® Flexible GRP is extremely robust with one coat needed for a 10 year system or two coats required for 20 year system, and is crack resistant with no risk of weak points. The 20 year system qualifies for a 20 year guarantee on materials.

On the back of its successful launch of TuffStuff® flexible GRP, Tuff Waterproofing is planning to further feature its new product at various tradeshow throughout 2022. These include: UK Construction Week 2022 in May, in London and UK Construction Week 2022 in October, in Birmingham.

As the company looks towards the future, Tuff Waterproofing foresees many challenges that they will have to overcome, but believes firmly that it has the right structure in place to provide the company with the perfect platform to be able to consistently respond and evolve its product range, while providing outstanding support to its customers.



Indeed 2021 has seen impressive growth and development for Tuff Waterproofing and the company anticipates much more progression, leading on from its new product launch. After what many industries have deemed as a challenging year in regards to the COVID-19 pandemic, Tuff Waterproofing has showcased its industry leading expertise and is pleased to have been acknowledged for their hard work.

For more information about the company or to view its range of products, please see the details below or alternatively, contact them directly on the number stated.

Contact
T 01977 680250
www.tuffstuff.co.uk



FLEXIBLE GRP

Providing an exceptional combination of versatility and durability. Quick to lay, with no need to strip or re-deck a roof, this fast-curing system saves time and money.

It's a single-resin solution which can be applied to a multitude of surface types and structures including vertical sections.

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.

TUFF STUFF FLEXIBLE GRP



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T 01977 680250
orders@tuffwaterproofing.co.uk

Steel buildings to suit all budgets

Founded by Dave O'Brien in August 2017, Castle Steel Buildings has evolved from a basic start-up, operating on what was essentially a franchise model, to a rapidly growing construction company with a permanent install team and a developing back-office operation. Previous to the company, Dave O'Brien had worked in the steel construction industry as an installer for over 20 years. After many years Dave was keen to build his own business that offers bespoke steel buildings with a guaranteed installation option. On the search for a business partner who could run the administration and logistics side, Dave approached John Rosling, who had a number of years' experience in public and private sector management. Since joining, the business has grown in strength at a fast pace.

Today, Castle Steel Buildings is well-known as an industry leader in its field. Offering a number of services to suit every budget including steel buildings for agriculture and rural, commercial and industrial, garages and sheds, as well as cladding installation. Understanding that customers prefer a personalised service, Castle Steel Buildings is committed to ensuring 100% satisfaction

from start to finish and prides itself on its; affordability, to offer cost effective light weight composition of the buildings designed to reduce production and installation costs; versatility, with a range of buildings to suit every application; and top British quality, endeavouring to always support British economy. all Castle Steel Buildings materials comply with British Standards BS 6399(pt 2) and exceed ISO9001-200.

"These are among the many qualities that set us apart from our competitors," mentioned John Rosling, Director. COVID-19 has left a dramatic impact on steel production over the last 12 months, with many steel mills across the world shutting down. As such, steel suppliers are running low on stock, the price of steel has risen and there are incremental delays to customer orders. Castle Steel Buildings has worked hard to ensure this implication has not affected its production and most of all, its service to its customers.

"One of the major things we've noticed over the last year is that many people are put off having their steel building because of the cost of raw materials,

something that has increased enormously with the pandemic and global shutdown. We've met this challenge by partnering with Peregrine Finance in York to offer a bespoke finance solution. This is a great option for companies looking to get their projects off the ground quickly while spreading the cost over time," said John. With more to offer in its arsenal, we asked John what the company's future plans were, he answered, "alongside a determined go for growth mindset, we're focussed on developing our range by introducing hot rolled steel designs. Cold rolled steel is inexpensive and effective but there are some limitations in the scale of building that can be done in cold rolled steel."

T 01302 301402
info@csbuildings.co.uk
www.csbuildings.co.uk



Stay safe with lightning protection

Here at Building Update, we are proud to announce South West Lightning Protection as our Company of Choice 2022. South West Lightning Protection provides a number of services throughout the UK including lightning protection, early streamer emission systems, upgrades of older systems, earthing services and design, safety line testing and inspection of horizontal safety line systems and PPE. Established in 2014, South West Lightning Protection was created by Gary Libby who has over 40 years' experience in the industry. Located in Plymouth, the company also has an office in Scotland. "Our core service is lightning protection installations and testing; we also design new systems. As we are a small company in comparison to our competition, we strive to provide a personal service to our clients." Stated Gary.



In recent news, South West Lightning Protection has commenced testing of roof mounted horizontal cable based mansafe systems, permanent ladders, guard rails, and safety anchors. These services are provided individually from the company's lightning protection services, and to save the client money, can be combined. South West Lightning Protection work throughout the UK to assist its clients with their project requirements regardless of their location. Within its lightning protection service, South West Lightning Protection is able to offer a full installation and testing service, including BSEN62305 systems, BS6651 upgrades, NFC 17 102 early streamer emission systems and BS7430 earthing systems. Some recent projects have included chimney upgrade works in Cumbria, new air termination networks in London and a new roof tape system in Plymouth. South West Lightning Protection record all test conditions and results, and a reminder is sent out before the next test is due.

The system South West Lightning Protection use provides an alternative solution to protecting structures where the installation of a British system is not a feasible or a viable option. Some benefits of its early streamer emission device include a more aesthetically pleasing device as the system only requires two down conductors and earth terminations to provide a path to earth. It is cheap to install and maintain, and as the number of roof conductors, down conductors and earth terminations are reduced, the system has a lower carbon footprint. Its clients include electrical contractors, ministry of defence, NHS, companies in the sectors of water, commercial, telecoms and facilities management, as well as individuals. The company holds a health and safety accreditation by SafeContractor which audits the company training and safe systems of work. All company engineers are CITB card holders for the work they undertake, and DBS checked.

Inevitably, South West Lightning Protection experienced a disruption in the industry from COVID-19, however, as the company provides a safety critical work to the ministry of defence, it was classed as an essential business, so work was able to carry on at a reasonable level. "We have produced a company COVID-19 policy which protects both SWLP operatives and clients. We work with clients to ensure we are in compliance to any restrictions on work which may be stipulated by customers." Stated Gary. As South West Lightning Protection continue to grow within the lightning protection sector, the plan is to provide long term employment to its existing work force whilst adding new members of staff. "Whatever your requirements, we're here to help." Mentioned Gary.

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Also located in Scotland,
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Formed in 2014, and having over 40 years of expertise in the lightning protection industry, South West Lightning Protection, provides a full range of services from our office locations in the UK. With our trained operatives we are able to provide a full range of services, from conception to completion, and with our Safecontractor accreditation you can be assured works will be carried out adhering to all relevant health and safety requirements.

Whatever your requirements - we are always pleased to help

- Lightning Protection risk assessments
- Installation & Design by accredited engineers
- Test & Inspection (BSEN62305, BS6651, NFC 17 102)
- Safety Line systems testing

Tel: 07807 33 44 41 Web: www.lightningconductor.org

Email : North@lightningconductor.org — South@lightningconductor.org



Concrete Channel with Basalt Fibres – New Era Begins for Hauraton

Hauraton makes concrete material even more efficient for modern drainage technology by enhancing the formulation with natural basalt fibres. The addition of mineral or textile fibres increases maximum stability, strength, and impact resistance. By amplifying the impact resistance, the more robust and durable the product. This is particularly important for components that are exposed to considerable dynamic stresses, in this case, drainage channels subject to vehicles at high speeds or regularly trafficked by heavy loads.

Basalt Fibres: Natural and Sustainable
Hauraton's new era in concrete production by utilising basalt fibres has not only created a durable building material, but also one that is 100 percent natural. The basis of basalt rock is available all over the world in large quantities which is formed naturally on the earth's surface. By combining

basalt fibres with the well-known material concrete, both the structure and the service life of the product is increased.

Mineral Mixture: Easy to Recycle

Since the end product is a purely mineral mixture, there is no need for material separation during disposal. This protects the environment as it is simply fully-recyclable at the end of the product's life cycle.

Convincing Strong Properties

Basalt fibres have outstanding properties. They can withstand temperatures of up to 800°C and are highly resistant to alkalis, acids, salts, oxidation and radiation. The effects of adding basalt fibres to precast concrete elements gives even more of a dimensionally stable, resistant and durable structure. Drainage systems made of basalt-reinforced concrete will assure longer performance.

Basalt Fibres are Versatile and Climate-Friendly

Basalt fibres are mineral fibres that have a higher melting temperature, better resistance to water, acids and alkalis, and more positive flexural strength. All this makes basalt fibres attractive in drainage technology, but also numerous other applications in construction.

Given the stricter climate targets, the energy consumption during production also clearly speaks in favour of basalt fibres, as basalt it has the lowest CO₂ footprint.

Contact
www.hauraton.co.uk

FASERFIX CONCRETE:
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30 years of experience, expertise & excellence

Bio-Dynamics specialises in building tanks for wastewater treatment plants, biogas plants and industrial and agricultural applications. The company maintains its main head office in Deinze, Belgium, with its UK Division, Bio-Dynamics Tanks Ltd based in Thurnscoe, near Rotherham, and Monostore bv, based in Kampen, The Netherlands.



Bio-Dynamics has gained an impressive amount of expertise, built from over 30 years of experience in the treatment of industrial waste water and environmental engineering. Bio-Dynamics specialises in the building of round tanks with a diameter starting from 15ft (5m) to 164ft (50m) and up to 66ft (20m) in height, with or without a roof, underground or above ground level.

"Our company is the preeminent European designer and installer of in-situ poured reinforced concrete tanks, used for the storage of, and anaerobic digestion of, a wide range of on and off-farm liquids and bio-wastes, such as livestock slurry," noted John Lyndon-Taylor, Sales Manager. The primary focus of Bio-Dynamics is the supply of concrete anaerobic digesters and associated tanks to the Biogas renewable energy sector. For the agriculture market, the company is able to provide biogas-units (in collaboration with key Technology Providers) based on the size of the farm, which are mainly fed with manure and other substrates that occur on the farm.

"The main benefit and service we provide is a full design and supply capability inhouse, maximising the experiences of decades of onsite operations, tailoring the product to our clients exacting requirements. As the company looks to the future, Bio-Dynamics plans to continue focusing on its core activities, working with strategic partners and technology providers to enhance and sustain the burgeoning biogas sector, for years to come.

"Our exemplary record of continued sustainable growth and investment in the ever more important renewable energy sector, provides our clients the confidence and trust that their project will be met, within budget and to programme," mentioned John.

Bio-Dynamics are keen to discuss any of your needs for liquid containment, and its technically qualified staff are ready and waiting to receive your call to start the process of developing a solution.

www.bio-dynamics.be
www.bio-dynamics.co.uk
John's Mobile: 07956 854669

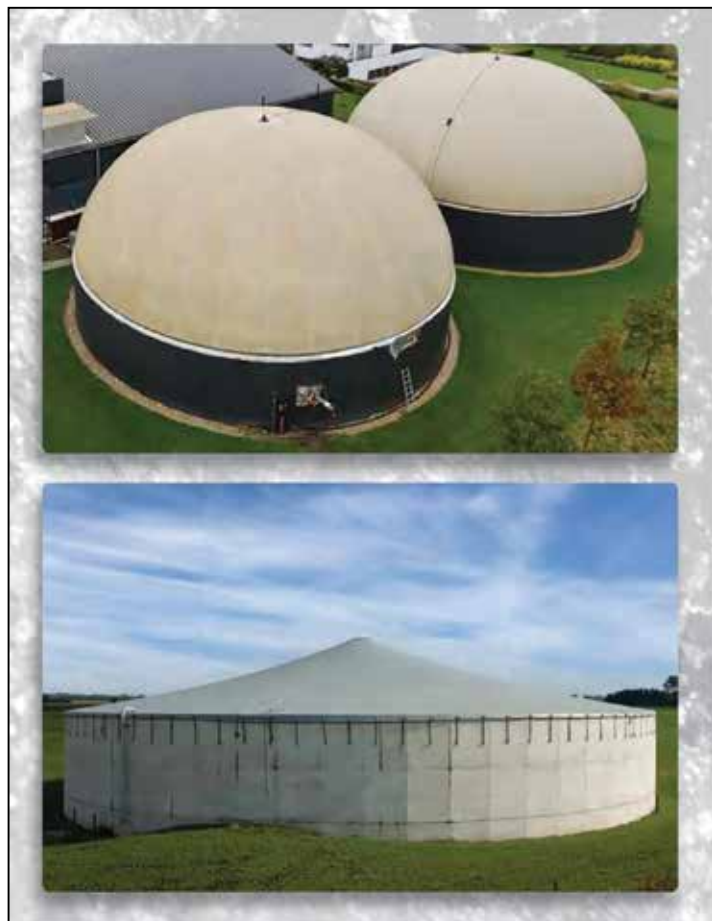


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H.D. Services Ltd: Sewage Treatment and Water Boreholes

Founded in 1984 H.D. Services Ltd. aim to provide the highest quality percussion drilled boreholes, sewage treatment systems and Open-Loop ground source heat pump installations in the Southeast. Feasibility of any project can generally be confirmed upon receipt of a site postcode.

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.

Sewage Treatment, Boreholes and Soakaways

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. All our boreholes are constructed using the cable-tool percussion method - preferred by the Environment Agency (EA) when drilling the chalk aquifer – and are logged with the BGS. Our underpinning ethic is that we want to protect the aquifers from which we make our living.

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.

The water is then returned to the aquifer, normally via a buried harvesting tank where it can start to regain this temperature. As ground water is utilised, there is the option of a potable water supply (subject to analysis

and suitable filtration) or irrigation.

The heat pumps we install are manufactured by a British company and are MCS accredited.

We achieved regional success in 2015, 2016, 2017, 2018 and 2019 at industry awards. In 2020 we won the REA Pioneer Awards and this year we have achieved recognition at the East of England Energy Efficiency Awards, winning 2 categories as well as receiving a Special Commendation for one of our renewable heat installations at the 20/21 National Energy Efficiency Awards, which were held on the 18th February 2022. Having never entered the national awards before, we are extremely proud to have been recognised for our involvement in this project.

The company is proud to employ land drillers, electricians, plumbers, civil engineers, heat pump engineers, graduates and fellows of the British Geological Survey.

We are members of the WDA, GSHPA, REA, EEA, NaCSBA and are ISO 9001, 14001 and MCS accredited.

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.

COVID-19 SAFE WORKING

AWARD WINNING RENEWABLE HEAT INSTALLATIONS
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Joinery & Varnish News

The South West's Number One Timber Building Company – MAC Cabins

In this issue of Building Update, we are proud to announce that we have selected MAC Cabins as our Company of Choice.

MAC Cabins Limited is a fast-growing Timber Building company based in Okehampton, Devon, with over 30 years' experience in the construction industry.

Proud to be the providers of one of the largest selections of; Timber Buildings, Log Cabins, Leisure/Holiday Cabins & Glamping Pods, in the heart of the South West of England.

To complement the extensive ranges of timber buildings, MAC Cabins also offers a vast variety of other Timber Frame & Modular Frame options, providing one of the widest selections of timber building options, within the market-sector.

For all timber frame styles, MAC Cabins works with self-build and custom-build projects, where the initial design has already been completed with architects. We help to guide small to medium-sized developers, on sites of single or multiple plots, to identify the best way to convert vision into reality.

MAC Cabins continues to expand its vast portfolio of designs and build options, allowing you to select the perfect combination of style, size and price, confident you will find the perfect selection to meet your growing demands.

With every building, you will receive a structure that has a higher standard specification than most other comparable products.

T 0800 999 1564
help@maccabins.co.uk
www.maccabins.co.uk



30 years of joinery excellence – Happy Birthday to us!



Bluerun Ltd is dedicated to manufacturing top quality, bespoke custom-made joinery for the domestic and commercial markets. All of our joinery is manufactured on premises using hardwood, softwood or sheet materials. As well as offering finished goods sprayed to a primed or painted finish, Bluerun Ltd also offer other treatments and installation services for some products.

Bluerun Ltd is a family run business and was established in October 1991 by its current Managing Director, John Jones. Based in Wimbor, just outside Saffron Walden in Essex, its factory covers 7,000 sq. ft., and can manufacture in hard or softwoods, and veneered and painted panels. Its modern spray point and lacquer facility enables products to leave the factory in a fully finished state. The ethos surrounding the company boasts comradery, team work and dedication to the customer. Here at Bluerun Ltd we promote quality, family and pride in all that we do. The bespoke items manufactured in our workshops are made to a high standard thanks to the joiners who make them. The whole team take pride in their work.

A proud moment, in 2019, John Jones' daughter was the most recent addition to the board. From humble beginnings, the company has gained remarkable growth within the building trade and is well known for its top-quality joinery. Our bench joinery team is small and has extremely high standards. Whilst we use power tools and machinery, there is no CNC or computer aided design, or drawings used. We pride ourselves on being 'old school,' and still use hand tools to finish off many of our bespoke items. Everything is designed in-house, that is if no drawings are supplied by the clients.

For the commercial industry, the majority of its production is for commercial builders and manufacturing. Bluerun provides all type of commercial joinery products from large-scale repeat production runs of windows, frames, and doors, to both large and small-scale customers for internal and external projects. We also produce high quality joinery to meet the exacting standards of conservation areas or heritage sites.

We also provide domestic bespoke joinery from custom door replacements to bespoke furniture. Our portfolio includes decking, balcony balustrading, and gazebos as well as replacement stairs, banisters, mouldings or bespoke cabinets and bookcases for interiors. Bluerun Ltd has even designed and produced a custom-made Wendy house for a private client. Whatever your joinery needs, Bluerun Ltd can provide exactly what you're looking for.

October 1991 marks the company's 30th anniversary of incorporation – what a tremendous achievement made by all. We are all extremely proud. The company couldn't have made it this far without our joinery team and our loyal clients we have worked with over this time. Some employees have worked with John since the 1970s, at a previous company, and we believe that we have a great and loyal team.

T 01799 599995
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For Timber Frame Options, MAC Cabins work
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The Best in Brickwork

In this issue of Building Update, we are proud to announce that we have selected Bulmer Brick and Tile Company Ltd as the recipient of our Company of Choice Award 2022.

Bulmer Brick and Tile Company Ltd is a small, family run business, that specialises in all aspects of brickmaking. The company uses the traditional process of brickmaking and drying which dates back to the Middle Ages.

The company's bricks are made from the finest London Clays, and are hand-made, using traditional methods of making and drying, and are fired in a down draught kiln. This process creates the bricks distinctive finish that blends perfectly with original brickwork in historical buildings.

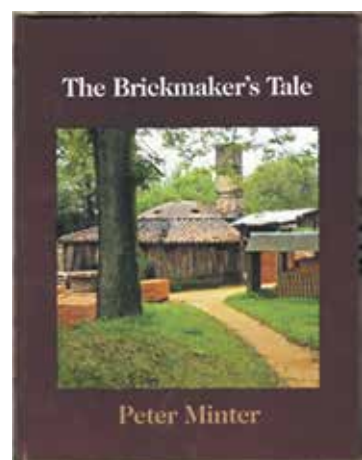
Finding the right brick aesthetic to match with a historical building, can be a challenge as many historical buildings have their own, unique brickwork size

and shape, meaning most facing bricks have been custom-made for the building. With industry leading skills and expertise, harnessing the company's traditional way of brickmaking, Bulmer Brick and Tile Company Ltd is able to deliver the correct size, style and colour to blend seamlessly with the original building, preserving the traditional design of the building.

Bulmer Brick and Tile Company Ltd facings and specials can be made with



Peter Minter: The Brickmaker's Tale



Peter Minter and his son Tony are well-known for their father and son business, Bulmer Brick and Tile. The family-run business has successfully been running for over 80 years and is extremely proud to say they have excellent expertise and knowledge in this industry.

Peter Minter wrote his own book, The Brickmaker's Tale, which entails a unique history of the Bulmer Brickyard and the craft of brick-making. Bulmer Brick and Tile pride themselves in saying that they are the most traditional in the UK that still uses methods to make bricks which dates all the way back to 1450. The first section

of The Brickmaker's Tale focuses on the early history of the site, the second part of the book explores from 1936 onwards when the Minter Family acquired to the company.

Finally persuaded by family and friends, Peter Minter wrote a book that recorded some of his unique knowledge and memories in a book. The book highlights the story of the Brickyard and the people that have worked there throughout the years. The Brickmaker's Tale touches on the recreation of historic bricks for National Trust properties which include Hampton Court Palace and Blickling Hall in Norfolk, not to mention the bricks for the extension of St Pancras Station in London.

The Brickmaker's Tale is available from local bookshop Kestrel in Sudbury Suffolk or direct from Bulmer Brick & Tile Co Ltd.

Contact
T +44 (0)1787 269232
bbt@bulmerbrickandtile.co.uk
www.bulmerbrickandtile.co.uk



Traditional brick production specialist

The Bulmer Brick and Tile Company, based in Suffolk, is a family-run business established in 1936. With over 80 years' experience in the industry, the English company truly is a master of its craft.

The Bulmer Brick and Tile Company is renowned for its traditional handmade bricks which, fired in a down draught kiln, have a distinctive finish that blends well with the original London clays bricks. The beauty of the Suffolk company's bricks lies in their traditional production method. The bricks are made from clay dug from the same clay seam used since Tudor times. The wealth of experience amassed by the company coupled with their respect for the process is what separates The Bulmer Brick and Tile Company from the competition.

Having produced bricks for reputable clients such as the National Trust, English Heritage and Historic Royal Palaces, the company is able to lend its services to both private and commercial developments. Its facings and specials



can be made with almost any texture; with 150 different sizes of facings and a range of over 5,000 special shapes, including all standard plinths, squints and copings and extends to purpose made chimney bricks, terracotta, mullions, jambs, floor bricks, pampments, decorative plaques, garden edgings and a full range of rubbing blocks.

Aside from offering a wide range of clay brick solutions, The Bulmer Brick and Tile Company further offers a select number of additional materials. It is a stockist of Singleton Birch Natural Hydraulic Limes and Lime Putty, available in a range of strengths – NHL2, NHL3.5, and NHL5 – and sold in 25kg bags or 1 tonne bulk bags. Lime has proven to be the material of choice when laying the brick specialist's bricks and especially in the case of conservation work, with its natural strength and tendency to give 'movement' in the construction process favourable.

Among the additional materials offered are lath, chestnut lath and riven oak supplied in bundles, used for plastering or for roofing and the application of shingles. Further, The Bulmer Brick and Tile Company offers sheep's wool insulation, an efficient and eco-friendly insulation solution.

T 01787 269232
bbt@bulmerbrickandtile.co.uk
www.bulmerbrickandtile.co.uk

almost any texture, from coarse veined to smooth, and offers 150 different sizes of facing and over 5000 special shapes, including all standard plinths, squints and copings. In addition, the company also extends to purpose made chimney bricks, terracotta, mullions, jambs, floor bricks, pampments, decorative plaques, garden edgings and a full range of rubbing blocks.

Working in collaboration, the company works closely with builders, architects and surveyors where possible, to ensure that the bricks they produce are the best match for the building and meet their clients' requirements. This is just one of the ways that the company showcases its commitment to providing outstanding levels of service for its clients, and Bulmer Brick and Tile Company Ltd ensures that each client receives a personalised service, tailored to find them the best brick solution.

Bulmer Brick and Tile Company Ltd's services, attention to detail and outstanding level of customer service, has helped the company gain an industry leading reputation.

As such, the company is highly recommended for its consultancy services on anything brick related. Included in its consultancy services, the company offers: site assessments, brick surveys and writes reports to Conservation Officers, English Heritage, Local Councils and other bodies.

Bulmer Brick and Tile Company Ltd has worked on many varying, large projects, including for the National Trust, English Heritage and Historic Royal Palaces. Equally, the company has worked on many smaller scaled projects and private work, which it approaches with the same, high calibre of quality service.

If you would like to find out any more information, please see the details below.

T 01787 269232
www.bulmerbrickandtile.co.uk



The Bulmer Brick & Tile Co Ltd

The Bulmer Brick & Tile Co Ltd

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Please visit: www.bulmerbrickandtile.co.uk

THE BULMER BRICK & TILE COMPANY LTD

The Brickmaker's Tale
by Peter Minter
Order your copy today

Bulmer bricks are made from the finest London Clays, dug from our seams almost continually since Tudor times. All Bulmer bricks are hand made, using traditional methods of making, drying and are fired in a coal burning, down draught kiln. We are a small family business continuing the traditions of brickmaking on this site dating back to the Middle Ages.

We work on large projects for the National Trust, English Heritage and Historic Royal Palaces, but are just as proud of some of the small private work undertaken by individuals.

**The Brickfields, Bulmer, Sudbury,
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Email: bbt@bulmerbrickandtile.co.uk

Demon Designs: Experts in glass

Established in 2011 by Dominic Meakins, Demon Designs specialises in bespoke solutions for glass structures, offering consultancy, design and build services to exceed its clients' requirements every time. Fuelled by a commitment to excellence, the team at Demon Designs always goes the extra mile to ensure complete customer satisfaction, no matter what the project size.

One of Demon Designs' key advantages is its comprehensive service, offering everything the customer might need for their project. "Many of our customers want the hassle removed. For example, if they want a walk-on glass floor installed, they don't want to get a builder in to cut the hole, a plasterer to make good and a decorator to finish it off. We can do the lot, including engineers' calculations." Recently, Demon Designs joined Check-a-trade, with a view to obtaining more domestic customers in preparation for the uncertainty of the current commercial

market. "This has had some success, but we still find that the vast majority of our customers are either returning customers or new customers by recommendation, and you can't really get a better endorsement than that!"

Indeed, as well as a loyal customer base, this commitment to customer satisfaction has resulted in impressive successes for Demon Designs over the past eight years, and this year has been no different. "It's been an interesting year for us," Dominic told us. "We have seen a shift in the type of projects we win, moving away from large commercial fit-out projects towards domestic 'Grand Designs' type projects and installations. In the coming years, Demon Designs is looking to complete more complex projects, to help the company grow even further and build upon its achievements since its inception eight years ago. "We want to take on more bespoke projects, big or small. I personally

believe that you can only improve by pushing your boundaries, and this is true for business also. We are constantly taking on more challenging projects, often from other companies who don't want the risk. The great thing about this is that we often work for companies that would be considered competitors in other fields."

Indeed, Demon Designs' future ventures are highly anticipated as it continually develops and improves upon its capabilities. The company is always interested in taking on new customers, either commercial or domestic, so get in touch using the details below or head to the website if you wish to discuss your ideas.

Contact
T 01903 733206
info@demon-designs.co.uk
www.archglass.co.uk



Plants and Sundries to the Trade

Based in Lower Withington, Near Macclesfield only five miles from junction 18 M6, Four Oaks Cash & Carry is now the largest Horticultural 'one stop shop' in the UK!



Since day one, we have attained our impeccable range and service to our customers propelling us far in front of our competitors. The Manager, Marlon Kent, who has over 30 years of plant and tree knowledge, handpicks our stock. Pre-COVID-19 restrictions Marlon would travel to Italy and Spain in the early months of the year, ensuring only the best quality of stock is acquired. This stock would include specimen trees, plants and sundries to the trade. Nowadays, as with most things, this is done via the internet, quality is not compromised as the stock is now 'visually picked.'

Four oaks is a specialist supplier of Mediterranean plants, our stock includes Olives and Palms in pots from 1 litre up to 1,000 litres and these are available all year round. We have an extensive product line of over 1,500 lines of trees and shrubs on display from starter plants to specimen sizes, as well as young bedding and basket plants for which we are historically known.

Catching site of the recent demand for outdoor seating, specifically from the leisure industry, Four Oaks made the recent decision to begin to stock high quality garden furniture, and this decision has been a resounding success through its sales. Furthermore, we have extended our range of pots, which include terracotta, glazed and authentic wooden half whiskey barrels, just a few of the exciting addition to our ever-growing product line.

We also offers compost and feeds, a wide range of Draper garden tools, hanging basket and liners, pots, bowls and planters, a range of Meadowview stone, sundries pots and bowls, a large range of sundries are available as well as a new range of aggregates being added to the company's Autumn stock. Seasonal specials are common at Four Oaks, alongside its superb selection of planted hanging baskets and patio pots.

Four Oaks stock has one of the widest ranges in the North West for shrub and specimens, which can be used for commercial and amenity landscaping. Our Italian plant range has over 70 different varieties enabling customers with a more complete range of choice, combined of small shrubs, large specimens and arches, to the more formal structural specimens.

For more information, please see the details below:

T 01477 571797
www.fouroaks-nurseries.com



Structural and Architectural Glass

Demon Designs offer a comprehensive range of products and services to a wide variety of construction sectors. From design and consultancy work to full design and build, we can provide a custom made service to meet your requirements. Specialising in unique glass and metal structures, we can supply and install totally bespoke solutions or standard off-the-shelf products.

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Please contact us on: **01903 733206**

Email: **info@demon-designs.co.uk** | **www.demon-designs.co.uk**



Horticultural News



Plants & Sundries for the Trade

Hedging - Topiary
Buxus - Laurus Nobilis
Shrubs & Trees



Huge range of shrubs from 3 Litre - 15 Litre
Alpines & Perennials. Seiont Nurseries
Young Plants. Pack bedding & Vegetables.

Added Value Lines - April onwards:-
Superb range of Hanging Baskets,
Planted Patio Pots, 13cm potted Zonal Geraniums,
Fuchias, Osteospermums, Marguerites & Standard
Fuchias in 10 litre pots.

Sundries - Garden Stoneware
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Landscaping News

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Water Treatment tanks and systems

2021 was a successful year of Concrete Washout and Water Treatment Systems for Kelly Tanks across the UK, Ireland, New Zealand, Sweden, Spain, France and Denmark, affirming their solid reputation for providing innovative and cost-effective solutions to the construction industry.

The well-established CWS Concrete Washout has remained the product of choice for washing off concrete wagons and equipment onsite whilst demand for Water Treatment tanks and systems for filtration and/or separation has continued to grow. Kelly Tanks remain consistent in releasing new products to help ensure safe and compliant waste-water treatment on building sites across the UK and overseas including



a range of modular Dosing Units used for monitoring and controlling pH & TSS levels and/or providing proportional chemical dosing.

Kelly Tanks were also able to attain Constructionline Gold Membership, SSIP and Acclaim Accreditation ensuring they meet the PAS91 and Common Assessment Standard.

This year, Kelly Tanks are expanding their fleet and product range as well as improving their facilities and attracting more talent to team KT. Kelly Tanks are also looking forward to giving back to their local community and keyworkers again this year with continued volunteering and donations.



Innovation and sustainability also remain the focus, kicked off with the introduction of a mobile renewable energy system that unlike existing options, does not require a backup generator. The hybrid solar & wind unit is ideal for generating power in remote areas in all seasons and the systems Wind Solar Hybrid MPPT Controller with dump load provides protection functions such as overcharge, over discharge and



overload to guarantee peace of mind that power is successfully generated and stored ensuring the user is never left without power.

Kelly Tanks innovative product range is complemented by a commitment to excellent customer service. "As a company we pride ourselves in putting the customer first. We are proud of our fast, nimble approach in providing our customer with exactly what they need. As well as our equipment, we can supply familiarisation training, testing services and full onsite water management teams. We also design and build bespoke systems to ensure our customer always receive the best equipment for their application".

2022 will also see Kelly Tanks exhibit at the UK Concrete Show in May and Hillhead in June where they are expected to showcase their latest developments in Concrete Washout & Water Treatment.

KEY BENEFITS YOU CAN EXPECT FROM KELLY TANKS SYSTEMS:

- Designed to meet the rigours of the construction industry
- Fast and Simple to Set up
- Small Footprint equipment available
- Units can be linked to handle range of flows, pumps sizes & particle characteristics
- Easy to Maintain and Monitor equipment
- Reduce off-site disposal costs
- Reduce risk of pollution
- Easy to use equipment

If you'd like to find out more information on Kelly Tanks' full range of products, head to the website or get in touch using the contact details below.

T 01889 508944
info@kellytanks.co.uk
www.kellytanks.co.uk



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Planting a brighter, greener future



Encouraging biodiversity and sustainability, Tomorrow's Forests (TF) are tree planting experts in the UK, specialising in high volume commercial reforestation and providing quality support services for industry, resource management, government, private landowners and public institutions.

"We are on a mission to fight climate change by creating UK forests. We offer a full range of tree planting services from restock, beat-up, stake and tube, hedging and windbreaks," noted Toby Brusey, Business Operations Manager.

TF was established in 2014 by founders and managing directors, Nick Hollingworth and Elisabeth Boivin, and provides the latest reforestation industry leading practices to the UK market. The company offers clients a full range of products from tree planting, vegetation management, eco logging, woodland surveys and land reclamation. In addition to TF, Creating Tomorrow's Forests (CTF) was established in September 2020, by Nick and Elisabeth, which is designed to help businesses and private members improve their sustainability profiles and reach net-zero goals, all while creating biodiverse forests right here in the UK.

In terms of the last 12 months for the company, we caught up with Toby who explained that, "It has

been a good year at Tomorrow's Forests and a very busy one. We launched CTF back in September 2020 and both CTF and TF have grown their workforce, contracts and clients.

CTF is now a UK finalist in the BUPA eco-Disruptive challenge which is a global initiative challenge which seeks to find industry leading start-ups in the sustainability sector, while our Tomorrow's Forests operations have continued to grow, with the 2021/22 planting season forecast to be our biggest to date.

While the global pandemic has continued to surge, we think there has been an increase in demand over the last 18 months for tree planting projects. With COP26 also in the headlines in November, there has been a push for sustainable materials to be used in construction, such as timber. Our industry is in a good place at the moment, and we are set to grow and evolve with it."

Indeed, the last year has been a productive and busy year for both companies. There have been a few noteworthy accolades for CTF over the past year, including being selected as the winner of the Bupa eco-Disruptive 'Biodiversity' challenge, which looked at ways to increase, restore, or protect biodiversity around the world. In the programme,

CTF worked with Bupa to create diverse new forests and habitats, encouraging people to engage with their local biodiversity and educating them to understand how to preserve it.

CTF has also recently been recognised by The Times as a winner of their Earth Ad Fund Award.

CTF has seen a noticeable rise in business partners joining its venture over the past few months, which shows a real interest in habitat creation, biodiversity and tree planting initiatives from UK businesses and private members.

Speaking about why this is, Toby said, "A lot of competitors plant overseas in Africa and India, using third-party partners, whereas we own all of the land that we plant on and we plant using our own team of in-house planters. There are no third party contractors at any stage of the process. This means we have complete control and freedom to manage



the land and the trees in the best possible way. It also means we can provide complete oversight to our customers at every stage of the process and provide something that is real and tangible that they can come and visit for themselves."

CTF's continued focus is on increasing awareness, educating their partners and encouraging others to take up this opportunity. There are a number of ways in which both businesses and private members can get involved. For businesses, they can plant trees on behalf of their employees or their customers, they can plant trees to offset manufacturing costs, or they can plant trees as part of a wider sustainability plan.

For private members, some of the ways in which they can get involved include gifting a tree to a friend or loved one, signing up to plant trees monthly, or planting trees on an ad-hoc/one-off basis.

Toby added, "There are many ways to get involved and these are just some examples. We love to work with businesses and our private members on any bespoke ideas they might have about how we can work together to get more trees planted in the UK."

As the company looks ahead, TF maintains big aspirations for their future. In the short-term, TF is in the early stages of an extremely busy planting season. As well as this, the company is currently making additional land purchases to run its new program on biodiversity units and to further develop their existing sustainability tree planting projects for businesses and individuals in the UK. As for the long-term, the company maintains ambitious plans with a look to start overseas habitat creation operations and furthering its global reach, while also ensuring that both companies grow in a sustainable growth model.

In closing, Toby remarked on the company's acceptance of our award, "we are very proud to receive this award. It's a massive team effort, from our amazing planters, foremen and women, supervisors and office staff. They are all hard working and dedicated and we are very grateful to have them on board on our crazy journey. This award is a nice way to highlight everything they do and how it is being perceived out there."

Contact
T 01258 818003
www.tomorrowforests.co.uk
www.creatingtomorrowforests.co.uk



Quit foaling around, eliminate Sweet-Itch now!

Does your horse suffer with flies in their eyes? Or midges around their face and body? Having previously owned three horses coupled together with many years of hands-on managerial experience of The National Sweet-Itch Centre, Itchy Horse Company Ltd uses its expert no obligation approach to tackle the problem. Using all its necessary skills and equipment, Itchy Horse Company Ltd fully understand the distress caused by this condition to the carer and the horse.

Itchy Horse Company Ltd is the UK sole supplier of the renowned Swedish Boett Blanket and Hood which has been at the forefront of the treatment of Sweet Itch for 30 years.

"The Boett Blanket has survived the test of time, still the best product for Sweet-Itch, recommended by Vets and some insurance companies will cover the cost of too. It is such a good product that many have attempted to copy the design, but it's the breathable fabric that makes the difference and the excellent customer service that comes with it." Alison, Manager.

With an abundance of information available on how best to care for your horse it can be difficult to know who to trust. This can lead to confusion and frustration, ultimately leaving the problem unsolved. Itchy Horse Company Ltd offer products that are tried and tested with great success. It believes in the products offered and will always go the extra mile for the customers to ensure 100% satisfaction.

In aid to eliminate Sweet-Itch, Itchy Horse Company Ltd offers BioPlus capsules, these have resulted in a breakthrough in the treatment of Sweet-Itch. "We trialled them for 10 years. It started as a vaccine and was later developed into capsule form. We fed one capsule a week throughout the year and 90% of horses showed an improvement in their symptoms. Out of

those horses 70% showed an above average improvement greater than 50%." Alison stated.

BioPlus capsules is not only an effective product, but it is simple and safe, designed to modulate the immune system. Itchy Horse Company Ltd has seen great results from this product not only to help treat Sweet-Itch but also treat other immune conditions such as COPD and Sarcoids.

Other fantastic products the company supply is a non-allergenic shampoo alongside numerous ointments including Mothers Bee products and Itchy Horse Barrier ointment. These products help soothe and protect, repairing damaged skin by providing a protective barrier allowing the skin to breathe and regenerate. Made from Beeswax, the Mother Bee sweet relief ointment is a blend of selected oils to help treat all skin conditions.

Everything Itchy Horse Company Ltd offers is geared towards the welfare of the horse as that is of vital importance. It has absorbed all increases in costs and has maintained set prices for the past seven years. Alison explained, "To us the welfare of the horse is more important than profit."

Contact
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www.itchyhorse.co.uk



The Boett Blanket & Hood

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- Does not damage hair.

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Boett

Boett

The ERG group emerges from the pandemic even stronger than ever

The ERG group of companies specialises in the design, supply, and maintenance of industrial air pollution control and odour control systems. The ERG group comprises three operating companies: ERG (Air Pollution Control) Ltd, ERG APC Maintenance Ltd, and ERG (Plastic Fabrication) Ltd.

We spoke to Richard Hanson, Managing Director of ERG (Air Pollution Control) Ltd who explained the group in detail. "ERG (Air Pollution Control) Ltd is staffed with highly qualified and experienced chartered chemical, mechanical, and electrical engineers who, together with design engineers, project managers and procurement professionals, provide industrial air pollution abatement systems and municipal odour control systems. We offer clients a full turnkey service from design to installation, and commissioning.

Our sister company ERG APC Maintenance Ltd provides routine servicing and maintenance for gas cleaning and odour control systems (whether sourced from ERG or supplied by others), to clients within the water industry and other sectors. Finally, ERG Plastic Fabrication Ltd provides custom fabrication of plastic and GRP vessels, tanks, and ducting. Its technicians are also highly experienced in fabrication methods with specialty plastics for use in extreme conditions."

ERG (Air Pollution Control) was founded in 1978. In 2001, the company was acquired by the current management through a buy-out. The headquarters in Horsham, West Sussex, is home to the project implementation and maintenance teams, as well as its in-house manufacturing facilities. Over the last 12 years ERG has also built up a full-service regional headquarters in Jordan and a branch office in Dubai to service its growing Middle East business.

With 40+ years experience of air, process gas and flue gas treatment, ERG has an unrivalled reputation for quality and innovation and is accredited with ISO 9001, ISO 14001 and approved as a SafeContractor.

"Most clients come to ERG for systems and services to meet their environmental compliance requirements. Essentially, their processes produce air pollution, and our systems treat the pollution to comply with Local Authority or Environment Agency emissions limits and operating permits. For some other clients however, we provide systems and services which form part of the client's revenue-generating production process. For example, in the green energy sector our systems purify the biogas or syngas that they have generated, so that the client's process runs both more efficiently and with lower eventual pollution levels. In some cases our gas cleaning systems can even generate by-products which become saleable commodities for clients," stated Richard.



In recent news, Richard explained, "firstly, we are delighted that 2021-22 has been our second-best year ever, with turnover helped by buoyant Middle East sales, despite the challenges of trading during the pandemic. Secondly, in 2021 we moved to a brand-new 4-acre site just outside of Horsham. Here, we have the UK's most modern bespoke plastic and GRP manufacturing facilities and purpose-built offices that bring our engineering and project management teams together on the same site as the vessel fabrication and system manufacture," said Richard.

Moving forward, we asked Richard what the company's plans for the future entail. He answered, "we will continue our momentum, focussing specifically on industrial gas cleaning and municipal wastewater odour control. We are proud to have recently achieved one of our targets; the renewal of each of the framework contracts for odour control with Scottish Water, Southern Water and Thames Water, continuing our 15+ years framework service to these key customers.

Additionally, we will continue to develop our industrial offerings both within the UK and internationally. This is principally in sectors of renewable energy where our carefully engineered systems are used for treating syngas and green hydrogen; and automotive battery materials manufacture where we treat the ammonia, acid gases and particulate pollution arising from the manufacturing process. Building on the success of our Middle East office in recent years, particularly in Qatar's infrastructure development ahead of the World Cup, we plan to further develop our reach within the region. On top of all this, we plan to continue serving our existing customers in the chemical, pharmaceutical, and consumer healthcare manufacturing and similar industries."

T 01403 290 000
info@ergapc.co.uk
www.ergapc.co.uk



Handling & Packaging News

Impact sucks your waste away. Automated waste packaging removal solution

With each passing year, the volume of waste plastic film, bags, cling pallet wrap, paper, and other flexible packaging materials, used by large ecommerce companies, fulfilment groups, supermarkets, mega warehouses, and distribution facilities, continues to rise. As consumer habits move away from the high street and towards online shopping and returns, this is only going to continue and contribute to a huge logistical challenge to manage unwanted flexible materials. In-house waste disposal is becoming increasingly important and more reliable and effective solutions for removing, transporting, and recycling waste, are essential. In many instances, the simple waste bin or cage is still widely used in these facilities to allow operators to dispose of unwanted mixed packaging during their daily duty. These are then manually moved to central waste collection points or compactors. Impact Air System's solutions for large ecommerce and fulfilment giants are engineered to allow the operators to

hand feed unwanted flexible material such as adhesive tape backing, garment bags, pallet wrapping, tissue paper or other similar waste products directly into a dedicated local suction point, located near the workstation.

No more bins clogging up the work area or wasted time walking to and from central compactors or waste cages. No more slip or trip hazards when waste collects on the floor, significantly reducing labour costs and time. There is also the added benefit of better recycling rates of this material if sorted at the source and bulk compacted or baled, resulting in a significant reduction in handling and transportation costs and treatment fees at the waste site.

Think vacuum cleaner, just on a much larger scale and integrated into the building's structure. Waste is collected from the source of generation, transported through a ductwork system at a high level, freeing up valuable floor

space. A fan provides the suction, moving material at high speeds to a central recycling area for compacting or baling.

Systems can be designed to collect material from multiple workstations simultaneously and transport it long distances to a convenient point, even move the waste to the outside of the building. Each system can be built bespoke to each packing/unpacking scenario depending on the number of workstations, material quantity and space within the facility.

Impact Air Systems works within a wide range of industry sectors, providing air-based technologies to improve productivity, increase recycling rates, reduce manpower, and save money, all whilst fulfilling environmental responsibilities.

www.impactairsystems.com



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LAUDA continues to provide an expanding range of feature-rich, future proof solutions with energy efficiency and connectivity front of mind, serving a diverse range of industries including chemical, pharmaceutical, biotechnology, oil and gas, composites, automotive, aerospace food & beverage, brewing, digital printing, laser and beyond.

Since 1956, LAUDA has been developing, manufacturing, and supplying reliable precision measuring instruments that have become firmly established worldwide in research, teaching and quality assurance. We are here to assist with your application needs, from measuring instruments for determining the viscosity of polymer solutions, to optical contact angle measuring instruments for measuring the free surface energy and the wetting behaviour, through to classic tensiometers for determining the surface and interfacial tension of oils and surfactants.

For decades, well-known clients from all over the world have come to rely on LAUDA measuring instruments, which bring together precision, reliability, and longevity, along with extensive experience in sales and service to provide the very best levels of product support.

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AmbaFlex launches new slat innovation

Innovation is one of the key values of AmbaFlex. It is in our DNA to design and develop improvements driven by both market-needs and customer-specific requirements.

The latest in line is the development of the AmbaFlex TPO6 slat. This 600mm/24" wide slat with overlapping structure answers several different market-needs in 1 go. It's specifically designed to handle the increased amount of (vulnerable) product variations, expanding the possibilities of our program in all relevant markets. It also answers the ever increasing demands of working safety, especially

for the next generation of distribution centres and the increased amount of operators.

Spiral Elevator with TPO6 slat

The slat is made out of an extremely durable synthetic material and can be fitted with our unique full surface friction option during the 2k molding process. Together with the unique Triple-E track build-up (awarded with a patent), we offer unparalleled strength and efficiency with our SpiralVeyor solutions. With belt widths of up to 1,200mm (or 48 inches), we are able to transfer

virtually any and all products. This new development will further enhance and compliment the many possible applications offered throughout our program.

Interested in the possibilities? Contact us.

T +31 229 285130
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The new AmbaFlex massflow spiral



AmbaFlex is proud to present our latest installation for the elevation of filled glass bottles at the OetTINGER brewery in Mönchengladbach. This is the first of our new vertical mass-flow conveyor system. It is a stainless steel spiral conveyor, fitted the new single track design complete with the recently developed TPJ4 slat.

Project specifics:

- Transportation of 500ml glass bottles
- Over 40,000 bottles-per-hour throughput
- Full stainless steel with corrosion-resistant chain
- A footprint of only 2,240mm
- Single track
- New TPJ 400mm wide slat

While our original SVm is optimised for heavy-duty loads, this new addition to our bottling and canning product line is essentially the lightweight candidate. It is a specially configured spiral elevator for light to regular duty applications.

Including a new and unique single track belt, it can quickly transport a wide variety of liquid containers while maintaining a smooth product journey throughout the machine. It effortlessly handles a wide variety of container types ranging from bottles and cans to jars and tins.

The new single-track design also comes with a new and improved slat, specifically designed for this job. The 400mm wide TPJ interlocking slats ensure a gapless surface and result in a minimum of product movement, keeping them in perfect condition.

This addition to our product range for the bottling and canning market further expands the possibilities for designing efficient and flexible filling lines. All of our machines are customisable with a comprehensive list of industry-relevant options and a small footprint, giving our customers exactly what they need.

Want to know more about our latest addition or other pre-defined machines for crates, cartons, small packs and tray packs? Don't hesitate to contact us through the website at www.AmbaFlex.com. Our specialists will be happy to help and answer any questions you might have.

AmbaFlex is the partner for customized material handling systems based on spiral conveying technology! Our unique SpiralVeyor is used in a wide range of markets and applications for vertical transportation, temporary storage and the accumulation of single goods and packed products.


We are an independent global company that has developed, produces and also maintains the SpiralVeyor system to ensure that our customers receive the most cost effective solutions available today.

Please check this link for the complete video: <https://youtu.be/3d6Ch5h753s>

AmbaFlex, elevating customers to greater heights!

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Test & Measurement News




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Leaders in off-mains drainage solutions

Allerton is a premier off-mains drainage company which provides sales, servicing, commissioning and repairs of all types of septic tanks, sewage treatment plants, sewage pump stations and drainage fields. Displaying a wealth of experience demonstrated through its over 40 years of experience, Allerton is renowned as a specialist in sewage treatment systems, pump stations and septic tank conversions.

"Allerton Bradley has been trading for over 45 years and deals with all things 'off-mains drainage'. Everything from installations of new treatment plants for domestic or commercial properties, down to servicing of all types of sewage treatment systems." Nathan Chambers, Sales & Marketing

First established in 1974 by Jon Allerton, the company has seen exponential growth and success throughout its years of production while still maintaining its original focus. "We are still a small company with our main focus being our clients." Nathan explained, "We ensure that as much as possible is organised by our office so that you, the customer, need not worry about the paperwork or contacting councils etc. We would deal with the Environment Agency or local

council for permissions so you don't have to."

One of the most noteworthy features within its range of solutions, is the Allerton ConSept; the ideal solution for converting an existing septic tank. The Allerton ConSept will convert any existing septic tank or cesspool into a fully functional sewage treatment system which then produces a final effluent that can be discharged into a watercourse or drainage field.



"The Allerton ConSept septic tank conversion unit is a bespoke product that is designed and manufactured in our site in Sleaford. These, alongside a permit from the EA, can be used to discharge treated effluent to a watercourse or into the ground via a drainage field, making systems now compliant with the General Binding Rules. These offer a lower cost

alternative to a new installation and also can be used in situations with limited access." Nathan said.

The Environment Agency (the EA) is now starting to tighten up restrictions on septic tanks and discharges to surface water or ground. The General Binding Rules have come into force for many properties with septic tanks and the systems must be updated or replaced to meet the regulations. Nathan expanded, "There are several options available and if you had any queries Allerton would be happy to help you, feel free to get in touch. We are regularly inspecting sites to check if they meet regulations and quoting for ways to make them suitable. There is also further information available on our website."

In terms of the company's latest developments, we spoke with Nathan about how the last 12 months have been for the company and he outlined some notable additions.

He told us that, "the last 12 months have been a success for Allerton despite the unprecedented year we have had. While at times we have had to work long days, especially through the wet few months we have had recently, the Allerton team have pulled through as always, leaving our customers happy. We look forward to what the next 12 months have to bring."

Maintaining its high levels of customer satisfaction throughout the COVID-19 pandemic, Allerton is pleased to be persistently working and providing solutions for its customers and has even seen expansion within its team.

Nathan continued, "2021 has seen the expansion of the Allerton workforce, welcoming Cerian in the office, and Chris in the installation team. Stu is now a fully-fledged servicing engineer. We are very excited to have them on board."

In terms of the company's future plans, Allerton is focussed on maintaining its outstanding levels of customer service while also expanding upon its services. "We are continuously looking to expand and broaden our catchment area for servicing and installations of treatment systems. We hope to develop our new members of staff and invest in training to make the team the best in the business while not losing focus on our longstanding loyal customers." Nathan said.

Allerton are covering a lot of the UK at present and so it is often that they are not too far from you. With all the on-going price rises it is important to have your sewage treatment system serviced regularly to avoid a potentially costly breakdown. Feel free to give them a call or an email and they will be happy to chat to you and book your service.

For any further information, please see the details below.
T 01529 305 757
sales@allertonuk.com
www.allertonuk.com





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In rural areas without a mains drainage system, and where septic tanks will no longer reach environmental standards, Allerton can provide the ideal solution. Trading since 1974, Allerton are leading specialists in efficient treatment systems. They pride themselves on their individual, problem solving approach to dealing with alternative means of treating and disposing of raw sewage.

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Big benefits from small parts picking in pallet racking

While constant innovation generates a stream of new intralogistics solutions, 'classic' pallet racking remains the most commonly used storage system. Its relatively low investment costs and flexibility – whether through changing rack configuration, retrofitting special purpose modules or adding extra bays – have made it an indispensable framework for storage and order picking systems.



Of course, many operations use pallet racking as the basis for straightforward storage and retrieval of full pallets, either to fulfil customer orders or as a bulk store for replenishment. But the trend toward shorter product life cycles is increasing SKU numbers. The drive to minimise stock levels for each SKU and improve picking process efficiency to speed up order fulfilment, combined with demands for Just-in-Time delivery and online retail, is generating a greater need for small parts storage. This is where the adaptability of pallet racking comes to the fore because small parts picking can be easily integrated within pallet racks. One option is to create small parts pick locations on the reachable ground level, with upper storage levels serving as a buffer store for replenishment. Small parts storage containers will help to store and organise small goods and C-parts – making them available for quick and easy picking.

Flow shelves can be easily installed into pallet racking to increase the number of pick locations and volume of SKUs located on the ground level pick face. Goods are easily accessible from the front of the racking – the rollers on the flow shelves allow bins and containers containing small items to be picked roll smoothly to the front of the shelf – which makes picking easy. A full container of parts will roll to the operator each time the empty one at the front is removed. Inclined supply shelving within a pallet racking bay will make items clearly visible for picking. Cardboard cartons or plastic bins can be used, though the latter option enables preparation in advance at the goods-in area by filling the plastic bin with the items to be picked.

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Deep-Hole drilling automation is more than part load/unload

Originally published in Modern Machine Shop

Photos: UNISIG



For deep-hole drilling, part handling might be the most visible automation element, but it's not necessarily the most impactful. Often, it's internal process automation that yields the most significant results even with a manually loaded drilling machine.

When it comes to automating deep-hole drilling, there are challenges unique to the process itself. These include fixturing complexities – where maintaining alignment requires elements such as guide bushings and tool supports not present in a conventional lathe or milling machine – and part attributes such as length and weight.

Long parts mean a long drilling cycle time, and maintaining production rates often requires multi-spindle, deep-hole drilling systems. Unfortunately, stopping a two or four-spindle machine means two or four spindles sit idle until the parts are loaded and unloaded. So in these instances, the more parts in the machine at one time, the more automation can actually inhibit cycle time while the machine is running.

Solving this problem in multi-spindle machines requires internal automation to achieve the objectives of lean manufacturing and one-piece flow. In-machine loaders singulate processes so that even within a small four-piece batch you maintain one-piece flow. The operator or automation device puts in a part and takes a part out and the machine does a bit of maneuvering inside to sequence those four parts in such a way as to minimize spindle downtime while maintaining upstream and downstream processes for one-piece flow. For instance, parts could be loaded onto a smart conveyor, indexed, and lifted into chucks for the drilling cycle before robotic unloading on the out-feed side so that there are no bottlenecks to a steady production flow.

Tool life management is another form of internal



automation. Getting feedback to the machine enables the deep-hole drilling process to adapt or halt, if necessary, before tools and parts are damaged.

Tool life management is built into a machine's control, and the machine senses torque thrust and coolant. Chip condition is usually the first indicator of wear, which would otherwise require an operator present to detect, so the machine actually monitors the process and can predict tools starting to wear and identify when they need to be changed. A tool life management system also can count distances drilled and the number of cycles then prompt a tool change at the appropriate time.

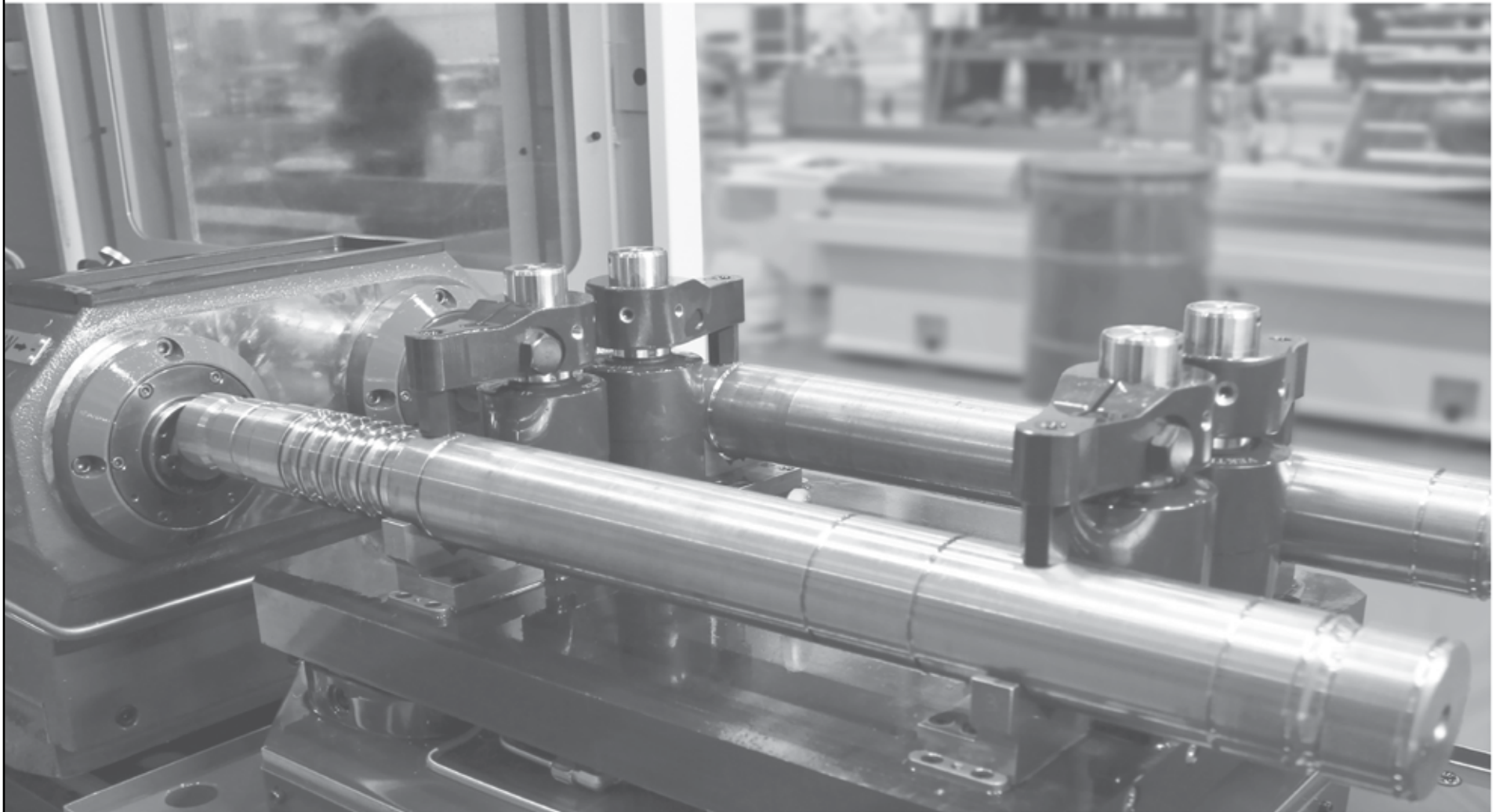
That kind of in-machine automation smooths the path for external automation. As the process builds, highly standardized options for robot-ready machines such as an automatic door, workpiece-present sensors and programmable workpiece fixturing makes it easier to add a robot at a later date. These robot-ready

machines also create efficiencies before they are fully automated. Even with manual loading, the automatic doors and programmable clamping make the process more efficient.

In UNISIG's experience, an embedded reamer tool changer enables manufacturers to manage significant throughput increases, even with an operator. With this technology, operators can maintain the pace of production loading the machine, while eliminating the task of inserting reaming tools for each cycle. This allows the operator to redirect efforts towards tasks such as additional quality checks and off-machine setups.

UNISIG is also exhibiting at the AMB show in Stuttgart, Germany 13th-17th September 2022. Further information on all machines of the UNI series and the complete UNISIG machine program is available at: www.unisig.com or follow the company on LinkedIn and Twitter (@UNISIG).





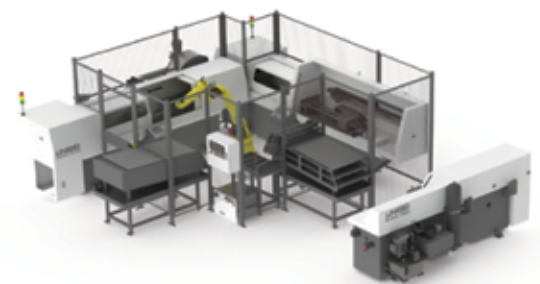
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Leading the way in deep hole drilling

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



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



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 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 applications, to accommodate any specific requirement.



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 manufacturer 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.



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.

For more information, see below.

Contact
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info@unisig.de
www.unisig.com

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 20 m 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 20 m deep and are supported with training from UNISIG throughout the process.

The larger swing B-Series machines have virtually limitless capabilities, giving

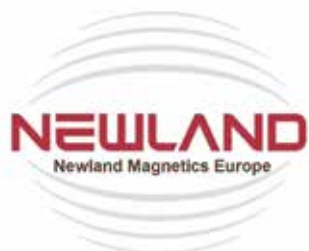


Newland Magnetics: Create a better, cleaner world



Established over 12 years ago and with ISO 9001:2015 and IATF 16949:2016 accreditation, Newland Magnet Corporation Ltd, located in Ningbo China is recognised as a leading supplier and manufacturer of NdFeB magnets, magnetic assemblies, separators and more cutting-edge technologies.

Newland Magnetics Europe with its offices and warehouse located in Cognac France are part of the Ningbo Newland Magnetics group who with an annual turnover of more than £30M, and production capacity of 1,000 tons per year, is rapidly becoming one of the largest producers of high-quality NdFeB magnets in China. Additionally, Newland Magnetics Europe can



Newland Magnetics Europe SAS Your total magnetics solution provider



Supplying a complete range of magnetic solutions from our European Offices

Newland Magnetics Europe with its offices and warehouse located in France, are part of the Ningbo Newland Magnetics group who have been manufacturing Sintered NdFeB magnets and magnetic assemblies for over 12 years. Now with an annual turnover of more than €30M, ISO9001:2015 & IATF 16949:2016 accreditation and production capacity of 1,000 tons per year Newland Magnetics is rapidly becoming one of the largest producers of high-quality NdFeB magnets in China.

Newland Magnetics Europe can provide material data, technical, design assistance and sampling to assist with your application.

Once in production we can also provide a range of stocking options including consignment stocking at our location in France or within your own facility. Newland Magnets also supply Bonded NdFeB, Flexible magnetic sheets, magnetic powder, AlNiCo, SmCo, Hard ferrite and complete magnetic assemblies.

Please visit www.newlandmagnetics.eu

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provide material data, technical, design assistance and sampling to assist with your application.

Our parent company in China has been working with a number of organisations including the Chinese Academy of sciences which has enabled us to now start supplying a range of rare earth metals with a very high purity of up to 4N. The materials we can supply include Neodymium, Samarium, Aluminium Scandium and Dysprosium.

The materials are supplied in ingots or powder form and in a range of packaging to enable easy integration into your production process. You can find the full list of pure material we can supply on our website.

More recently we have seen the cost of the raw material for NdFeB magnets increasing at an incredible rate with the price per ton of Neodymium jumping over 30% since the beginning of October. To help our customers manage this increase in cost we work with our engineers to try and find ways to use lower grades of NdFeB if possible and also look at using alternative materials such as samarium cobalt. Our Factory also control the manufacturing process to ensure any waste material is recycled back into production.

They also are recycling magnets from obsolete assemblies such as hard drives and motors to reuse the magnetic elements in their new production process.

If you would like to find out more about Newland Magnet's specialist services, then don't hesitate to contact the group today. More information can be found on their website listed below:

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