

INDUSTRIAL

ISSUE: 665 | May/June 2023 | [www.solutionspublishing.co.uk](http://www.solutionspublishing.co.uk)

[www.facebook.com/solutionsuknews](https://www.facebook.com/solutionsuknews) | [@Publishing\\_2016](https://twitter.com/Publishing_2016)

# SOLUTIONS UK

## THE HEALTH PROFESSIONAL IN COURT

*10 PRINCIPLES FOR PRACTICE*

Turn to pages 20-21

**Interface Force UK**  
turn to page 3

**Davies Turner**  
turn to page 4

**Lauda Technology**  
turn to page 5

**Manosun**  
turn to page 7

**Camb Machine Knives**  
turn to page 7

**ERG APC**  
turn to page 10

**Red Herring  
Event Services**  
turn to page 11

**Curtiss Wright**  
turn to page 14

**Direct Hoist**  
turn to page 15

### High quality, high capacity mowing systems

The best mowing systems for the maintenance  
of large area turfgrass

See them on page VIII in BUILDING UPDATE





# Contents

**03** Interface Force UK  
Force & Torque  
Measurement Applications

**04** Davies Turner  
Logistics

**06** Service Sealing  
Solutions  
Commitment to Excellence

**08** Enimac  
Tape Applications

**11** Red Herring  
Event Services  
Event Services  
Company of Choice

**12** Assentech  
Biogas & Ventilation

**15** Direct Hoist  
Construction Hoist  
Company of Choice

## Including BUILDING UPDATE

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

## Editors Comments

### Hello & Welcome to Issue 665 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 groundbreaking innovations and this month, we are overjoyed to be highlighting the activities of Interface Force UK and Red Herring Event Services.

Firstly, we would like to focus on the accomplishments Interface Force UK who this month features on page 3!

Secondly, we are featuring Red Herring Event Services with the 'Event Services Company of Choice' profile following their impressive performance over the years. For more information, turn to page 11.

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

FIND US ON:  
f    
Download on the  
App Store

## Industry

### 4/4 – Offline buffering for maximum efficiency

**M**any production lines have one or more machines that need to be stopped and restarted frequently, greatly affecting line efficiency. Depending on the situation, an accumulation system can be used to hold items in place while the machine is stopped. This prevents the items from backing up and slowing down the rest of the production line.

#### Project details:

- Offline accumulation
- AccuVeyor AVo 90 metres of accumulation

- This translates into 8 minutes of extra storage
- Video: <https://www.youtube.com/watch?v=snHEMhMgyk8>

This customer sought a simple but effective way to buffer their product flow. As is often the case with cartoners, small stops and jams were common at their layout and significantly impacted the efficiency. In case of one of those micro stops, the line needed a buffer big enough to give the engineers the time required to fix the problem.



have a compact footprint, but with the patented triple-e technology, they also have the unique ability to push the performance and increase height while lowering energy usage and maintenance costs.

The AmbaFlex SpiralVeyor was the ideal solution. Not only do AmbaFlex spirals

In this case, the AccuVeyor AVo, with 90 metres of conveyor belt, gives the line 8 minutes of extra time. Once there is a downstream stop, the first switch gets a signal to divert the products 'offline' to the Spiral.

**AmbaFlex, elevating customers to greater heights!**

**Contact**  
T +31 229 285130  
[inquiry@ambaflex.com](mailto:inquiry@ambaflex.com)  
<https://www.ambaflex.com/en>

## Industrial Application


**CML** INNOVATIVE TECHNOLOGIES  
A Grupo Antolin Company *WHERE INNOVATION COMES TO LIGHT*

 LED LAMPS
  CUSTOM BUILD
  CONTRACT ASSEMBLY
  PANEL MOUNT INDICATOR

 CUSTOM SOLUTIONS
  TOWER LAMPS
  KITTING FACILITY
  STOCK HOLDING

Contact CML customer service **now** to discuss your requirements or for Stockist information.

**CML Innovative Technologies Ltd.**  
69/70 Eastern Way, Bury St Edmunds,  
Suffolk, IP32 7AB, United Kingdom  
Tel: +44 (0) 1284 714700 email: [uksales@cml-it.com](mailto:uksales@cml-it.com)  
[www.cml-it.com](http://www.cml-it.com)




**CML** INNOVATIVE TECHNOLOGIES  
*WHERE INNOVATION COMES TO LIGHT*

## High Quality Panel Mount Indicators

CML IT continues to be the number one supplier of panel mount indicators, LED lamp replacements and LED tower lamp solutions. PMI highlights include:

- Plastic and metal bezels with a wide range of options in stock.
- Development of custom solutions.
- IP40 and IP67 ratings.
- UK manufacturing facilities.

**Contact our Customer Services department to discuss your requirements today.**





**Visit our website at:** [www.cml-it.com](http://www.cml-it.com)

**CML Innovative Technologies Ltd,**  
69/70 Eastern Way, Bury St Edmunds,  
Suffolk, IP32 7AB, United Kingdom  
Tel: +44 (0)1284 714700  
email: [uksales@cml-it.com](mailto:uksales@cml-it.com)



# Providing solutions for your force or torque measurement applications

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

Based in Crowthorn, Berkshire, Interface Force distributes to the whole of the UK & Ireland, but also overseas, especially

into Turkey, Greece and the Middle East. The company is a primary distributor for Load Cells manufactured by Arizona-based Interface Inc., and it also supplies their Torque Transducers, associated electronics, multi-access Load Cells and the XSensor Pressure Mapping systems.

The global Interface Inc. is represented by a large network of distributors outside of the US, and they have requested

products that are designed and manufactured in metric, with the precision and accuracy of all Interface products. These products are designed for an international buyer and user, and all specifications are in metric specs, a global standard for force measurement products.

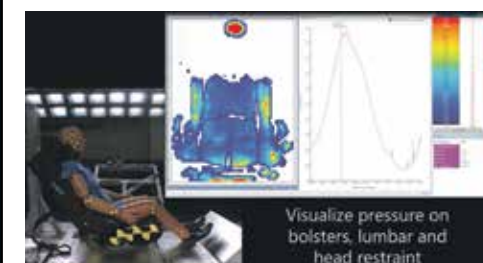
Interface Force work mainly with aerospace, automotive, and motorsport companies, and Business Development

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

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

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

Interface Force is currently re-launching its XSensor High Speed Pressure Mapping System – the company offers a range of pressure mapping systems that can



be applied to anything from impact testing to pressure testing tires, runways, beds, seats and much more. The XSensor system is the first system design to allow product designers and safety testing engineers to see, record and evaluate the distribution of force from high-speed impacts on safety equipment such as helmets and body armour.

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

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

In spite of its success in the industry, Interface Force is very much looking to future development. Tony informed us, "We are building new Applications which are based around renewable energy, and we are also developing Cloud-based, Wifi and Bluetooth data acquisitions by making our devices wireless. This would mean customers being able to collect data from anywhere in the world via an App."

This ever-growing comprehensive range of indicators, signal amplifiers, data loggers and wireless transmitters has been designed to complement the extensive range of load cells, torque transducers and pressure sensors, and the range has developed to ensure that customers have access to the most accurate, up-to-date, and cost-effective devices available.

Another new development is in the Airport environment, where Interface Force have begun to provide wireless monitoring of equipment on, for example, luggage carousels, and this product among many others have helped Interface Force to have a very successful past 12 months especially.

**For more information, please see below:**  
T +44 (0)1344 776666  
info@interfaceforce.co.uk  
www.interfaceforce.co.uk



## Automotive R&D

Whatever you need to measure  
We have the sensors



FORCE • TORQUE • PRESSURE



+44 (0)1344 77 66 66



info@interfaceforce.co.uk



interfaceforce.co.uk



## How has global conflict affected freight?

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

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

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

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



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

**T 01709 529709**  
[rotherhamsales@daviesturner.co.uk](mailto:rotherhamsales@daviesturner.co.uk)  
<https://www.daviesturner.com/specialist/rotherham-specialists>



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

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



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

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

# Davies Turner

## Your worldwide freight and logistics partner since 1870

Our mission, quite simply is to satisfy the international freight and supply chain needs of our clients. This has remained a constant ambition since our foundation in 1870.

We continue to take pride in providing a professional and award-winning portfolio of services that are reliable, time/cost-effective, and tailored to the unique requirements of our customers. As one of the first Customs – Authorised Economic Operators in Europe, our focus on service, compliance and supply chain security has been acknowledged as market-leading.

**How our specialist team in Rotherham kept a unique request on track**  
 Davies Turner Rotherham offer many unique ways to arrange your shipping requirements. If you have something out of the ordinary, requires special licences, needs packing, heavy lifting or anything out of the 'normal,' contact our Rotherham office who will never refuse to quote on something unusual and will always take on the challenge.



**Catering for all your freight needs**  
[www.daviesturner.com/specialist/rotherham-specialists](http://www.daviesturner.com/specialist/rotherham-specialists)

**T 01709 529709 | F 01709 529710**  
**Email [rotherhamsales@daviesturner.co.uk](mailto:rotherhamsales@daviesturner.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.

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.

**TEC-RFID**  
T 0844 870 7873  
info@tec-rfid.co.uk  
www.tec-rfid.co.uk

# TEC-RFID



## 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](mailto:info@tec-rfid.co.uk) or visit [www.tec-rfid.co.uk](http://www.tec-rfid.co.uk)

# LAUDA

EXPERTS IN PRECISE TEMPERATURE CONTROL  
Industrial & Laboratory Solutions



Process Circulators • Chillers • Shakers • Incubators • Freezers  
Viscometers • Tensiometers • Stills • Contact Angle Measurement

Please telephone +44 (0)1780 243118  
[info@lauda-technology.co.uk](mailto:info@lauda-technology.co.uk)  
[www.lauda-technology.co.uk](http://www.lauda-technology.co.uk)

°FAHRENHEIT. °CELSIUS. °LAUDA.

## LAUDA: Experts in Thermal Control and Measurement



LAUDA: Experts in Thermal Control and Measurement Providing Innovative Solutions for Thermal Process Control, Chilled Water Applications, Water Baths, Freezers, Incubators, Shakers, Stills, Tensiometers, Viscometers and Contact Angle Measurement.

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.

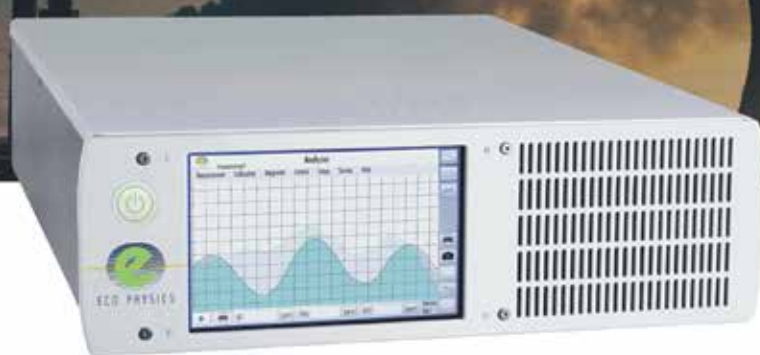
T +44 (0)1780 243118  
[info@lauda-technology.co.uk](mailto:info@lauda-technology.co.uk)  
[www.lauda-technology.co.uk](http://www.lauda-technology.co.uk)

## Industrial Emission Monitoring

# ECO PHYSICS nCLD "Facelift" boxed solutions

# AL, AL<sup>2</sup>, EL S, EL, EL<sup>2</sup>



Compact analyzer with external or integrated pump  
"Toggle mode" NO<sub>2</sub>-feature for One-Channel instruments  
Intuitive graphical user interface  
Internal data logger and status recorder  
Remote operation/control, Power DOWN/UP  
USB, HDMI, LAN/WLAN, Bluetooth, RS-232, Analog I/O

Measurement of  
NO • NO<sub>2</sub> • NO<sub>x</sub>

The one- and two-channel chemiluminescence based NO<sub>x</sub> analyzers of the nCLD "Facelift" box-solution analyzers detect NO, NO<sub>2</sub> and NO<sub>x</sub> at concentrations ranging from 5ppm to 5,000ppm with minimal detection limits averaging from 0.4ppb to 0.5ppm. They hereby focus on two main application areas, Ambient Air (AL, <50ppm) and Emission/Process (EL, <500ppm; EL S <5,000ppm) monitoring. The one-channel nCLD AL, EL and EL S feature an external pump, while the two-channel nCLD AL<sup>2</sup> and EL<sup>2</sup> include an internal pump. The nCLD "Facelift" boxed solutions consist of five, fixed and pre-configured analyzers. The nCLD AL (Ambient Level) and EL S/EL include a standard NO/NO<sub>x</sub> measurement, with an optional NO<sub>2</sub> add-on, while AL<sup>2</sup> and EL<sup>2</sup> include, due to the two-channel set-up, a standard NO<sub>2</sub> detection. The slightly modified front panel has been equipped with an additional Power-button and a new internal PC. Additionally, are all nCLD-models capable of a remote power down/up including a failsafe feature.



ECO PHYSICS AG • POB • CH-8635 DÜRNEN • TEL. +41 55 220 22 22 • FAX +41 55 220 22 55 • E-MAIL [info@ecophysics.com](mailto:info@ecophysics.com) • [WWW.ECOPHYSICS.COM](http://WWW.ECOPHYSICS.COM)

## Leaders in measurement of Nitrogen Oxides



ECO PHYSICS AG has a global presence with its main HQ based in Dürnten, Switzerland, and two other offices in Germany and the United States. Since 1989, ECO PHYSICS AG has been at the forefront of the environmental, health and process control industry. Its ECOlogical leadership combined with its passion for innovation ensures the company remains dedicated to sustaining the environment through all of its business activities.

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

For more information, please see below:  
T +41 55 220 22 22  
[info@ecophysics.com](mailto:info@ecophysics.com)  
[www.ecophysics.com](http://www.ecophysics.com)



# The UK's number one sealing solutions provider

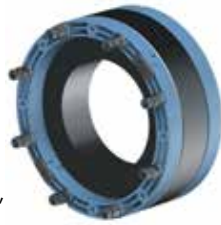
Industrial Solutions is proud to announce Service Sealing Solutions Ltd as the recipient of our Commitment to Excellence Award.

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 and HKD, Service Sealing Solutions Ltd specialises in high-quality service duct sealing systems for utility services and watertight seals.

Service Sealing Solutions Ltd has the exclusive rights to distribute DOYMA products in the UK. DOYMA stands on the front line when it comes to the development of innovative, practical

tradesman instantly looking to solve sealing problems and can be adapted to multiple applications.

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, please see below:**  
**T 01952 510050**  
**[www.servicesealingsolutions.co.uk](http://www.servicesealingsolutions.co.uk)**



## Service Sealing Solutions Ltd – suppliers of DOYMA products



**Husband and wife team, Jim & Tina have recently visited DOYMA in Germany to find out about the innovative products that DOYMA have been developing**

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.

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



Service Sealing Solutions Ltd are the sole UK distributor of DOYMA products. 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 to the wall to permanently prevent any infiltration of gases and water into the building, and the duct sealing systems are guaranteed for 25 years. Service Sealing Solutions supply the full range of products to suit all situations for power cables, communication cables, pipes and ducts, and specialising in sealing district heating pipes.



**01952 510050 | [www.servicesealingsolutions.co.uk](http://www.servicesealingsolutions.co.uk)**  
**[sales@servicesealingsolutions.co.uk](mailto:sales@servicesealingsolutions.co.uk)**



# Hand protection that is a cut above the rest

In this issue of Industrial Solutions, we are pleased to announce Manosun as the recipient of our Commitment to Excellence award.

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

is breaking the mould of traditional offerings with a core range of hand protection that are safe and the perfect fit for anyone that requires PPE.

"We believe our services outweigh that of any competitor because as well as our core-range of products, Manosun offers a quick turnaround product development process where we evaluate the end-user's processes and tweak/develop a more fit for purpose product. As well as our FOC site-survey to enhance any risk assessment, we also

add volume to any work operating procedure," stated Steven Patterson, Country Manager UK & Europe.

Manosun breaks its products down into three categories that ensure excellence, longevity and value for money. Each product is made to the highest 'Quality' meaning only the best quality materials and yarns are used to ensure a long-life product that can be used over again without wear or tear, and that also give comfort to all users. 'Service' – Manosun prides itself on its quick

turnaround service whether than be an order process, sample request, or site survey. Lastly, 'Value,' Manosun believe that not only does the cost-in use value matter but also its business values too. "We work closely with our distributors and end-users to nurture them in a partnership arrangement that supports each other's enterprise," added Steven.

Manosun's current portfolio consists of a large range of hand protection products where it works with all end-users including globally known brands such as Nissan, JDR Cables, and SUEZ. Also part of its service, Manosun will survey any work environment, advise on the correct

## Machine Knives

# CAMB MACHINE KNIVES

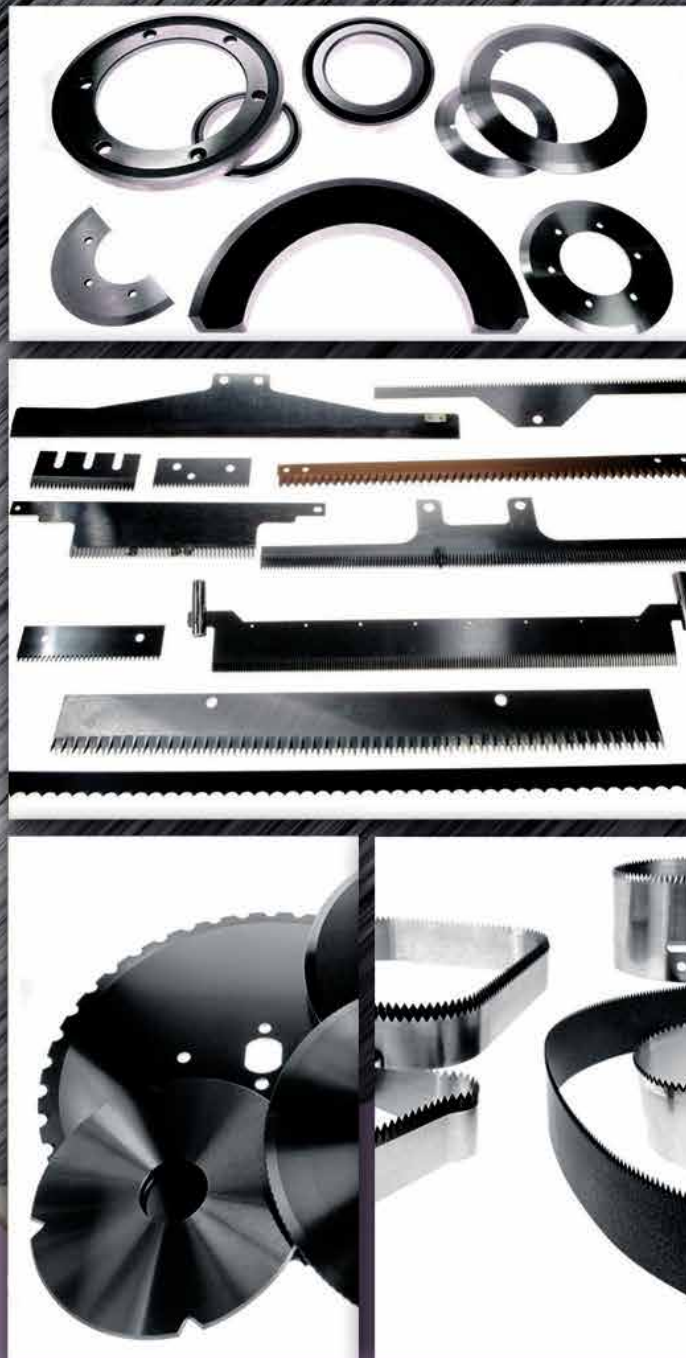
*"A Cut Above the Rest"*

Our range includes many types of blades, but not limited to:

- ANVIL
- BAGGING KNIVES
- BOTTOM KNIVES
- CARPET KNIVES
- CIRCULAR KNIVES
- CONFECTIONERY KNIVES
- GRANULATOR KNIVES
- POULTRY PROCESSING KNIVES
- POULTRY UTILITY BLADES
- STRAIGHT KNIVES
- TOBACCO KNIVES
- TOOTHED KNIVES
- TOP DISHED KNIVES
- TRAY FORM KNIVES
- COFFEE GRINDER BLADES (INSTANT COFFEE)

We have been supplying our knives worldwide for over 30 years.

We deal with carrier and freight companies so we always remain competitive for price on any destination.



level of hand protection needed or if needed, and will even develop a brand-new product to the exact requirements of the customer.

For the past 12 months, Manosun has been concentrating on the growth and awareness of the brand. It's initial approach to 2023 was to increase the awareness its products and dedicated a quarterly plan that would see them employ two new field sales persons in Q1.

The first started on May 22nd and the second will start in the following six months.



From there, the plan is to keep moving in an upwards trajectory for the rest of 2023 and beyond. "Moving forward, we will continue to grow our range of products. In 2023, we launched the Manosun BASIC range (not yet on the website). This is a range of gloves that contain rPET created from recycled materials (Plastic) to make industrial Polyester, each pair of gloves contains on average 36% recycled materials. Having a commitment to excellence means everything to Manosun, which is why we work with the BSIF as well as local networking and support groups NEAA (North East Automotive Alliance) and the AMF (Advanced Manufacturing Forum) to learn and adopt Best Working Practice from local industry as well as National and European requirements as a PPE provider/manufacturer currently instructed by the BSIF."

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



**CAMB MACHINE KNIVES INTERNATIONAL LTD**

Tel: 01454 322178 | Fax: 01454 321172

Email: sales@camb-knives.co.uk

www.camb-knives.co.uk

MANUFACTURERS AND DISTRIBUTORS OF MACHINE KNIVES TO ALL INDUSTRIES





## Tape Applications

# Enimac releases NEW tape application automation solution



Enimac was founded in 2013 by a tape converter in northern Italy, Biemme Adesivi. The synergy created gave clients in Italy access not only to tape, but to machines, better known as tape application solutions. Over the years, Enimac has slowly expanded this philosophy worldwide by partnering with tape companies and tape converters to add its automation to their tapes, offering their clients the same complete tape and automation solution.

Today, Enimac's headquarters are situated in Cornaredo on the outskirts of Milan in Italy, where the company continues its work to design, develop, and manufacture solutions for applying adhesive tape.

Enimac's extensive history has made them a household name in the industry and is why the company is trusted by many long-term clients. "We started out by making table-top and standalone tape application machines for the printing and packing industries. As these machines can be used to apply tape to any flat substrate up to 15mm thick and 1.6m wide, we had requests from other industries who used the machine to apply tapes to aluminium and PVC sheets. Additional industries took interest requiring other types of customised solutions, and we have since made 2-axis application solutions used in EV battery production in the automotive and ship building industries as well as 3-axis and multi-axis solutions for the white goods and furniture industries. As robots

and cobots are found in industries everywhere, we've developed an 'end-of-arm' applicator to integrate onto these, with solutions used in the automotive, white goods, and other industries. Of course, we customise applicators to integrate into production lines or other machines as well," stated Martin Buerger, company vice president.

Enimac has recently completed some modules with more axes, including the XT Multicartesian that consists of 3 rows and 2-axis linear actuators with applicators capable of applying tape and rewinding the liner. Martin explains XT Multicartesian in more detail, "This module adds a taping

solution to a much larger production line. The applicators adjust for the thickness of the panel and move left and right to apply the tape where needed. A panel comes down the production line, passes through the taping module where tape is applied removing the liner with the panel coming out ready for the next assembly process. This applicator can apply tape from pancake rolls or, by integrating a spool unwinder, also from traverse wound spools."

This type of solution has been sold to previous furniture manufacturing companies who apply foam tapes to wood panels, but Enimac ensures the solution can also work with

similar flat panels using different tapes in other industries.

Enimac has been keen to showcase its new solutions to the tape industry, as well as explore, learn and gather insight on all the latest innovations and technologies available to the tape and adhesive industry.

**If you're interested in finding out more on Enimac's products and solutions then, visit their website: [www.enimac.it](http://www.enimac.it) or follow them on LinkedIn for news of future shows: <https://www.linkedin.com/company/enimac>**

## Flooring

Professional  
flooring for  
performing arts  
& dance  
education



Dance

## The world performs on Harlequin floors

Harlequin is the global leader in the manufacture, supply and installation of sprung and vinyl floors for dance and the performing arts and dance studio equipment. Established as the industry choice for architects, building contractors and the world's most prestigious dance and performing arts companies and schools.

For information about specifying the correct floor for dance and performing arts download our RIBA approved CPD online at [www.harlequinfloors.com](http://www.harlequinfloors.com) or via the RIBA CPD page.

Contact our technical team for more information:

**+44 (0) 1892 514 888 [education@harlequinfloors.com](mailto:education@harlequinfloors.com)**

LONDON • LUXEMBOURG • BERLIN • FORT WORTH • MADRID • PARIS • PHILADELPHIA • SYDNEY • HONG KONG • TOKYO • BRNO • LOS ANGELES



**HARLEQUIN**

## Sensing & Control Devices

## British Encoder Products

Encoders are essential components in many industrial automation systems, providing precise and accurate measurement of the position, speed, and rotational angle of a moving object. One of the most common applications of encoders is in conveyor systems, where they play a critical role in ensuring the smooth and efficient transportation of raw materials and finished products.



A typical conveyor system consists of multiple conveyor belts that transport raw materials and products throughout a plant. The movement of the belts is controlled by a central control system, which relies on information from encoders to accurately control the speed and position of the belts.

Encoder technology has evolved in recent years, offering advanced features such as digital outputs, high accuracy, and high-resolution measurement. These advanced features have made encoders a cost-effective solution for improving the performance of conveyor systems.

One of the key benefits of using encoders in conveyor systems is the ability to precisely control the movement of the conveyor belts. This is achieved by measuring the position and velocity of the belts and providing this information to the control system, which can then accurately control the movement of the belts. This results in a reduction in production delays and an increase in efficiency, as raw materials and finished products are transported smoothly and efficiently throughout the plant.

Contact our team of experts to get your ideal motion control device:  
**T +44 (0)1978 262100**  
**[sales@encoder.co.uk](mailto:sales@encoder.co.uk)**  
**[www.encoder.co.uk](http://www.encoder.co.uk)**



# New products launched for force, torque transducer and pressure measurement

## Interface

The World Leader in Force Measurement

Interface Force Measurements Ltd is a leading force, torque, transducer and pressure measurement specialist, recognised internationally for its benchmarked manufactured load cells.

Established in 1996 by Neil Johnstone, the business has expanded exponentially to include world-class customers such as: Airbus, BAE Systems, Agusta Westland Helicopters, Formula One Teams, Automotive Manufacturers and Test Rig manufacturers.

With a base in Crowthorn, Berkshire, Interface distributes to the UK, Ireland and internationally: notably Turkey, Greece and the Middle East.

Its flagship distribution products are load cells, expertly manufactured in-house by Arizona-based Interface Inc., alongside the Torque Transducers, associated electronics, multi-axis Load Cells and the XSensor Pressure Mapping systems.

The load cells are favoured by aerospace companies for force measurement due to the innate accurate and repeatable, precision results. Interface Force has repeat custom with automotive, motorsport, universities and medical companies carrying out product development research, including popular demand for load cells for weighing saline bags.

Tony Rokins, Business Development & Pressure Mapping Specialist tells us about the latest exclusive Interface developments, "We have just introduced a couple of new products – The 9325 hand-held digital display indicator.

"This is a replacement and upgrade to our popular 9320 indicator. It can be used to display readings from any force, torque or pressure transducer with mV/V output, up to a sensitivity of  $\pm 1$  V/V. The 9325 has a microprocessor with 24-bit internal resolution, 2,400 samples per second device and features TEDs (Transducer Electrical Datasheet)."

The upgraded 9325 can interface with any full bridge sensor, with the capability of a live calibration of transducers and comes TEDs-ready. The Interface engineers have designed 9325 with improved memory capabilities: up to six calibration ranges for varying loading settings or different devices. Amazingly, it will even remember the calibration of the previous 20 TEDS devices, using its superior automated recognition feature.

The new digital indicator is easily powered using 2x AA batteries and compatible with any Load Cell, torque transducer or other transducer with mV/V output. In addition, it can be used with any TEDS transducer using templates 33, 40 or 4 and has a Backlit display, 128 x 64.

The 9325 hand-held digital display indicator set-up is remarkably quick and easy but Interface will offer a set-up service for customers who purchase the device with a load cell or other mV/V device.

"The other new product is our Super SC mini S-Beam. This is a low-cost, general-purpose load cell, available in capacities from 100N (25lbf) to 5,000N (1klbf). The Super SC is an environmentally-sealed load cell that's insensitive to off-axis loading."

This small-form factor S-Beam load cell has high stiffness and low deflection and is ideal for OEM applications. It gives first-rate resistance to off-axis loads, compared to standard S-Beam designs.

The innovation doesn't stop there as Interface are looking to launch a new remote monitoring application later this year, "We are currently working on a remote monitoring application. The idea is to enable customers to monitor data from their load cells, torque transducers or pressure sensors. They will be able to display data on their Android or iOS devices from anywhere in the world. We are currently planning on launching this service at the EIS's Instrumentation, Analysis and Testing event at Silverstone in May.



"We are always looking for the brightest minds in the business to join us and we have welcomed some recent, new additions to the team: James and Luke. James has come to us with lots of experience, helping us to improve our business support operations. Luke has come to us straight from university with a degree in mechanical engineering. Luke is growing into a technical sales/tech support role. We are pleased to have them both on board and look forward to helping them grow their careers."

Interface will be attending trade exhibitions throughout 2023 and would be delighted to talk to new and existing customers, catch them at the following events:

- **Instrumentation, Analysis & Testing Expo:** The Silverstone Wing, Silverstone Race Track 16th May
- **Manufacturing and Engineering Week:** NEC. 7th-8th June
- **Automotive Testing Expo Europe:** Messe, Stuttgart 13th-15th June
- **Advanced Engineering Expo:** NEC 1st-2nd November

The new 9325 hand-held digital display is available to order online at: <https://store.interfaceforce.co.uk>

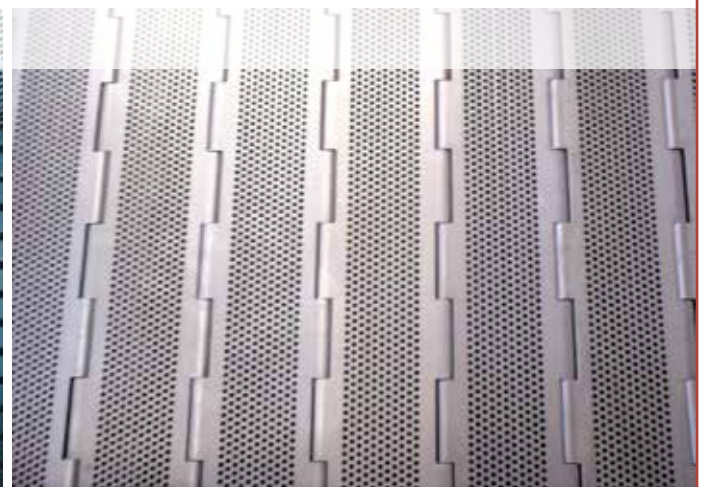
For more information in Interface, please see the details below:  
T +44 (0)1344 776666  
[info@interfaceforce.co.uk](mailto:info@interfaceforce.co.uk)  
[www.interfaceforce.co.uk](http://www.interfaceforce.co.uk)



## Industrial Processing



we make ideas come to life



### Industrial Processing

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

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

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

Another area of Industrial Processing is medical and pharmaceutical,

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

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

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

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

### Bridge Slot

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

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

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

### Food Processing

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

For more information, please visit: [www.rmig.com](http://www.rmig.com), telephone: 01925 839610 or email: [info.uk@rmig.com](mailto:info.uk@rmig.com)



# ERG (Air Pollution Control) Ltd cleans up

The ERG group has over 40 years' experience and operates through three divisions. The powerhouse of the group is the first of these, ERG (Air Pollution Control) Ltd. This division has highly qualified and experienced teams of chemical, mechanical and electrical engineers who, together with design engineers, project managers and procurement professionals, design and supply bespoke gas scrubbing systems and odour control plants to meet their clients' requirements.

ERG solves the full spectrum of gas cleaning challenges facing its clients; whether it is a requirement to remove foul odours from air under ambient conditions prior to release into the atmosphere, right up to scrubbing streams of process gases at high temperatures, high pressures, or in explosive environments to remove toxic or aggressive pollutants. The level of technical sophistication and bespoke engineering content is each project is specific to the clients' needs, with industrial applications typically demanding the highest processing technology.

The commercial driver leading clients to invest in ERG's systems might be a pressing requirement to comply with government regulations or with the emission limits set in an operating licence issued by an appropriate agency. For other clients, ERG's expertise is often sought to clean up gas streams that form an integral part of the client's production process. For example, in the green energy sector ERG's systems purify biogas or syngas that they have generated, so that the client's process runs more efficiently with lower pollution levels. In some cases, ERG's gas cleaning systems can even generate by-products, which become value added saleable side-streams.

Based in West Sussex, ERG has grown its business strongly over the years to build up a global sales network and client base.

An office in Jordan services ERG's business throughout the Middle East region, and is fully staffed with design engineers, project managers and local sales managers. A satellite sales office in Dubai completes the Middle East structure.



ERG (Plastic Fabrication) Ltd is the manufacturing division for the group and specialises in the high-quality custom fabrication of tanks, vessels, pipework and ducting from GRP and composite plastic materials, and which are used in the systems designed by ERG (Air Pollution Control). ERG (Plastic Fabrication) Ltd also welcomes commissions direct from 3rd party customers. It has a vast arsenal of services to offer clients, and has specialist experience in manufacturing using a wide range of plastic materials including PVC, CPVC, Polypropylene, PVDF, and other specialty plastics for harsh environments such as ECTFE.

Finally, the group includes ERG APC Maintenance Ltd. This division's mission is to provide servicing and maintenance support to customers throughout the lifetime of their air pollution control system. Service can be provided under contract to include a routine preventative maintenance servicing schedule designed to maintain system performance. Alternatively, maintenance can be provided on an ad hoc basis as and when required.

All three-company divisions are now based in superb new purpose-built office and factory facilities in West Sussex,

which were completed in 2021. Having all divisions on the same site significantly enhances working efficiency, design quality, production quality, and production capacity.

**For more information, please contact  
ERG (Air Pollution Control) Ltd at:  
T 01403 290000  
Middle East office +962 6515 9021  
info@ergapc.co.uk  
www.ergapc.co.uk**



## ERG (Plastic Fabrication) Ltd

At ERG (Plastic Fabrication) Ltd, we specialise in the high quality custom fabrication of process industry vessels and associated components from GRP and composite plastic materials.

With almost 40 years experience of supplying tanks, scrubbers, filters, silos, vessels, piping and ducting, we are sure to be able to meet your requirements with high quality products at competitive prices.

### Plastic Fabrication – Materials of Construction

Depending on your specific requirements we can fabricate from a wide range of common plastic and composite materials including:

- PVC – Poly Vinyl Chloride
- UPVC – Unplasticised Poly Vinyl Chloride
- PPVC – Plasticised Poly Vinyl Chloride
- PP – Poly Propylene
- HDPE – High-density polyethylene
- GRP – Glass Reinforced Plastic

**For more information, call 01403 291 000,  
email [info@ergpf.co.uk](mailto:info@ergpf.co.uk) or visit [www.ergpf.co.uk](http://www.ergpf.co.uk)**



## Automation

### D:PLOY the automate platform for collaborative applications

#### Zero programming and zero simulations to run your application

D:PLOY is industry's first automated platform for building, running, monitoring, and re-deploying collaborative applications. It automates the process of getting a robotic application up and running, allowing users to deploy applications directly on the manufacturing floor, with zero programming and zero simulations.



OnRobot D:PLOY CNC Machine Tending

#### Automate your production easily

D:PLOY allows users to automate faster, easier and without risk. It addresses one of the industry's biggest challenges: The labor and robotic skills shortage.

#### How D:PLOY works

D:PLOY automatically detects most of the installed hardware components and generates robot movements based on the obstacles and cell boundaries defined in the workspace offering a reduction in robot cell deployment time and complexity. For example, the initial deployment of a palletizing application drops from 40 to 4 hours, which corresponds to a time saving of 90%.

At the same time, D:PLOY offers the flexibility to quickly reimplement the application for new products or workpieces when production requirements change.

As an automated platform that works with all the leading robot brands D:PLOY can be applied to a variety of common applications such as CNC machine tending, palletizing, packaging or transferring.

<https://onrobot.com/en>



# robot D:PLOY

Please visit [onrobot.com/en](https://onrobot.com/en)  
+45 53 53 57 37 | [sales@onrobot.com](mailto:sales@onrobot.com)

## WE ARE EXHIBITING AT

### NEW BARA EXHIBITION

# AUTOMATIONUK

# 2023

## Visit us at Booth B16





## Providing fencing and barrier solutions for the nation

In this issue of Building Update, we are delighted to recommend Red Herring Event Services as our Event Services Company of Choice.

The Coronation of King Charles III was the highlight of this year's social calendar for many British and Commonwealth people around the world, and Red Herring Event Services is the first company that has served the previous Monarch Queen Elizabeth II and King Richard III of England with crowd barriers.

This highly successful company was first established in December

2006, by Charles Herring who has an extensive trade background in scaffolding. Beginning with event services for Leicester City Council in 1989, the company has snowballed: diversifying into other event areas.

Red Herring Event Services has provided fencing solutions for a range of events, from prestigious, sporting occasions like MSV Donington Park, to high-profile music events such as the X-Factor and Live Nation (Music) UK.

With health & safety being a prime concern at large-scale public events: the company provides industry-leading fencing and barrier solutions that cover a variety of perimeter measurements. The extensive product range includes: Crowd Control Barriers 2.3m, Steel Shield Hoarding 2.1m, Temporary Fencing 3.5m, and Police Met Barriers 1.5m.

The Police Met Barriers are precision-designed for large-scale public events, with the galvanised steel barriers providing optimal public safety. The Red Herring team are able to assemble and disassemble the barriers quickly, efficiently and safely, with priority given to pedestrian and spectator safety.


For added festival security, the Anti Climb Temporary Fencing 3.5m x 2m is designed to prevent opportunists from climbing the fence for a free ticket. Using cutting-edge technology, the anti-climb modular mesh properties prevent climbers. With a range of different stabilisers, festival organisers can add bespoke finishings, and with capacity to use 10.5km of fencing and 3.5km of crowd control barriers: all large-scale events are covered.

## Sensing & Control Devices

**Revolutionizing Precision and Control:**  
The power of encoder technology.

Whether you're in robotics, automation, or medical equipment, encoder technology gives you the power to make smarter decisions and optimize performance.

Over 50 years of experience



**BRITISH ENCODER PRODUCTS COMPANY**

W: [www.encoder.co.uk](http://www.encoder.co.uk)  
T: +44 (0)1978 262100  
E: [sales@encoder.co.uk](mailto:sales@encoder.co.uk)

**SUPPLYING THE EVENT INDUSTRY**

**CROWD CONTROL & POLICE MET BARRIERS, TEMPORARY FENCE & HOARDING PANELS**

Working in connection with LPH Concerts & Events | Leicester City Council | MSV Donington Park | VW Music | LOROS | Leicester City Football Club

We can also provide a full service of delivery, install, de-rig and collection. Nationwide service available. No job too small.

[www.redherringeventservices.co.uk](http://www.redherringeventservices.co.uk)  
[charles@redherringeventservices.co.uk](mailto:charles@redherringeventservices.co.uk)  
01652 640 426 07860 950 894

Charles Herring and his trusted team can provide fencing and barrier solutions all over the country, seven days a week, offering a full turnkey solution.

To enquire about fencing or barriers today, see the details below:  
T 07860 950894  
[charles@redherringeventservices.co.uk](mailto:charles@redherringeventservices.co.uk)  
<https://www.redherringeventservices.co.uk>



## Clean Air

**Breathe easy**  
with industrial air purification from Zehnder

In times where clean air is more important than ever, Zehnder's air cleaning solutions are a key factor in protecting your employees and equipment. They complement existing ventilation like LEV perfectly and flexibly to remove welding fumes, oil mist, dust and toxic gases.

And the best part: **Zehnder takes care of all filter changes and maintenance.**

Get in touch to request your personal air cleaning offer.

**Transform your business for the better**  
Industrial air purification has many advantages, such as:

- Healthy and safe employees
- Reduced cleaning costs (-70%)
- Less Maintenance
- Exceed customer expectations
- Improved product quality

Ben Simons, Head of Europe West:  
+44 (0)7909 533878  
[info@zehnder-cleanairsolutions.com](mailto:info@zehnder-cleanairsolutions.com)  
[www.zehnder-cleanairsolutions.com](http://www.zehnder-cleanairsolutions.com)

#startwithcleanair



## Packaging & Labelling

**Global Leader in Labels and Labeling Systems**



**BLANK & PRE-PRINTED LABELS  
LABELLING SYSTEMS • RIBBONS  
BARCODING • INKJET SYSTEMS  
SOFTWARE SUPPORT  
MAINTENANCE**

**Weber**  
PACKAGING SOLUTIONS

Visit [www.weber.co.uk](http://www.weber.co.uk)  
Tel +44 (0)1875 611111  
Email [sales@weber.co.uk](mailto:sales@weber.co.uk)

**Bringing technologies to market that improve packaging automation**

**Weber**  
PACKAGING SOLUTIONS

Weber Packaging Solutions provides high-quality labelling and coding solutions for all industry sectors of the UK market, for any surface and shape imaginable. The company also supplies Barcode software and operating supplies such as labels, colour ribbons or ink that enhance the product range, and also provides exceptional customer support services with suitable financing and customer training.

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

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

For more information, please see below:  
T +44 (0)1875 611111  
[sales@weber.co.uk](mailto:sales@weber.co.uk)  
[www.weber.co.uk](http://www.weber.co.uk)



# A best available technique that is revolutionising breather Valve Testing

Assentech was incorporated by Ewart Cox in 2008, who had 25 years industry experience, with the main aim of supplying quality equipment as well as providing technical advice and maintenance support for tank storage, fluid transfer and process safety applications. Currently, Assentech supplies products from prestigious manufacturers located across the Globe. Always focused on delivering quality solutions with focus on the environment, site safety, operating efficiency to protect assets, improve profitability, safeguard stakeholder confidence and evidence compliance.

"Buying once, buying well" is a familiar phrase with Assentech customers who are encouraged to evaluate their product selection by understanding the technical specifications of high quality well designed and supported products and not base their purchase decisions solely on price. Assentech firmly believe that best value solutions come from investing in quality that a lower cost of ownership and better protection of the environment



and employees far outweighs the initial appeal of cheap prices. Located in Cornwall, Assentech also has two satellite offices based in Gloucestershire and Yorkshire. The level of specialist expertise and comprehensive service comes completely unrivalled and reflects the quality and reliability of its team members who are committed to providing clients with a unique set of benefits to which they cannot find elsewhere. Assentech's core strength is our comprehensive understanding of breather valve functionality, compliance and comparative knowledge of the breather valve marketplace providing our customers with a unique and supportive overview to help guide decision makers.

We are extremely proud to be certified by a UKAS accredited company to ISO 9001, ISO 14001 and ISO 45001. Our enviable reputation is the outcome of our core strengths, which is to provide specialist engineering services, environmental solutions and safety equipment for process industries dealing with flammable, hazardous or corrosive substances. Our main objective is to help clients achieve regulatory compliance, reduce emissions and optimise their production processes," stated Debbie Pearce, Director.

Assentech Management is also represented on two International Standards Committees with Ewart Cox currently writing an environmental annexe for API2000.

In recent news, Assentech has just launched its new innovation: Vent-Less. A ground-breaking technology that is automated AI technology which enables breather valves to be tested according to API2000 testing protocol. "Vent-Less will provide a full leak and functionality test in less than two minutes as well as irrefutable results. The technology is revolutionising tank storage facilities and is unique to the world providing a best available technique to quantify, monitor and reduce emissions for environmental reporting, ESG metrics and providing valuable data for net zero analytics," said Debbie. You can find out more here: <http://www.assentech.co.uk/automatic-mobile-smart-test-bench-for-breather-valves-pvrv-prv-vrv-improve-efficiency-and-reduce-emissions>

Vent-Less was recently used by a customer from an anaerobic digestion waste to energy facility who was looking for ways to defend pending enforcement by the Environment Agency for emissions violation. After Assentech measured the methane leak rate of the vents they removed and replaced, the results were outstanding. The reduction in vent leak rate dropped from 90cfh per hour to 0.08m<sup>3</sup> per hour at 90% of set point. Saving the equivalent of 200 double decker buses to 0.2 of




one bus. IPCC calculates this reduction in environmental impact cost from £62,000 to £57 per valve per annum. Vent-Less also provides valuable data for defending Regulation 61 enforcement notices, litigation claims and criminal investigation.

In support of this innovation, Assentech has also launched a free to use environmental methane leakage calculator on its website, which provides clarity on both the environmental and financial costs to leakage.

For more information, please see below:  
<http://www.assentech.co.uk/anaerobic-digestion-biogas-pressure-and-vacuum-relief-valves-with-flame-arresters>

Contact  
T 01726 844707  
info@assentech.co.uk  
<http://www.assentech.co.uk>  
<https://www.linkedin.com/company/assentech>





**A Vital Tool to Evidence the Reduction in Fugitive Emissions for ESG and ISO 14001 Reporting**

**VENT-LESS**

We are proud to launch the World's first range of fully automatic breather vent functional test benches.

Revolutionising testing through technology and innovation.

- ACCURATE AND AUTOMATIC CALIBRATION AND TESTING IN ONLY 2 MINUTES BY ONE OPERATOR
- CALCULATES PERFORMANCE AND QUANTIFIES VOLUME OF MEDIA LOSS
- REVOLUTIONARY SOFTWARE ALIGNED TO THE TEST PROTOCOL DEFINED IN THE INDUSTRY STANDARDS
- QUANTIFIES EMISSION VOLUME FOR ESG REPORTING
- REDUCES THE RISK OF EXPLOSIVE ATMOSPHERES FOR DSEAR COMPLIANCE
- IDENTIFIES LEAKAGE RATE TO REDUCE FUGITIVE EMISSIONS
- YOUR 'INDEPENDENT ASSESSOR'
- IDENTIFIES INEFFICIENT AND NON-COMPLIANT EQUIPMENT
- EVIDENCES TANK VENTING DUE DILIGENCE AND DUTY OF CARE
- INSTANT FUNCTIONAL TEST CERTIFICATE FOR EACH VALVE INCLUDING PRESSURE PROFILE
- EVIDENCES ADJUSTED SET POINT FOR INFORMED PROCUREMENT AND MAINTENANCE DUE DILIGENCE
- ENSURES COMPLIANCE TO INDUSTRY STANDARDS/RECOMMENDATIONS, IE API2000, ISO28300 AND EEMUA231
- IMPROVES PRODUCTION EFFICIENCY AND QUALITY OF MEDIA THROUGH IMPROVED SEALING
- EXTENDS LONGEVITY OF STORAGE TANK AND SURROUNDING EQUIPMENT
- CONTRIBUTES TOWARDS ISO14001 ENVIRONMENT FOR CONTINUAL IMPROVEMENT

"KEEPING THE TANK STORAGE INDUSTRY SAFE, COMPLIANT AND PROFITABLE"



Instantaneous certificate displays pressure profile, valve function and volume of media loss



+44 (0)1726 844 707  
[www.assentech.co.uk](http://www.assentech.co.uk)  
info@assentech.co.uk



# Manufacturers of the largest spring range in the country

Operating from two locations across England, with manufacturing facilities dedicated to spring, wireform and metal pressings production in London and Cornwall, its sister company Metrol, is based in Northampton and specialises in gas struts and supplies its standard stock and gas springs. Overall, the company has a manufacturing capacity of over 7,000m<sup>2</sup>.

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

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

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

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

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



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

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

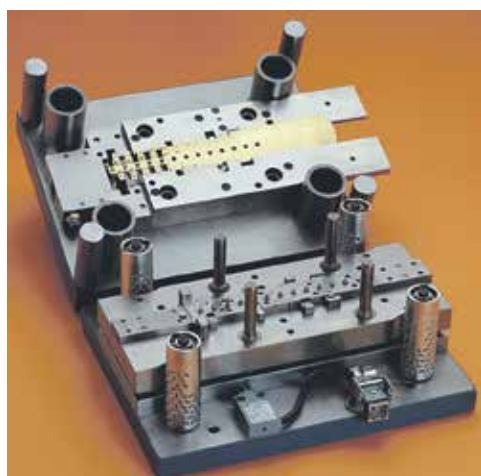
process and in-house design service for its customers. Liam explained further, "We offer design programs complete with CAD/CAM software and systems that help clients realise a range of prototype ideas which can be individually cut using precision lasers for R&D testing or put into full production. Our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



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

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

**T 0208 663 1800**  
**sales@europeansprings.com**  
**www.europeansprings.com**



## EUROPEAN SPRINGS & PRESSINGS

**LESJÖFORS**  
Global mind. Local heart.

## Complete service support from design to manufacture

We offer full design and production of standard and bespoke metal components in a comprehensive range of materials.

Our products range from tension, extension, compression, torsion and gas springs, to wire forms and metal pressings.



For all enquiries please call us on: +44 20 8663 1800  
or email us at: [sales@europeansprings.com](mailto:sales@europeansprings.com)



### Fluregiene 200™ provides protection for hygiene conscious parts and surfaces

- Excellent corrosion resistance
- Low friction anti-fouling and anti-stick properties
- Durable and easy to clean/wipe down
- Permanently applied to metals, alloys and plastics
- Built-in antimicrobial technology actively reduces microbes on the surface of the coating.
- Reduces fungal growth and surfaces stay fresh longer

For more information about **Fluregiene 200™** call us now on **+44 01386 425755** or email **info@cwst.co.uk**



Easy cleaning of hygiene conscious parts



Reduces microbial growth



Permanent coating protection

**CURTISS -  
WRIGHT**

**Everlube® Products**



# BUILDING UPDATE

ISSUE: 665 May/June | [www.solutionspublishing.co.uk](http://www.solutionspublishing.co.uk)

## Creating perfect sleep and storage solutions

### studio™ next bed™ beta bed™

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

Wallbed Systems Ltd. is a London-based global business established by Managing Director, Jeremy Waller, who has extensive experience selling mattresses and beds across Asia, who saw opportunities for sensible designs of reliable, safe and flexible wall beds, which could feature comfortable mattresses. With the latest designs and accessories (such as with the Alpha bed and Studio desk pairing) small or odd shapes rooms are transformed into multi-use spaces with cleverly concealed sleeping areas.

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

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

The Alpha bed system is the most popular product globally, available in standard and special sizes, vertical and horizontal mounting, with a choice

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

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

**For more information on the full product range and cabinet designs:**  
**T +44 (0)208 704 5796**  
**T +44 (0)7780 661958**  
**[jeremy.waller@wallbedsystems.co.uk](mailto:jeremy.waller@wallbedsystems.co.uk)**  
**[www.wallbedsystems.co.uk](http://www.wallbedsystems.co.uk)**



**CARLISLE**  
CM EUROPE

**Carlisle CM Europe**  
see them on.....III



**Tuff Waterproofing**  
see them on.....IV



**Blue Run Ltd**  
see them on.....VII



**LS Products**  
see them on.....VIII



**Leander Architectural**  
see them on.....IX



**CheckedSafe**  
see them on.....XI



**Vandecasteele**  
see them on.....XVI

**ALUGATE®**  
WELDED ALUMINIUM

The professionals choice for bespoke high quality aluminium gates, fencing and doors

- ▶ pedestrian, double or single swing, track or cantilever sliding, telescopic or bi-folding gates
- ▶ i-weld and Double ZERO system gives superior strength and no visible welds
- ▶ Qualicoat powder coating
- ▶ choose any RAL colour, micro-texture, gloss, matt, super matt, three-dimensional or wood grain finish

**alugate.co.uk**  
0114 3499599 | [info@alugate.co.uk](mailto:info@alugate.co.uk)

MARVERUK

## Midlands firm invents a world first in sustainable resin flooring

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

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

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

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

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

Abaplas instead contains non-harmful



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

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

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

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

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

**For more information, please visit:**  
**[www.abacusflooringsolutions.co.uk](http://www.abacusflooringsolutions.co.uk)**



## Landscaping

# Landscaping and Tree Surgery experts

Established as a forestry company by John Dolwin and Don Gray in 1969, Dolwin & Gray is now a successful landscaping and tree surgery business offering outstanding services to both domestic and commercial customers.

Now run by Colin Goss and Frin Noakes, Dolwin & Gray specialises in the care of trees in gardens and forests, looking after a tree throughout its life from seed

through to old age, finally offering felling services when necessary. With 50 years of experience to utilise, Dolwin & Gray can offer expertise in pruning, cleaning, reduction, reshaping, crow lifting, sectional dismantling of trees both large and small, and grinding of stumps.

Dolwin & Gray also provides outstanding landscaping services, starting with an initial meeting to plan and discuss the

best option tailored to the needs of the customer. Then, the company can offer ground clearance, ground preparation, turfing, grass seeding, hedge cutting and planting from small shrubs through to semi-mature trees.

Furthermore, the experts can offer tree reports and surveys to BS5837:2012, with advice on design, demolition and construction. Dolwin & Gray can assist

with applications for work to be carried out under Tree Preservation Orders in conservation areas with local authorities.

For more information, contact Dolwin & Gray's friendly and professional team using the details below.

**T 01892 853232**  
**enquiries@dolwinandgray.co.uk**  
**www.dolwinandgray.co.uk**



## Sustainable Construction

# Why 'Design and build' for passivhaus



### What is Passivhaus?

**P**assivhaus is an energy and comfort standard for buildings.

Using the PHPP energy-modelling tool, we can calculate the heating (or cooling) required to maintain a steady, comfortable internal temperature. The result must be no more than 15 kilowatts of heat per m<sup>2</sup> of useful floor area per year. For a 200m<sup>2</sup> house, something like 2kW of heating power will provide what is needed when external temperatures are at their lowest.

In order to achieve this we need a highly insulated, airtight, building envelope with heat-recovery ventilation, efficient heating and hot water systems, and carefully positioned windows to maximise solar heat gain when it's needed, without creating an overheating risk when it isn't

Low energy building is at once a design and construction discipline. There are many excellent architects with a solid understanding of the design issues, and a growing number of builders well versed in the implementation but having contractor on board with the expertise in-house to cover both ends of the process has un-deniable benefits for the self-builder. Not least the benefit of knowing precisely who is responsible for any given part of the process.

### How does using a design and build company help self-builders to achieve their project goals?

Managing costs is challenging for anyone involved in the construction projects at the moment. As both designers and contractors, having up to date cost information means we can use that knowledge to inform design decisions. Amending and revaluating as the project develops.

**How important is it to aim for certified Passivhaus?**  
The passivhaus certificate is a record of the buildings performance, a stamp of excellence if you like so it certainly has value, probably adding to the re-sale value of the property but it's the actual performance of the building that really matters.

### How important is it to aim for certified Passivhaus?

I think we should all take a pragmatic approach to achieving the best possible results given the priorities and resources we are working with. The focus may be in-use energy consumption, as covered by PH, or embodied energy and material toxicity, which aren't.

Passivhaus is an invaluable part of the picture. It isn't the only approach worth considering.

Passivhaus is an invaluable part of the picture. It isn't the only approach worth considering.

**T 0117 942 9717**  
**info@greenheartuk.com**  
**www.greenheartuk.com**

**greenheart**  
sustainable construction & design

"The Greenheart team take real pride in their work which makes it a more enjoyable process for everyone. They are respectful and have integrity and this was extremely important to me when making such a significant investment." - Louise, Stroud

Over 25 years of experience crafting beautiful, low energy homes  
Passivhaus / sustainable construction specialists  
Design/build or build only  
Working in Bristol, Bath, Stroud and surrounding areas

Studio 2, St Andrew's Road, Montpellier, Bristol, BS6 5EH | 0117 942 9717 | info@greenheartuk.com [www.greenheartuk.com](http://www.greenheartuk.com)

## Portable Buildings

**MADE IN THE UK**

**ModConCabins**  
Manufacturer of Modular, Containers & Cabins

Steel AV Cabins • Smoking Shelters • Chemical Stores & Storage Units  
Staircases & Steps • Effluent Tanks • Water Bowzers • Turnstiles

**INTRODUCING**

**MODCONCABINTRADER**  
**www.modconcabins.co.uk**

info@modconcabins.co.uk +44(0)333 404 8822 07842 318869

**ModCon Cabin Trader, the Modular, Portable Building & Plant Industry related, Resale/Auction website!**



## Landmark Windows & Joinery launches NEW Partner Program

"We are extremely proud and excited about our Partner Program. Our Partner Program will ensure we reach more customers homes and maintain original period properties in England. We will continue this focus further into 2023 alongside building a community of other window companies around us of whom we can partner and grow with together," stated Tom Hunt, Project Manager.

As well as being a 'Which? Trusted Trader,' Landmark is also London's leading sash window and joinery manufacturer. Becoming an approved partner with Landmark comes with a vast number of benefits from receiving job opportunities that ensure that warm leads are filtered and forwarded to approved partners based on companies' preferences and location, to being provided with the best marketing material for business growth.



Furthermore, you will also receive preferential pricing on all joinery with priority lead times,

access to Lead Tracking Software that will enable you to manage and track leads including admin material and support, and be assigned a Dedicated Account Manager who will be your single point of contact for all your needs.

For over 35 years, Landmark has been tailor-making quality hardwood sliding sash windows. As a family run business whose team of craftsmen boast an extensive history

of experience in the manufacture, repair and restoration of traditional windows, Landmark is committed to maintaining and preserving London and the surrounding counties English heritage and period properties.

**For more information, please see below:**  
**T 01992 761455**  
**info@landmarkwindows.co.uk**  
**www.landmarkwindows.co.uk**

## Roofing

### Waterproofing you can rely on

Carlisle Construction Materials Europe (CCM Europe) manufacture high quality waterproofing systems for new build and refurbishment flat roofing projects, along with the ARBO® range of sealants and EPDM tapes for façades, providing complete building envelope solutions for the construction industry.



CCM Europe is a dynamic company, driving innovation in speed and ease of installation, sustainability, and waterproofing performance across a variety of roofing technologies, including EPDM, bitumen and liquid Waterproofing. Offering expert technical advice to specifiers, CCM Europe supports optimised specifications, leveraging the variety across the company's waterproofing and sealants ranges.

CCM's RESITRIX® single ply waterproofing for flat roofs is the only roofing system that combines the properties of EPDM synthetic rubber and polymer-modified bitumen to create a durable hybrid membrane. An extremely flexible, single-layer waterproofing membrane, it can be applied on almost all substrates and provides fast and neat installation, with each section of membrane welded together quickly, easily and safely using a hot-air device without any need for naked flames.

Suitable for mechanical installation using induction technology, CCM's HERTALAN® EPDM system enables roofs to be made watertight quickly, with the company able to produce EPDM membranes up to 30m in length and in various widths up to 20m, thanks to its vulcanisation factory in Mansfield.

Another hero product within the CCM range is the ARBOFLEX® PU single component liquid waterproofing system. Made from pure polyurethane, which, once cured, forms a seamless elastic roof covering without any joints, ARBOFLEX® PU delivers air tightness and waterproofing on most substrates.

A high performance and wear-resistant membrane, ARBOFLEX® PU can adapt to any surface, including uneven, curved or irregular substrates. With its rapid-curing properties, it allows foot traffic within 24 hours. The single component liquid waterproofing can be applied straight from the tin, allowing fast and easy installation, and it is green roof compatible.

In addition to offering state of the art flat roofing and façade solutions, Carlisle supports expertise and knowledge sharing with the company's training courses at the CARLISLE® ACADEMY. Designed by professionals for professionals, CCM's training courses enable attendees to learn about the proven advantages of EPDM waterproofing solutions in an up-close, hands-on manner, ensuring construction industry professionals can maximise the products' performance benefits on site. For more information, visit: <https://www.ccm-europe.com/gb/academy>

Anticipating change creates opportunity for innovation and exceptional customer service. CCM has recently strengthened its sales and distribution network for the UK and the ROI market, welcoming new professionals to the company's sales team, with appointments including Charlie Patrick, who looks after the Eastern region, and Crawford McAllister who looks after the North and Scotland.

With ambitions to continue the company's impressive growth, CCM Europe has a clear strategy in place for further expansion. As a dynamic company that aims to support and motivate its people as much as possible, the business is constantly reviewing and developing its high performance product range.

**T 01623 627285**  
**info.uk@ccm-europe.com**  
**www.ccm-europe.com**

**You can watch installation videos for CCM Europe products here:**



Natural Roofing Slate priced to help YOU win projects

**RoofingSlateDirect.com**

**High Quality Slate at Low Prices!**

Quick & Easy Website Ordering

UK Wide Delivery & UK Technical Support

BS EN 12326-1:2014 to A1, S1, W1 & T1

Good match for Welsh Slate or Ballachulish Slate at a much lower price

Try us on your next slate roof project and find out what you've been missing!

**www.RoofingSlateDirect.com**  
 T : 0333 323 1768  
 E : [contact@roofingslatedirect.com](mailto:contact@roofingslatedirect.com)

**RESITRIX**  
**HERTALAN**  
**ALUTRIX**  
**ARBOFLEX**  
**ARBO**

Waterproofing solutions for flat roofs, facades and buildings

For trade, sales and distribution enquiries  
 Call: 01623 627285  
 Email: [info.uk@ccm-europe.com](mailto:info.uk@ccm-europe.com)

**www.ccm-europe.com**

**CARLISLE**  
 CM EUROPE

## Windows, Doors & Joinery

**Landmark**  
 WINDOWS & JOINERY

**SASH WINDOWS, DOORS & JOINERY TRADE SPECIALISTS**

**Londons Leading Sash Window & Joinery Manufacturer**

*Tailor-making your windows with over 35 years of experience and craftsmanship.*

Visit our website: **www.landmarkwindows.co.uk**  
 Telephone 01992 761455 | Email [info@landmarkwindows.co.uk](mailto:info@landmarkwindows.co.uk)



# The seriously multi-purpose GRP Roofing System

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

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

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

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



time and money. It can be applied to a variety of surface types and structures including vertical sections.

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

While other companies have standard GRP, TuffStuff® knows that this flexible GRP provides



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

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



companies have also begun using the flexible GRP for patch repairs too.

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

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

**For more information,  
please see below:  
T 01977 680250  
info@tuffwaterproofing.co.uk  
www.tuffstuff.co.uk**



SCAN ME



## 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



[www.tuffstuff.co.uk](http://www.tuffstuff.co.uk)

T 01977 680250  
[orders@tuffwaterproofing.co.uk](mailto:orders@tuffwaterproofing.co.uk)



# Make your project possible

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

Upon gaining understanding of the specific needs, goals

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

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

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

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

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

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

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



## Leaders in Built Environmental Safety and Health and Wellbeing Consultancy

Consulting on various aspects of project design, constructability and operational lifecycle matters for local and global commercial clients.

### CONTACT US:

**DCON Safety Consultants**  
Suite 5, Fitzwilliam Square East, Dublin 2  
Email [info@dconsafety.com](mailto:info@dconsafety.com)  
Phone +353 (0)1 611 1556

[www.dconsafety.com](http://www.dconsafety.com)

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

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

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

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

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

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

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

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

**T +353 (0)1 611 1556**  
**[diarmuid.condon@dconsafety.com](mailto:diarmuid.condon@dconsafety.com)**  
**[www.dconsafety.com](http://www.dconsafety.com)**





# Redefining best practice in the external wall insulation sector

Approved and recommended by leading manufacturers, Swifix Ltd offer the most cost-effective solutions to enable the fitting of external furniture through external wall insulation and rain screen cladding, with the added benefit of being specifically designed for the job. Its solutions are held in high regard for the future of retrofitting and the Modular housing sectors as well as being the ideal solution for a longer-term maintenance provision.

Previous best practice called for timber pattresses to be installed prior to the insulation being installed, however due to introduction of PAS2035 to enable improvement in the quality



of installation, timber is no longer accepted in the sector.

Swifix Ltd has engineered and designed the innovative range of products to eliminate the use of timber when installing external wall and rain screen insulation systems, and an environmentally friendly solution as manufactured from partially recycled materials and a fully recyclable product.



The company's proven multifaceted solutions are designed to help customers working across a number of industries. These include System Manufacturers, Main Contractors and Installers, Local Authorities and Registered Social Landlords, Architects, Homeowners and Private customers, as well as those involved in the Modern Methods of Construction (MMC) sector.

No matter the problem, Swifix Ltd maintains a strong and dependable ethos to deliver a service that is consistently high-quality and reliable. And, will always strive to keep its message clear of having the most innovative and cost-effective products currently available

on the market, to produce products that are highly robust and technically better than that of any competition, and to accelerate its efforts towards keeping the maintenance of all products risk free and easy to install.

Its extensive portfolio of products includes a solution for securing, rainwater goods, satellite fitting plates, tap fittings, connection point fittings, canopies, lights, alarms, fences providing a solution for both lightweight and heavier items, and all its products are recommended and also available from many leading system designers across the UK and Ireland ensuring that your investment is protected.

**For more information,  
please see below:  
T 01884 560477  
info@swifix.co.uk  
www.swifix.co.uk**



## INNOVATIVE PRODUCTS TO ENABLE FIXING THROUGH EXTERNAL WALL INSULATION

Our products are one of the most cost-effective solutions to enable the fitting of external furniture through external wall insulation and rain screen cladding, with the added benefit of being designed specifically for the job. Fully PAS 2035 compliant for the future of retrofitting and the Modular housing sectors and the ideal solution for a longer term maintenance provision.

All fittings meet stringent technical requirements by preventing the compression of insulation and providing a watertight seal. They are also approved by many leading manufacturers and organisations developing modern methods of construction to support the requirement for new homes in the UK.

To find out more, please visit [www.swifix.co.uk](http://www.swifix.co.uk), call **01884 560477** or email [info@swifix.co.uk](mailto:info@swifix.co.uk)





# Bluerun Ltd once again achieves excellence in the workplace

In this issue of Building Update, we are proud to announce that we have selected Bluerun Ltd as the recipient of our Commitment to Excellence award.

Upon reopening its doors in May 2020 after the COVID-19 pandemic, Bluerun Ltd has gone from strength to strength with its trusted brand now being known as one of the best in the joinery industry that has recently attracted big name brands turned clients, Starbucks and Waitrose.

2022 was a great year for the company in terms of revenue and new business. It has managed to maintain a strong conversion rate despite the current economic crisis and has found that enquiries for larger jobs as opposed to 'single window' types of jobs has been more popular especially from domestic clients which mimics that of its regular commercial clients.

Based in Wimbish, near Saffron Walden in Essex, Bluerun

manufactures quality, bespoke joinery items and everything is made to order, nothing is 'off the shelf.' Dee commented, "We manufacture items for the commercial market from door and window packers, to shopfronts, reception desks, mainframes, pub doors, and years ago we even made a trebuchet for Stansted Mountfitchet castle!"

Of course, the company has the capabilities to manufacture most things from timber, hardwood, softwood, panels and

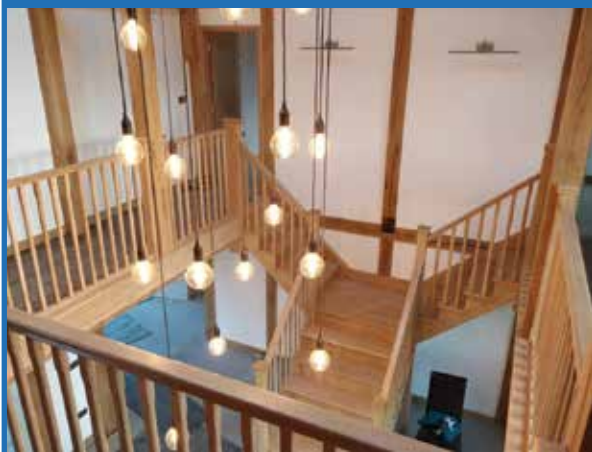


sheet material. Some common items Bluerun Ltd manufacture for the domestic building market include windows, doors (exterior and interior), bi-folding doors, staircases, bespoke storage units and wardrobes, all of which come with the option of being sprayed in primer or to a finish.

If you're looking for items made from both hard and softwood or even veneered and painted panels, Bluerun can reproduce an array of items including replacement sashes, where it can manufacture a brand new one on a



## QUALITY, CUSTOM MADE JOINERY



**Bluerun Ltd have been manufacturing top quality, purpose made joinery for the domestic and commercial markets for over 30 years.**

**Contact us to discuss your requirements.**



Dee Newman, Finance Director at Bluerun Ltd presented the Commitment to Excellence Award

like for like basis, so the mouldings will match. "Similarly, if a domestic client has found an image of a door, for example, that they would like us to reproduce, we can usually do that. Recently we have started using a glass supplier that can supply us with stained glass effect units, complete with leading that has been aged and soldered, which looks absolutely breath-taking," added Dee.

Bluerun only produce purpose made joinery to client's drawings and specifications. Its unrivalled level of customer services means that free quotations are normally provided within 2-3 days or less, and the company can usually deliver a quick turnaround of any manufactured items required. And, because it has an experienced spray operative in charge of a modern spray paint and lacquer facility, articles can leave the factory in a fully finished state, ready for installation on site.

What really sets Bluerun apart is that since its establishment it has never used computer aided machinery for any designs. Crafted to perfection, all items are finished by hand, drawings are prepared with pencil and paper, and everything that is manufactured by the team has been done so with the utmost attention to detail. It also has the ability to obtain colour matches of any paint colours for clients that would prefer something sprayed to a finish.

Apart from needing the item to fit out its workshop doors upon completion, there is no limit to any project that Bluerun will endeavour to take on. Inspired by a challenge, Bluerun will do its utmost to cater to all enquiries.

**T 01799 599995**  
**dee@bluerunltd.co.uk**  
**www.bluerunltd.co.uk**



Please visit our website: **www.bluerunltd.co.uk**  
Tel: **01799 599995** | Email: **dee@bluerunltd.co.uk**  
**f bluerunltd @ bluerun\_joinery**



## High quality, high capacity mowing systems

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

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

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

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



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

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

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



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

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

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

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

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

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

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

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

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

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

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

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

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







**Eco Clipper FM4 Sport**  
for sporting grounds  
[www.ecoclipper.com](http://www.ecoclipper.com)





# Expert architectural metalwork for high-profile heritage buildings

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

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

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

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

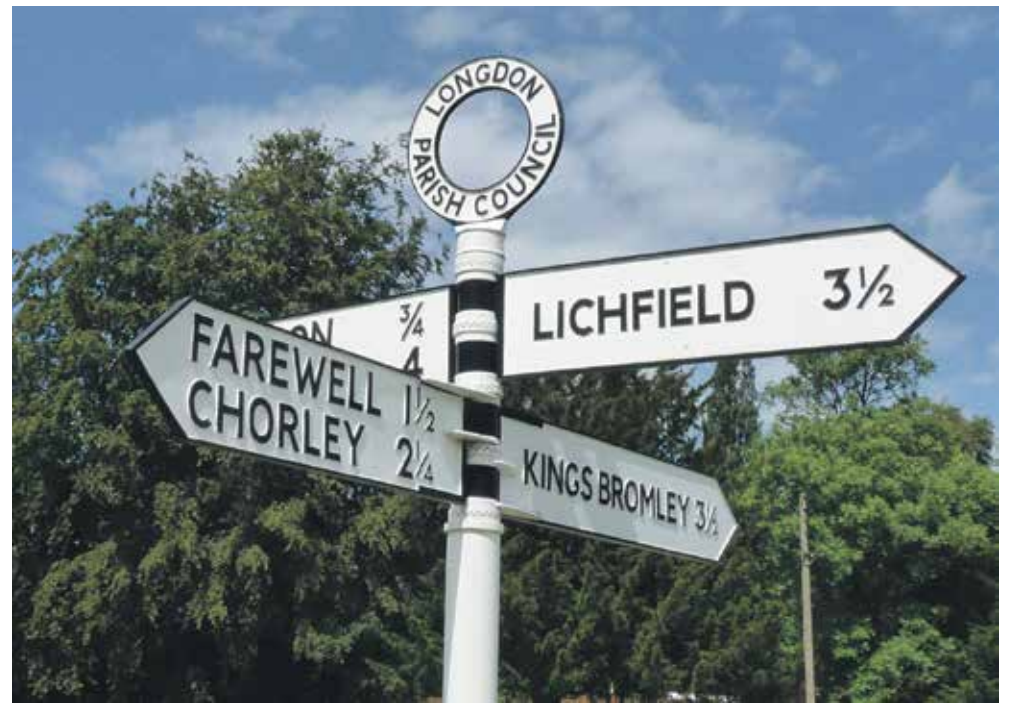
The team at Leander take such artistic pride in their work: utilising both modern techniques like waterjet cutting and computerised graphics, combined with more traditional skills such as clay hand-carving, resulting in a truly unique architectural metalwork portfolio. Many customers

are repeat customers, trusting the highly skilled professional approach and end results.

Recent prestigious projects included designing new cast iron



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



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

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

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

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

**To find out more, please see the details below:**  
**T 01298 814941**  
**sales@leanderuk.com**  
**www.leanderuk.com**

## BESPOKE STRUCTURES, COLUMNS & CASTINGS ARE A SPECIALITY!



### TOP QUALITY & EXCEPTIONAL SERVICE FOR OVER 140 YEARS...

Manufacturers and designers of high quality fingerpost signs, bandstands/gazebos (restoration & new), canopies, balconies, signage, plaques, street furniture and much more. Our restoration consultancy is regularly used by local authorities and other bodies looking for advice and assistance – particularly with bandstands, railings and park features.

- Bandstands, Balconies, Verandas, Canopies etc.
- Bronze & Aluminium Plaques
- Wayfinding Solutions
- Restoration Work
- Architectural Castings
- Custom Columns & Spandrels
- Blacksmithing & Fabrication Services

**01298 814941 • sales@leanderuk.com**

Please visit **www.leanderuk.com**



Manufacturers of  
Fine Structures and  
Signage Solutions





# Environmentally friendly plastic lumber

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

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

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



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

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



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

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

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



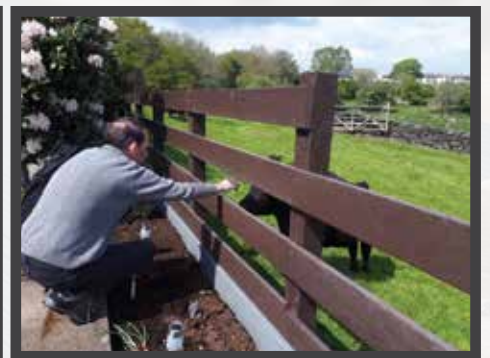
a day 5 days a week which will double our production time, and to support this we are recruiting more extruder operators. In the future, we plan to build a network of resellers around the UK, as the current cost of transport is at an all-time high so we are looking at ways around this for better business practice and to allow for an eco-friendlier way of working."

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

**For more information, please see below:**  
**T 01282 861325**  
**www.kedel.co.uk**



## The Zero Maintenance Alternative to Wood



### Recycled Plastic

- 100% recycled and recyclable
- Impervious to fungi, algae, insects
- Never rots, splinters or cracks
- Graffiti resistant
- UV Protected
- Eco-friendly and low carbon
- 100% maintenance free
- Lasts a lifetime



**sales@kedel.co.uk | www.kedel.co.uk | 01282 861325**







Paperless defect reporting  
and fleet maintenance  
**all for £1 per vehicle, per week**



**Driver's app**  
for easy checks



**Fleet portal**  
for full reporting



**GPS tags**  
for locations



**DVSA-compliant**  
for efficiency

Ask us about our new **License Check** service



watch our video

Try free for 30 days  
**checkedsafe.com**



Fleet Innovation  
of the Year 2022



Innovative Business  
of the Year 2022



Transport Supplier  
of the Year 2019



**FUEL LEVEL - SUFFICIENT TO DRIVE TO GARAGE/IC**

Yes

Dashboard any warning lights Pass ☐

Wipers / Washers Pass ☐

Visual Check of Mirrors and Glass Pass ☐

Visual check of Tyres, condition wheel nuts

Lights/indicators lenses clean and bulbs Pass ☐

Check Brakes ABS/EBS Pass ☐

Check excessive exhaust Smoke Pass ☐

**Compliant**

checkedsafe.com



## Consulting & Development

# Deliver your development programs with ease

Over the last 30 years, Martin Hawthorne, Bright Ideas Owner, has helped hundreds of clients across the industry as a housing development professional. Whether you're looking for some high-quality advice, or industry-qualified expertise Bright Ideas can help you tackle any problem you may face in the world of development.

Bright Ideas see every development

requirement as an opportunity to deliver the perfect project for your needs. Its consultancy service provides you with expert advice on how to design, develop, build and manage your property, and opens the door to a number of industry experts and professionals who will ensure you're in safe hands, receiving only the best tailored advice. For this service, Bright Ideas will act as consultants to development and construction



companies, landowners, housing associations and councils to advise the best practice and the most useful ways to utilise all assets and resources, and how to acquire them.

Furthermore, Bright Ideas can also help with your development plans fulfilling an end-to-end service that consists of strategy, public sector and HCA issues, scheme risk analysis and appraisal, design, cost, and procurement.

up to date with how the construction of houses will look in the future. Think modular housing, electric vehicle charging, the use of photovoltaics, Bright Ideas already has plans in place to overcome these potential barriers with its Bright Ideas Energy that is designed to provide highly efficient and cost-effective green energy solutions for your development.

**For more information, please see below:**  
**T 07714 412689**  
**info@brightideasdevelopment.co.uk**  
**https://brightideasdevelopment.co.uk**

## Electrical Products

### Gromtec Europe: The SIMONBOX





**Simonbox IP66 Waterproof Floor Outlet**

Available from your electrical wholesaler

**Occasional Power Outlet ideal for concourse, garage showrooms, pop up display areas**



Available in two finishes



For more information  
[www.simonbox.co.uk](http://www.simonbox.co.uk) - 0203 2867949

**W**hy can you never find a power socket where you require one? The SIMONBOX is an IP66 rated (Weatherproof) single socket floor outlet, designed for installation in hard floor and patio areas, which have an occasional power requirement. When closed and not in use the unit achieves its IP66 rating. When open and in use, it is IP20 rated. The SIMONBOX is installed in a wide range for installations including Tennis and Football Stadiums, Airports, Car Showrooms, Department Stores and John & Janes back garden! No more trailing cables and trip hazards, the SIMONBOX delivers power to where it is required. Available in either a stainless steel or brass finish the top section is available in a range of socket options. There are 2 back box options for screed or raised floor installation, such as decking.

**Available through your local electrical wholesaler or online.**  
**For more information, please visit:**  
**[www.simonbox.co.uk](http://www.simonbox.co.uk) or call:**  
**0203 286 7949.**







## Restoration



**The Brickmaker's Tale**

by Peter Wilson  
Order your copy here 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, Suffolk CO10 7EF**  
**Tel: 01787 269232**  
**Fax: 01787 269040**  
**Email: [bbt@bulmerbrickandtile.co.uk](mailto:bbt@bulmerbrickandtile.co.uk)**





**CONSULTANCY FOR HOUSING DEVELOPMENTS**




Our consultancy service provides you with expert advice on how to design, develop, build and manage your property. Our collection of industry experts and professionals means you can ensure that you are always in safe hands and receive the best tailored advice.

**If you need advice or assistance for any housing development queries, don't hesitate to get in touch.**


**[www.brightideasdevelopment.co.uk](http://www.brightideasdevelopment.co.uk)**  
**Telephone 07714 412689**  
**Email [info@brightideasdevelopment.co.uk](mailto:info@brightideasdevelopment.co.uk)**



**The Bulmer Brick & Tile Co Ltd**



**T 01787 269232**  
**[bbt@bulmerbrickandtile.co.uk](mailto:bbt@bulmerbrickandtile.co.uk)**  
**Please visit: [www.bulmerbrickandtile.co.uk](http://www.bulmerbrickandtile.co.uk)**





# Measure PDF and DWG drawings

QuickScale will measure areas, lines, heights, widths etc. easily and quickly.

Print the drawing to scale.

Print the drawing with your measurements in colour.

Do you print your drawings to measure them?

Do you use a scale rule?

No annual renewals.

One off payment.

Free updates and support.

**20% discount: Use code SP20**

**30 day free, no obligation trial on:**  
<https://www.quickscale.co/trial.html>

**Visit our website at:**  
<https://www.quickscale.co>

**To purchase:**  
<http://shop.anyscale.co>

**See video link here:**  
<https://youtu.be/S7jlqBOD4Wo>



## Measure PDF drawings

Take areas and measurements off PDF drawings quickly and easily.

Click on the points and corners of the areas and measurements and QuickScale will calculate the dimensions.

**No scale rule needed**  
**No IT knowledge needed**  
**Unlimited help and support**  
**Print the drawing to scale with the measurements**  
**Export dimensions to a spreadsheet**

For a free trial please click here: <https://www.quickscale.co/trial.html>

20% discount code: **SP20**

Visit YouTube to find out more: <https://youtu.be/S7jlqBOD4Wo>



**QUICKSCALE**  
MEASURING AND ESTIMATING MADE SIMPLE

Please contact **07791 550167**, email [sales@quickscale.co](mailto:sales@quickscale.co) or visit [www.quickscale.co](http://www.quickscale.co)

## Industrial Technology & Thermal Products

### Watlow reflects on 2022

2022 has lots to be remembered for, challenges and triumphs. But for electric heating element manufacturer Watlow, it's been highly significant year in the company's journey to date. Here Johann Lainer, Marketing Communications Manager Europe at Watlow, reflects on the company's achievements in 2022.

#### 100 years in the making

Halfway through 2022 marked Watlow's 100 year-anniversary. The company, which was founded in 1922 in Missouri, USA, is now a global electric heating specialist with over 1,000 patents and 4,200 employees working across locations in North America, Asia and Europe.

Watlow began manufacturing electric heating elements for the shoe industry, before widening its product offering in the 1930s to introduce electric immersion heaters to replace steam pipes and fire-hazardous gas. Then, in the 1980s, Watlow expanded its global reach with the opening of sales offices in Italy, France, the UK and Taiwan.

Since its founding in 1922, the company has developed into a highly



regarded industrial heating technology manufacturer, holding more than 1,000 patents and employing over 4,000 people working in nine manufacturing facilities and five technology centres across three continents.

Additionally, Watlow gains sales coverage in 178 countries and, most recently, opened a facility in Cebu, Philippines in October 2022 to support local customers focusing on energy and environmental technologies.

#### Eurotherm acquisition

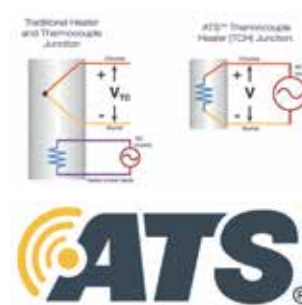
In June 2022, Watlow announced it had signed an agreement to acquire Eurotherm® from Schneider Electric, the global leader in the digital transformation of energy management and automation.

Eurotherm is a premier global provider of temperature, power and process control, measurement and data management equipment, systems, software and services for global industrial markets. The company's headquarters are in Worthing, UK, with core manufacturing operations in Łódź, Poland, and a headcount of about 650 people worldwide.

[www.watlow.com](http://www.watlow.com)

### The new alternatives in power conversion

Power conversion is familiar in most consumer and industrial technologies, which typically use AC adapters to convert to DC and supply the required voltage. However, while the method of conversion allows a heater to



operate at a given set temperature, it receives the full voltage when turned on, which can cause damage over time in some cases. Other solutions, such as phase-angle controllers and DC power supplies also have their own setbacks, making power conversion a tough task. In this article, Stan Breitlow, chief system designer at industrial temperature controller manufacturer Watlow, discusses the new alternative in power conversion.

#### The necessity of power conversion

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

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

#### The problem with power conversion

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

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

#### New power conversion technology

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

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

For further information, please contact Johann Lainer, T +43 6244 201290 [jlainer@watlow.com](mailto:jlainer@watlow.com) [www.watlow.com](http://www.watlow.com)



**PM PLUS™**

## Intuitive Temperature Controller Enhances the User Experience

- Intuitive menu flow
- Bluetooth® connectivity with EZ-LINK™ mobile app for remote access capability
- Load exactly the right settings every time
- Supply updated settings to customers quickly and accurately
- Access settings in hard to reach controllers

Powered by Possibility

Improved User Interface



Contact your local Watlow representative or visit [www.watlow.com](http://www.watlow.com) to find out more



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

Originally published in Modern Machine Shop

Photos: UNISIG



**F**or 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.

**Please visit us at EMO 2023, Hannover from 18th-23rd September. Further information on all machines of the UNI series and the complete UNISIG machine program is available at: [www.unisig.com](http://www.unisig.com) or follow the company on LinkedIn and Twitter (@UNISIG).**





See us at



## UNISIG

is the leading producer of gundrilling and BTA deep hole drilling machines

Our industry-leading customers around the world rely on UNISIG® deep hole drilling technologies for powerful, intuitive capabilities. We engineer our machines to handle a complete range of applications, and support them with our high level of expertise and service.

### Standard Gundrilling Machines: Job Shops & Production Drilling



### Production Deep Hole Drilling and Automation: Modular Machines for Production Drilling



For more information, please visit our website: [www.unisig.com](http://www.unisig.com)

## Machines • Tools • Automation

UNISIG machines, engineered and manufactured in the USA





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

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

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

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

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

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

## Masters in diversification

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

## Rethink everything: a positive evolution in consumer purchasing behaviour

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

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

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

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

have achieved the 'SDG Champion award.'

**Contact**  
T +32 56 43 33 00  
[www.vandecasteele.be](http://www.vandecasteele.be)

**RE: THINK WOOD**

**Nature's first choice**

- View and order stock on MY VDC
- Prompt delivery
- 2025 – our aim is to trade in Certified timber only from 2025 onwards

**VANDECASTEELE**  
HOUTIMPORT

**Contact**  
Bergstraat 25  
8511 Aalbeke  
Belgium  
[vandecasteele.be](http://vandecasteele.be)

[genevieve@vandecasteele.be](mailto:genevieve@vandecasteele.be)  
+32 56 43 33 00  
[dave@vandecasteele.be](mailto:dave@vandecasteele.be)  
+44 15 94 83 43 32







**VANDECASTEELE**  
HOUTIMPORT

# Discover our world of timber



**Nature's  
first choice**



Ask for your personal  
login to our online portal



Prompt delivery



More than 50  
decking species

**Endless possibilities for  
decking and cladding**

**Contact**  
Bergstraat 25  
8511 Aalbeke  
België  
vandecasteele.be

dave@vandecasteele.be  
+44 15 94 83 43 32  
genevieve@vandecasteele.be  
+32 56 43 33 00



## Taking you up in the world

In this issue of Industrial Solutions, we are proud to announce Direct Hoist as our Construction Hoist Company of Choice.

Direct Hoist has scaled new heights with the addition of a bespoke training centre at its Lincolnshire site: offering NVQ Level 2 courses in hoist installation. Today, Direct Hoist has four locations and a recent, additional 30m unit premises to accommodate the new in-house training centre.

Specialising in GEDA Hoists, which have lifting capacities from 200kg to 3,500kg, the new classroom facility is used to teach candidates the theory and practical elements of

assembly and disassembly of various lifts that include the use of the GEDA 300, 500 and 2,000 units.

The training courses cover up-to-date industry working practices, legal requirements and working equipment knowledge. The on-site facility includes a 10m training tower, with capacity for transporting a two-tonne platform hoist to full height, with expert tutors offering hands-on optimal safety training.

The more experienced industry students are offered a two-day specialist training course in theory and practical assembly and disassembly of various lifts, with a further week-long course available for deeper understanding of

erecting and dismantling hoists. Students are examined by an external assessor at the end of the course and will receive an industrially-recognised certificate, if successful.

Direct Hoist's recent expansion into training is testament to its industrious, hardworking team, who always go the extra mile. As a committed living wage employer, Direct Hoist sees its workers as the backbone of the company. But it's not only salaries that are supported, Direct Hoist recently trained some of its staff as Mental Health First Aiders, further signalling its commitment to the Workplace Mental Health Charter, through staff wellbeing.

All new trainees are placed on NVQ courses, rigorous



health & safety training and further manufacturer courses. More senior staff hold the NVQ level 3 qualifications, which is viewed similarly to the CSCS gold card on construction sites, and as Rob explains, there are many things to learn, "It's surprising how much there is to learn for hoist installation, even for experienced construction workers and managers. We need to know load calculations, equipment specifications, whether there are any voids below grounds or obstructions (such as telephone lines) above."

"Right from the start, new trainees will learn about the specialised nature of construction hoists – including product types, electrical systems, fault-finding, assembly, disassembly and reconfiguration into alternative layouts."

Direct Hoist is always investing in the latest state-of-the-art equipment, such as the German GEDA hoists, which are industry-leading, as Rob outlines, "Our most popular units are the 300 Z goods hoist (ideal for barrows, boards and roofing equipment) and the 500 Z/ZP transport platform, which can be used as an 850kg goods-only hoist or up to 500kg for personnel. It's a great, versatile hoist; it can be left or right-handed and has the facility to move around the loading/unloading ramp."

There are more training programmes planned for the future such as: electrical safety and working at heights. Direct Hoist can help companies scale the heights and take you in the world.

In other recent news, Direct Hoist has also become the UK distributor of Electroelsa an Italian manufacturer of mast-climbing work platforms (MCWPs), transport platforms, material hoists and construction hoists. Rob Wilson commented, "We're currently adapting the entire Electroelsa range for the rigours of the rental market, where we're enhancing components for longevity during intense usage – it's vital to minimise downtime on-site, while maintaining efficiency, cost and ease of use."

**For more information, contact the team today:**  
T 01724 781647  
info@directhoist.co.uk  
www.directhoist.co.uk

**APPROVED GEDA AGENT**

**HOIST HIRE**

**CONSTRUCTION HOIST SALES**

**HOIST SERVICE/REPAIR**

**HOIST PARTS/SPARES**

**GEDA SERVICE CONTRACTS**

# DIRECT HOIST

**SUPPLIER OF HOISTS TO CONSTRUCTION & INDUSTRY**

01724 781647 0113 819 9997 0191 260 0543 [DIRECTHOIST.CO.UK](http://DIRECTHOIST.CO.UK)

## Instrumentation Valves

### Oliver Hydcovalves supports Hydrogen production



Oliver Hydcovalves is excited to be supplying a large number of its PN16 flanged single isolate ball valves to Hydrogen production projects in the North of England.

The advancement of hydrogen technology presents an exciting solution to the world's future energy needs, and the reliance on safe and reliable ancillary products such as valves to facilitate the transition is as critical now than ever before. This is where Oliver Hydcovalves is leading the charge. Energy industries and OEMs are investing heavily in hydrogen applications, and it will require more large-scale production and storage facilities to help meet the growing appetite for hydrogen, and make it an efficient and affordable fuel source for industrial and domestic use. The production of hydrogen is achieved through methods such as steam reforming, gasification, or electrolysis. These methods separate the elements into various compounds, producing the usable H<sub>2</sub> molecules.

**For more information on how Oliver Hydcovalves can supply your hydrogen production with the very best valve solutions, contact them on: +44 (0)1565 632636, email: sales@valves.co.uk or visit: www.valves.co.uk**

Make Your Hydrogen Transportation Valve an Oliver.

# 102,000 REASONS WHY.

**Valves for Hydrogen Refuelling & Transportation Have Been Extensively Tested at 102,000 Operative Cycles!**

Valves are available with 10mm, 14mm or 20mm full bore, 350 or 690 Bar working pressures. Fugitive emissions class BH results in **class leading performance**.

**Contact us for more information**  
**+44 (0)1565 632636** or [sales@valves.co.uk](mailto:sales@valves.co.uk)

H<sub>2</sub>

Hydrogen Ready

Oliver Valves Ltd England, United Kingdom

[www.valves.co.uk](http://www.valves.co.uk)



# Unrivalled professional expertise: Wakefield's expert-chartered surveyor



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

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

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



and Cornwall, which takes a little longer.

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

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

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

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



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

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

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

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



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

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

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

**For further information, please see the details below:**  
**T 01924 255666**  
**M 07483 164372**  
**fennellgreenandbates@gmail.com**  
**www.charteredurveyorswakefield.co.uk**



**Fennell Green & Bates Chartered Surveyors is a 150 years old practice based in Wakefield. At FGB, we specialise in building condition surveys, house structural surveys, project management, town & country planning, coal mining risk assessments, site investigation and remediation of brownfield land.**

Fennell Green and Bates have been involved in over 1740 projects over the past 22 years dealing with contaminated land, ground stability issues, phase 1 contaminated desk top studies, phase 2 site investigation projects, coal mining risk assessments and soil sampling for housing, commercial and industrial developments in north of England and the Midlands. Our practice also acts as mineral advisors to several building materials companies and that work has taken our surveyors all over the UK and to Ireland, Europe, Russia, South Africa and Australia to work on a wide range of projects.

At present, we are managing the remediation of a glass works tip on behalf of a client for the site to be used as housing after the materials on site have been processed and re-engineered on site for the development platform. We have recently completed the verification of the works for a medium sized housing development in Yorkshire in a former quarry that has been backfilled with engineered fill from site.

Our team is experienced in all types of site engineering and soil management that includes materials testing that can save costs due to the re-use of these soils and a reduction in muck away.



**Fennell Green & Bates**  
Old Joiner's Shop, 59 Oakenshaw Lane  
Walton, Wakefield, West Yorkshire WF2 6NJ

**Tel:** 01924 255666  
**Mob:** 07483 164372  
**Email:** fennellgreenandbates@gmail.com  
**Website:** www.charteredurveyorswakefield.co.uk





Correlator and acoustic water leak detector combined

## SeCorrPhon AC 200

professional  
flexible  
intelligent



- Easy and reliable operator guidance through applications
- Integrated audio player to compare leak noises directly on site
- Unproblematic measurement of various pipe sections, pipe materials, diameters and pipe lengths
- Sophisticated firmware allows the user an almost automated measuring process



Phone +49 5241 934-0 | Fax +49 5241 934-444 | [www.sewerin.com](http://www.sewerin.com) | [info@sewerin.com](mailto:info@sewerin.com)



# Over 25 years of engineering excellence

GLW Engineering was first established in 1992 as Joe Bloggs Engineering by Geoff White and his business partner. After they parted ways, Geoff and his wife continued running the business, which became known as GLW Engineering in 1997. Previously based in Wisbech for 14 years, they are currently based in March, East Anglia, where they have now resided for six years. The company prides itself on being a construction industry specialist, celebrating over 25 years of business and extensive engineering experience and expertise.

Operating in an extensive range of areas, GLW Engineering can provide staircases, handrails, platform, structural steelwork, shot blasting, sand blasting, and soda blasting, with the recent addition of powder coating to their comprehensive array of services; they are now able to powder coat aluminium, mild steel, galvanised steel, and stainless steel. What's more, GLW Engineering can consult with their clients regarding bespoke requirements, creating one off solutions which are tailored to a customer's needs.

"Our clients range from single self-builders, larger companies, and contractors," said Geoff White, Managing Director. "We are a well-established company, and I am delighted to say we offer flexibility, time efficiency and the ability to provide competitive prices that are suitable for all clients. We are also proud to say that we have completed many projects and have gained a trustworthy reputation with all of our previous clients and



customers. Some of these previous projects include metal railings, canopies, steel staircases, a bicycle park, silos and bins, steel gates, grilles, trolleys, benches, steel building framework, handrails, and balustrades, all of which can be accessed on the portfolio section of our website. We offer custom build steel fabrications, and offer a fantastic design service working to clients' specifications.

"Customer service is at the heart of the company," said Geoff, "Which is why we offer many bespoke products and services. We are proud to say that we use 3D CAD design facilities and have experts in all areas of our work. GLW Engineering specialises in custom build objects in mild steel, aluminium and stainless steel, which are built to an excellent and very high standard in our modernised workshop area. The company has many years of experience in the design, manufacture and installation of fabrications, and our staff are trained to the core in their specialised sectors, as well as giving friendly, efficient and professional services to all clients."

One of the company's most highly sought after services is shot blasting, which prepares steel work for a protective coating to be applied. "It is



best described as preparing the surface of a part for coating by removing surface contaminants, which creates a surface profile for increased coating adhesion," explained Geoff.

Their soda blasting technology is suitable for cleaning timber, wood, oak beams, oak floors, doors, stairs and bannisters, cars, boat hulls, masonry, food processing equipment, and structural steel. It will efficiently remove and clean multi-layered surfaces right down to the base, eliminating the need for toxic chemicals, scraping, sanding, or abrasive blasting. Soda blasting is safe to use on metal, fibreglass, glass, chrome, rubber, and trim, and can



degrease and remove paint without damaging or distorting metal.

We had the pleasure of speaking to Geoff about what makes GLW Engineering stand out from the competition. "We are a family-run business, offering quality as well as quantity. We are always proud of what we do and have a passion to continue doing it well into the future. Our main goal is to maintain our high quality services and to strive for longevity.

"A key advantage of GLW Engineering is the fact that we don't specialise in one thing, meaning we are always busy. We can offer engineering excellence in a large range of areas while consistently focusing on quality and a passion for what we do. In our eyes, the customer always has to come first, and so our service is second to none."

Certainly, it seems that the only way is up for GLW Engineering. After moving to new workshops six years ago to accommodate their growing trade, the company is now running out of space and looking to expand again due to an ever-increasing customer base. If you would like to find out more information on GLW Engineering's full range of services, head to their website where free quotes are available upon request. Alternatively, you can contact the company using the details below.

**Contact**  
**T +44 (0)1945 464637**  
**info@glwengineering.co.uk**  
**www.glwengineering.co.uk**

## Whats On



**UP COMING ANTIQUE & COLLECTABLE FAIRS IN CORNWALL 2023**

**NEXT FAIR**  
**LOSTWITHIEL**  
**2ND SUNDAY EVERY MONTH**

**NEXT**  
**PENSILVA**  
**LAST SUNDAY IN THE MONTH (NO AUGUST)**

**NEXT**  
**ROYAL CORNWALL SHOWGROUND**  
**WADEBRIDGE PL27 7JE**  
**AUGUST BANK HOLIDAY WEEKEND**  
**SATURDAY & SUNDAY**



**07887 753956 | 01208 368182**  
**www.antiquefairscornwall.co.uk**



# Leading provider of accredited online NEBOSH and IOSH courses

**D**o you want to hone your skills in health and safety? Do you need to gain accredited certification in health and safety? If this sounds like you and you are looking for a reputable, flexible and indeed, reliable course provider for health and safety training, then look no further.

Wise Global Training is an award-winning, global provider of accredited health and safety training. Specialising in online NEBOSH and IOSH courses, the company caters for individuals all the way up to global organisations such as UNIDO and multi-national companies such as Smith and Nephew.

"We are a small family run company that offers a personalised service," said Dave Newgass, Managing Director. "When you contact us, you are more than just a number. We take pride in top notch customer service and realise that everybody is different and has different goals, so we try to cater to that. Safety isn't expensive – it's priceless."

At Wise Global Training, the company understands the struggles and frustration it contains when searching for an online health

and safety course which fits your needs. Ensuring that the course can work to your schedule, budget and needs is of the utmost importance. With this in mind, Wise Global Training strives to eradicate the associated stress for searching for online health and safety courses, by providing a whole host of benefits with varied courses to suit the individual's needs.

With a wide range of accredited NEBOSH and IOSH courses, Wise Global Training offers essential training including:

- IOSH Managing Safely
- IOSH Working Safely
- NEBOSH National General Certificate
- NEBOSH International General Certificate
- NEBOSH International Technical Certificate in Oil and Gas Operational Safety

This is in addition to other ROSPA and IIRSM



accredited short courses which are just a few hours in length, which can help to upskill your staff.

All of the training courses at Wise Global Training were written by trainers, with learners need's in mind. This emphasis had been a proven success for the company and 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. This is in addition to full tutor support which is guaranteed at no additional cost and its flexible approach allows and encourages users to study at their own pace. The courses are easy to access, and Wise Global Training also boasts an impressive 100% Pass rate on IOSH Courses, plus the added customer benefit of flexible payment plans available for all of its courses.

At the heart of its operation, Wise Global Training puts the individuals needs first and strives to provide full support and assistance to help users pass their health and safety course. Through this commitment to its clients, Wise Global Training has hundreds of satisfied clients that they deem as part of the Wise Global Training community. Feedback and testimonials have stated their appreciation at the extra help and excellent course material that Wise Global Training provides to help them gain their qualification.

Thanks to over 10 years of excellence in the industry, Wise Global Training has gained a renowned reputation for its health and safety training courses, positioning the company as a key player in the industry, well-known for its high quality courses, support and service.

Wise Global Training has been recognised over the last couple of years with a number of awards that the company has achieved, including: UK Enterprise Awards - Best Occupational Safety eLearning Training Provider 2020; Global Business Awards – Best Health & Safety Training Provider 2020 - North East England; Corporate



Vision Education and Training Awards - Leading Provider of eLearning Training Courses – Yorkshire; Corporate Live Wire 2019 Global Awards - Health & Safety Training Providers of the Year; and CV HR & Training Awards 2018 - Best Health & Safety eLearning Specialists – UK.

With these prestigious achievements under its belt, Wise Global Training is consistently developing and is looking to expand its global reach with new offices in South Africa and the UAE. "We are now in negotiation with some international companies to help facilitate new synergies to increase global awareness of the company and our partners."

For more information on the company or to view its full range of courses, head to the website or get in touch using the details featured below.

**Contact**  
**T 01482 211989**  
**Dave.newgass@wiseglobaltraining.com**  
**www.wiseglobaltraining.com**



## 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
- ✓ NEBOSH National General Certificate Online Course
- ✓ ROSPA, IIRSM, CPD accredited Short Online Courses

**Contact us today and we'll help you save time and money!**  
*Corporate discounts are available.*

01482 211989    wiseglobaltraining.com    info@wiseglobaltraining.com

**New NEBOSH National General Certificate**

## Protect your workers, protect your profits

Find out more about our NEBOSH General Certificate courses







# ‘The Health Professional in Court’: 10 principles for practice

**F**or this month’s feature article, we interviewed someone who is acknowledged as one of the world’s top surgical coaches and an international authority in medico legal issues.

**Mr Rodney Peyton, OBE MD is a Trauma Surgeon who has the unique distinction of holding Fellowships in all four Royal Colleges of Surgeons in the UK and Ireland as well as being a Fellow of the Royal College of Physicians in London. He holds a master’s degree in medical education from Cardiff University and graduated in law from the College of Law in London.**

**In his career spanning 40 years, he has been engaged in over 70,000 personal injury cases as well as being asked to advise on more than 3,000 cases involving medical malpractice.**

**He therefore has a wealth of experience in preparing cases for and giving expert testimony in Court and has been involved in the training of doctors and lawyers in dealing with medico legal cases, individually on a face-to-face basis, and also as a trainer and keynote speaker.**

**In this article, he will cover his 10 top strategies to help health professional’s deal with the Court process.**

**He is also a well-known author and international keynote speaker. For his availability to speak at your corporate events, contact him at: rpeyton@rpeyton.com.**

Increasingly, senior professionals from all branches of the healthcare industry are finding themselves involved in the Court system, either on an involuntary basis, as a witness to fact or defendant, or on a voluntary basis as an expert witness.

Gone is the paternalism of ‘the professional knows best’ and there has been more and more scrutiny by the public of professional actions and attitudes.

Leaving aside the criminal law, which is an entirely different situation, civil legal cases are predicated on the fact that within every profession, or branch of profession, there exists a range of opinions as to what constitutes good practice. Defendants and expert witnesses are expected to provide opinions, witnesses to fact are not.

It is important to understand that, while judges are highly trained and experienced in the interpretation of the law, they and the barristers or trial lawyers who argue cases are nevertheless lay people when it comes to the healthcare professions. They are not medical experts and therefore require help in understanding the medical evidence before them. For the health professional, whether as defendant or expert witness, the duty is to assist the Court in their decision-making whilst at the same time maintaining and promoting their own professional integrity and reputation.

Most healthcare professionals rarely appear in Court. From personal experience as a teacher and trainer to those who do become involved, there are recurrent themes, which arise and so the following 10 principles have been developed to help guide professionals through the Court process.

## Record keeping

Keep detailed contemporaneous records.

Any major findings or decisions, whether it be from working with a patient, a client or undertaking a project, should be on record, as one never knows when such



events may become the object of scrutiny. There is an old saying, ‘if it is not written down, it did not happen’ and oral evidence is likely to be regarded as weak and suspect unless there is written evidence to back it up. A little extra time spent in ensuring accurate, contemporaneous recording may save considerable time, effort and indeed stress at a later stage when trying to convince a Court that decision making was sound. Remember, all written communications are discoverable and may be used in Court proceedings. Therefore, it is important not to make any gratuitous comments within the written record.

When acting as an expert witness, always look for original, contemporaneous documentation to back up later oral recall of events. Stick to the facts as presented and derive opinions from them.

## Producing a report

Reports should be timely, factually based and the opinions well-reasoned, taking full account of appropriate legal tests.

When producing a report, clarify whether you are acting as a professional or as an expert and keep the distinction between the two. As a defendant, you will be required to explain your position. It is important you outline any reasonable range of opinion, which informed your decision-making and actions, stating why your own should be preferred, ‘defence being the best form of attack.’

Being a witness to fact is a requirement rather than a choice. If you have been directly involved, provide evidence under clinical findings, observations and actions. Limit evidence to that which has been recorded and remember not to venture opinions or speculate on events.

An expert witness’s function is to help the Court by virtue of their knowledge, training and experience within their professional field of expertise. Reports must not intentionally mislead and any omission of relevant information reveals prejudice, whether acting as a professional or an expert witness. All opinions proffered must be logical, based on recognised clinical evidence and guidelines to include the appropriate standard of care, being clear what was relevant at the time of the incident. Always anticipate counter arguments, addressing them within the body of the report wherever possible and be alert to the potential for your own professional bias. Expert witness reports must be and must be seen to be independent.

Do not revise your report unless you have been subsequently provided with new facts, which need to be taken into account, at which time you must explain why these have made a material difference to the previous conclusions.

## Attendance at Court

Always present as professional and credible.

First impressions count. This includes dressing appropriately for the Court and ensuring you have all your papers with you, particularly when actually giving evidence.

Make sure you take time to prepare thoroughly, highlighting any relevant areas in your report and those of others for ease of reference. Make sure you have taken time to think out potential questions or possible arguments which may be raised and

know your reasoning behind everything you are going to present.

## Court procedure

Be aware of the Court procedure in whichever jurisdiction you attend, while you may be senior in your branch of the health care profession, unless you are highly experienced in Court practice, you are relatively junior in relation to the Court process. This is particularly pertinent for witnesses to fact who may be unfamiliar with legal proceedings.

An expert is engaged because of expertise in a particular subject and must, not only keep up to date in their own field, but also be cognisant of the requirements of the Court process. They are there to represent their point of view and assist the legal process.

It is important they do not come across as overbearing, as they are, in fact, servant/leaders, tasked with educating the Court and therefore must understand what is required from the Court’s point of view.

Constantly strive to improve your presentation skills, for example by giving talks on medico legal issues, so that you are used to standing up and delivering legal points in relation to medical cases.

## Duty to the Court

Your professional duty as an expert or a witness to fact is always to the Court, no matter who engages you or why you have been called to attend.

This responsibility must be taken seriously. The role is to help litigants, their lawyers and the Court better understand the nature of medical evidence in individual cases so they can come to reasonable decisions. In this context, it is important they are helped to understand what acceptable practice was at the relevant time.

Health professionals do not have immunity when giving evidence. Not having this protection has unfortunately meant that some have been at the receiving end of severe public criticism, up to and including the award of costs against them and even a custodial sentence when the Judge considered that, by acts of omission or commission, the Court had been misled. This can have severe implications on personal, professional and financial standing.

## Range of opinion

Always acknowledge there may be a range of reasonably held opinions.

In this context also consider possibility vs probability ‘more likely than not.’ If a matter comes to Court, there is going to be an opposing view from another professional expert who does not fully, if at all, agree with your opinion. Therefore, it is important to cover counter arguments in your considered opinion, which adds to the credibility of the report. The report must contain logical reasoning for accepting or rejecting other opinions and include any references, which are to be relied upon.

Guard against emotional statements and hyperbole and never denigrate others. Very rarely is ‘in my experience’ relevant in Court unless it is thoroughly backed up by objective evidence.

## Credibility

Experts must stay within their field of expertise when giving opinions. They should have a bespoke CV for each case, indicating why they are a reliable expert for the matters at hand. It is in the nature of the Court process that opposing lawyers will try to diminish your credibility and it is wise to have answers for the three questions, which almost every barrister/trial lawyer will utilise at the beginning of an examination.

## These are:

**Do you know your duty to the Court, including your knowledge of relevant legal tests?**  
**Are you an expert on all points on which you are giving an opinion?**  
**Is there a range of opinion, which reasonable and respectable doctors may hold?**



Ensure you are clear on your answers before getting into the witness box. This is all about credibility and as far as possible stay away from arguing about legal, technical and ethical issues.

## Giving evidence

There are three types of oral examination for all types of witnesses, the evidence-in-chief, cross-examination and re-examination.

For Evidence-in-chief, your barrister or trial lawyer will lead you through your report and highlight any specific points relevant to the case. Cross-examination by opposing counsel looks at those points in detail, helping the Court assess credibility and ascertain whether there are in fact other opinions, which are equally valid. Do not get into an argument with the barrister or trial lawyer who is questioning you. Expect to be put under pressure during cross-examination but resist being provoked. Keep calm and answer to the bench. If you feel that your answers are being cut short unreasonably, ask the Judge if you may expand and follow their direction, always coming across as reasonable and professional. After answering the Judge or presiding officer then look back to the barrister or trial lawyer for the next question.

If you are given new information, which you did not have before then say so and, unless the answer is obvious, do not give a knee jerk reaction but ask for time to think it out. If it is not in your field say so and be careful of your own personal bias, again clearly separating fact and opinion. All your reasoning must stand up to logical scrutiny.

Re-examination is led by the instructing party to clarify issues, which have been raised during cross-examination. This phase is usually fairly short and rarely are any new matters raised.

## Keep it simple

Keep all your evidence as simple as possible.

Remember, although the Court consists of lay people, they have considerable expertise and experience in handling different kinds of evidence. Take time to explain the issues at hand in jargon free, transparent terms, the more so if it happens to be a jury trial. Speak slowly, follow the Judge and his/her speed of writing or typing as they will be keeping a record of the proceedings.

## Reflection

Reflect on the outcome.

After the verdict, as an expert do not take anything personally and learn what you need to learn. Similarly, as a witness to fact.

Think over what transpired and take time to reflect on what went well and what could you have possibly done better, or at least differently. As Stuart Emery states, ‘The path to mastery in any subject is to correct, not protect.’

Be open and honest with yourself and always seek to improve your practice as well as in the reporting and delivery of your evidence.

Once you have done so, move on. Civil Courts are not saying you are right or wrong in general terms, they are saying they prefer one set of evidence over another and it is only in the balance of probabilities.

## Conclusion

Whether as defendant, witness to fact or expert witness, the process in civil litigation is the same.

By gaining an understanding and some familiarity with the process, practitioners can develop both confidence and competence in their role of presenting evidence. As an expert, the more often you appear in Court the more competence you gain and therefore the more confident you become.

Healthcare professionals are required ethically and by their professional bodies to continually update their practice, knowing why they do what they do in the way they do it, ensuring practice is evidence-based. However expert you are, you must not become complacent in either your practice or in Court.

Finally, all witnesses must remain neutral, explain the range of opinions, and be aware of their own potential for selective bias in any evidence presented. Courts are reliant on credible, impartial and articulate healthcare professionals and presenting as such impacts greatly on personal, professional and financial standing.

## Contact

**T +44 (0)28 8772 4177**  
**F +44 (0)28 8772 7134**  
**info@rpeyton.com**  
**www.rpeyton.com**





# 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 3,000 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.

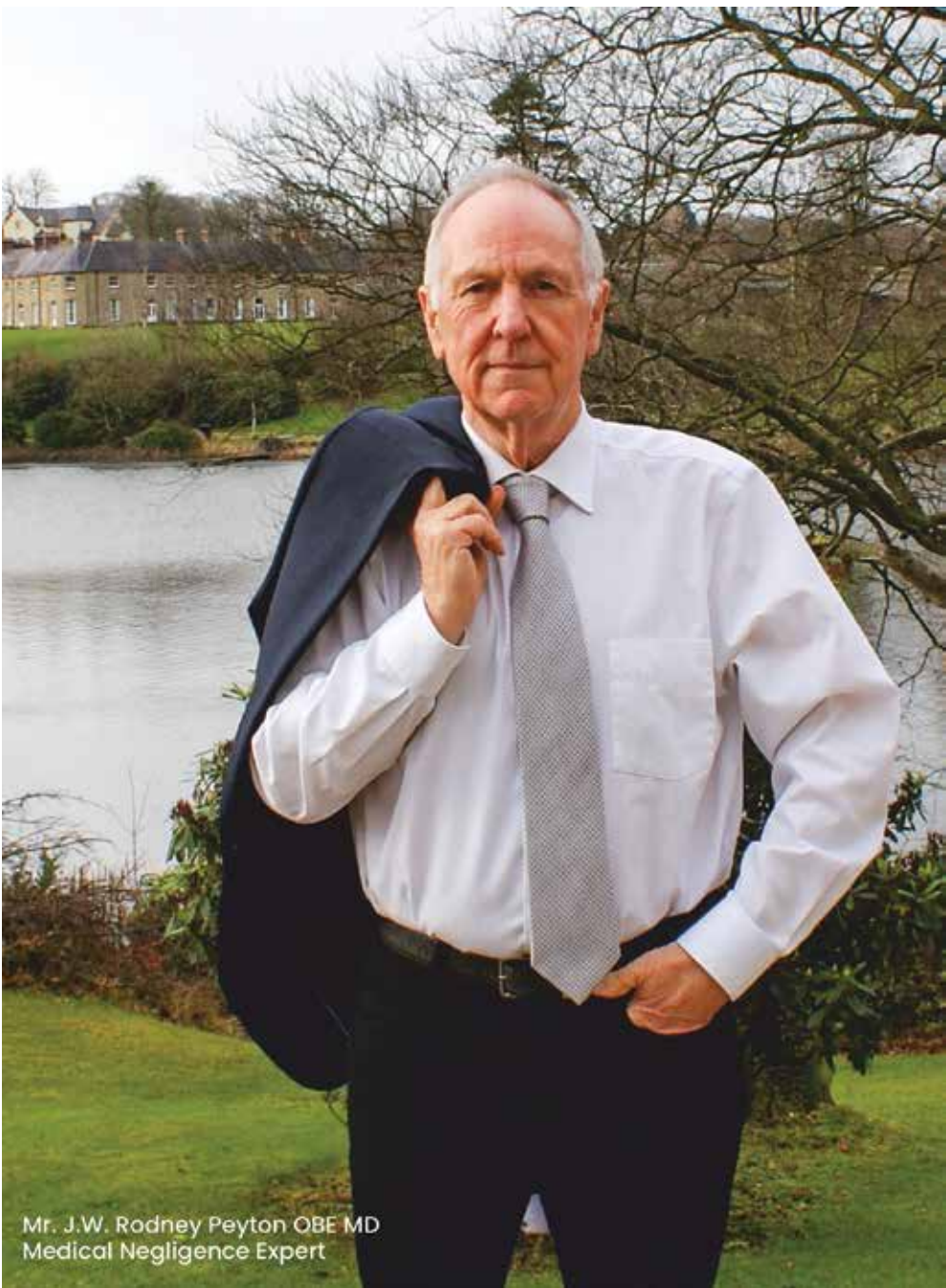
While the judges are highly trained and experienced in the interpretation of the law, they—alongside the barristers and trial lawyers—are not the experts when it comes to healthcare professions. They need help in understanding the medical evidence before them. Thus, the expert must assist the court in 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 subsequence 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](http://www.rpeyton.com) to schedule a complimentary consultation**





**Isolators by FASTER**  
are now available from  
**Biopharma Group**



## **5 beneficial features in FASTER Cyto Isolators**

- 1 GRADE A AIR QUALITY (UNI-DIRECTIONAL LAMINAR FLOW) AS PER EU-GMP GUIDE WITHIN THE ENTIRE WORK ZONE**
- 2 HIGH AIR-CHANGE RATE WITHIN THE WORK ZONE AND TRANSFER HATCHES FOR RAPID CLEAN UP OF CONTAMINATED AIR**
- 3 NEGATIVE OPERATING PRESSURE (-75 PA) WITH LAMINAR AIRFLOW AND ACTIVELY REGULATED BLOWERS**
- 4 AUTOMATIC PRESSURE DECAY (VIA OPTIONAL ATV VALVE) WITH RESULTS OF THE TEST STORED IN THE ISOLATOR BACK UP**
- 5 ABILITY TO SET AUDIO VISUAL ALARMS FOR MANY AIR RELATED ISSUES INCLUDING EXHAUST DUCT BLOCKAGE**



**Discover more, contact a specialist today**  
**[www.fasterair.co.uk](http://www.fasterair.co.uk)**





# EFFICIENT | SCALABLE | ROBUST

Biopharma Group Exclusively Offers

## PRODUCTION SCALE FREEZE DRYERS & PROCESSING LINE SOLUTIONS

by SP i-Dositecno

across the UK, Ireland and France

Our freeze drying solutions are used extensively  
in the field of tissue engineering, biomaterials,  
and wound management/collagen scaffold production

From small scale benchtop R&D to large throughput production,  
we have a freeze drying model that will meet your process needs  
and be perfect for ISO 13485 environments



CONTACT A PRODUCT SPECIALIST  
[www.biopharma.co.uk](http://www.biopharma.co.uk)



# The Home of Le Tonkinois Varnish UK

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

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

They demonstrate and sell these products on various shows throughout the UK and operate a first class mail order service.

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

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

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

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



polish applicator, polisher and grinds glass and nails.

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

**For any more information, please see the details below:**  
[www.letonkinoisvarnish.co.uk](http://www.letonkinoisvarnish.co.uk)

## LE TONKINOIS NATURAL OIL VARNISH

**Le Tonkinois is a traditional natural oil based varnish. It is perfect for outdoor, indoor or marine use. With Le Tonkinois varnish the options really are endless.**

Combining unrivalled long lasting protection on materials including wood, metal, cork, stone, teak, mdf and grp Le Tonkinois varnish leaves absolutely no brush marks and will restore the beauty and colour of the wood. Flexible enough to move with the timber and able to withstand abrasion and impact, Le Tonkinois varnish is resistant to boiling water, UV, petrol, diesel and sea water. It won't crack, chip or peel off, making it perfect for all outdoor purposes as well as indoor.

[www.letonkinoisvarnish.co.uk](http://www.letonkinoisvarnish.co.uk)  
01628 548840







# Tape Application Solutions for your Industry

With over 50 years of experience in tape application and converting, Enimac srl has over 150 clients in over 35 countries worldwide



**contact us**  
[www.enimac.it](http://www.enimac.it)  
[sales@enimac.it](mailto:sales@enimac.it)

Tape Applications Made Easy

**MADE IN ITALY**



# Leading the way in deep hole drilling

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

Photos: UNISIG

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.

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.

By offering a complete deep hole drilling solution that includes machines, tools and automation, customers will receive the upmost, highest quality service from engineers that hold extensive experience and expertise on deep hole drilling machines. Throughout the years, UNISIG's impressive drilling capabilities have propelled the company to the forefront of the



industry offering a service that goes completely unrivalled amongst competitors. Setting the standards of the industry high when it comes its technological advancements, UNISIG doesn't just manufacture deep hole drilling machines, it can also develop machines for other deep hole processes such as BTA, gun drilling, counterboring/reaming, pull boring, trepanning, skiving and roller burnishing, bottle boring, bottom forming and many more.

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

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

The larger swing B-Series machines have virtually limitless capabilities, giving manufacturers the most in power and dimension requirements. As part of the deep hole drilling system, this range combines rigid deep hole drilling with durable components and powerful drives with smart controls, allowing manufacturers to get the most out of their deep hole drilling investment.

It is evident that UNISIG is at the top of its game, manufacturing some of the highest-quality machines



in the deep hole drilling industry. With its team of dedicated experts all pulling together, the company is really showing how anything is possible when you work together to solve problems, not create them.

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

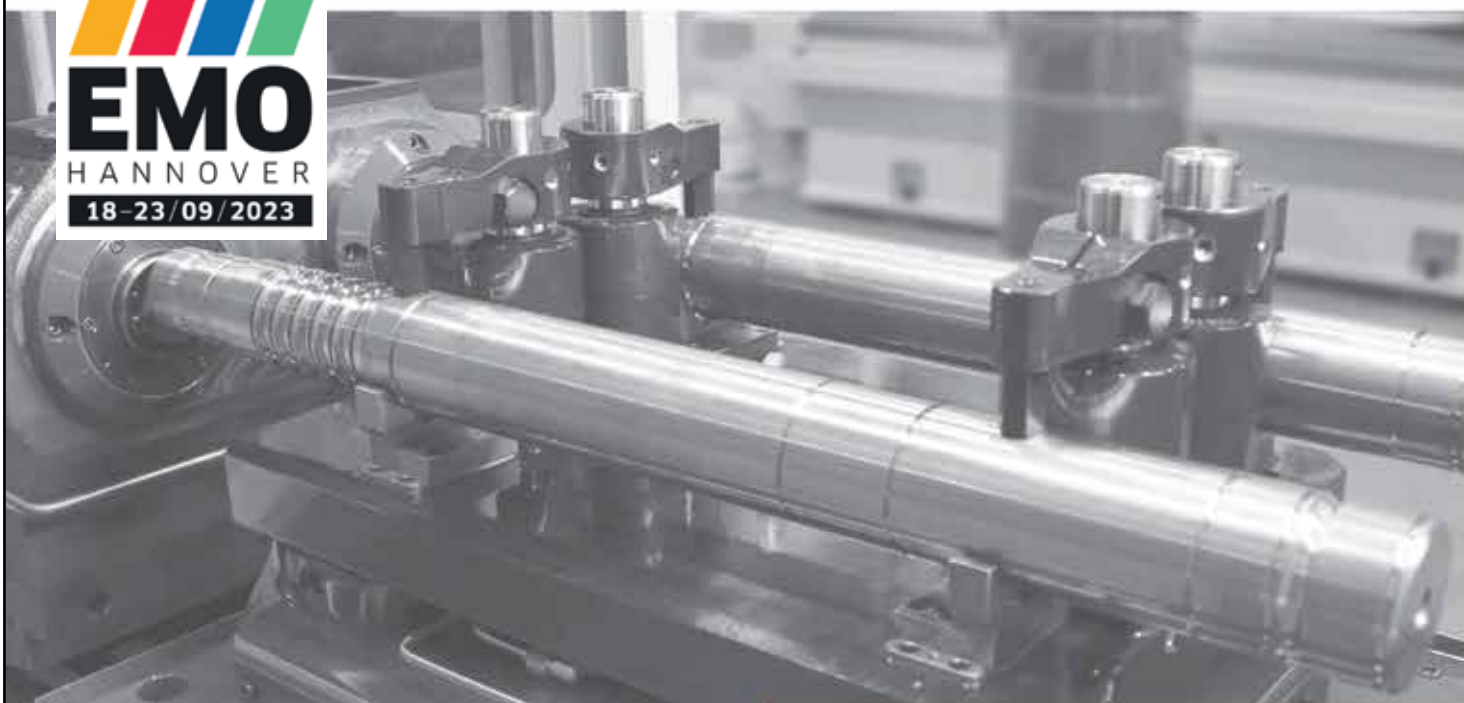
**For more information,  
please see below:  
T +49 7125 9687590  
info@unisig.de  
www.unisig.com**



See us at



UNISIG.COM



# UNISIG

## UNISIG TAKES YOUR GUNDRILLING PRODUCTION FURTHER

**Gundrilling and BTA deep hole drilling  
for highly productive shops.**

Whether your shop needs on-center or off-center holes, specialized job shop work or fully automated production, UNISIG has a deep hole drilling solution with the accuracy and performance you need.

Take your shop's production further - learn more  
at UNISIG.COM.



## Machines • Tools • Automation

UNISIG machines, engineered and manufactured in the USA

# UNISIG

DEEP HOLE DRILLING SYSTEMS



## Fun on the farm

**F**ather's Day is looming and if you're looking for a special treat, why not visit Rutland Farm Park in Oakham, Rutland?

From the 17th-18th June, it's 'two-for-the-price-of one' on all tickets.



Rutland Farm Park is a small 18-acre working farm in the market town of Oakham, the county town of Rutland, England's smallest county.

We are open all year round for you and your family to explore our tracks and meet and feed our wonderful and friendly animals.

### Opening Times and Admission Prices

#### Winter

Monday – CLOSED  
Wednesday – Sunday 10am–4pm  
(Last entry at 3:00pm)

#### Summer

Tuesday – Sunday 10am–5pm  
(Last entry at 4:30pm)

(Summer opening times start when the clocks go forward in March and Winter opening times start when the clocks go back in October)

Open on Bank Holiday Mondays

Closed Christmas Day and New Years Day

#### Farm Park Admission

Adult £8.50 – Child £7.50 – Family £28.00



There is a wide range of animals to see from: pigs, cows, sheep, through to chickens, geese, alpacas, llamas, guinea pigs and horses, so there's something for everyone.

If you're feeling peckish afterwards, visit Daphne's Tea room on-site for refreshments, including delicious home-made cakes and savoury items, all catered for gluten free, dairy free, vegetarian and vegan dietary needs.

Rutland Farm Park is a small 18-acre Victorian working farm, within the beautiful town boundary of Oakham, Rutland and perfect for visitors from Leicester, Peterborough, Nottingham, Northampton and Newark.

The farm park was established in 1970 by John and Daphne Ball, after they returned home from teaching in Kenya. They took over the running of the family farm from John's father and decided to add an educational element to the farm. The couple worked closely with Joe Henson: founder of both the Cotswold farm park (now Adams Farm) and the Rare Breeds Survival Trust) and bought rare breed livestock from him.

"The farm has two main functions: a small family-run working farm in a beautiful Victorian farmyard and the farm park. The farm park is a visitor's attraction with a wide range of animals, Daphne's tearoom and a gift shop.

Visitors tell us we are the true epitome of the childhood real farm image and not a manufactured plastic attraction built to generate profit for shareholders. We concentrate on conserving rare native breeds of animals at the farm park. Some breeds are on the priority 'to save' list, making the loss of the breeds highly likely. This includes our Clydesdale and Shire horses, Lincoln Longwool and Oxford Down sheep, the Saddle Back and Gloucester old spot pigs," explained current owner, Julie Ball.

Dad, may your Fathers Day be better than your jokes



The conservation of the rare native breeds continues the work of John and Daphne Ball's original vision, through the current fourth and fifth-family generation, making this a truly educational experience for families and children.

The family-run farm park welcomes schoolchildren visits and offers a 30% group discount on admission charges. The team are currently working hard to open the nearby woodland for visitors to enjoy and are in the process of converting the pig sty to a covered weatherproof area for school groups, children's parties and craft-lead workshops.

Rutland Farm Park guarantees old-fashioned friendly fun and it really is the perfect family day-out for all generations, from grandparents to grandchildren.

It provides the opportunity to foster a lifelong learn of animals for children, where they are welcome to enjoy cuddle time with the guinea pigs, as well as feeding the alpacas, llamas, cows and sheep. There are lots of workshops and fun events throughout the year: keep an eye on the Facebook page for upcoming events.

All events can be booked online, with a 10% discount on admission for military and blue light card holders.

There are toilets and baby changing facilities located throughout the site and free parking.

**For more information and to make an online booking, please see below:**

**T 01572 722122**

**info@rutlandfarmpark.co.uk**

**www.rutlandfarmpark.co.uk**

**https://www.instagram.com/rutlandfarmpark**

**www.facebook.com/rutlandfarmpark**

Please visit **www.rutlandfarmpark.co.uk**, contact **01572 722122** or email **info@rutlandfarmpark.co.uk**

## Office Space to Rent



### OFFICES TO LET

**Carlton House** 68 Conway Road,  
Colwyn Bay LL29 7LD

- ➔ High quality office accommodation
- ➔ Available individually or as suites
- ➔ Excellent location in the heart of the Colwyn Bay Office Community
- ➔ Close to the A55 in the centre of the North Wales Coast
- ➔ Special concessions for start ups
- ➔ Leases available from just 6 months
- ➔ Easy In - Easy Out terms



### TO LET

**A PRESTIGIOUS SUITE OF OFFICES**  
**Hanover House** St. Asaph LL17 0LT

- ➔ Also available individually from just £25 per week
- ➔ Convenient location adjacent to the A55 motorway
- ➔ On site parking
- ➔ Special deals for Start-Ups
- ➔ Excellent facilities including FREE use of the conference room
- ➔ Opportunity to expand your growing business as required
- ➔ Attractive gardens
- ➔ 24/7 Access



### OFFICES TO LET

**Somerset House** 30 Wynnstay Road,  
Colwyn Bay LL29 8NB

- ➔ High quality office accommodation
- ➔ Available individually or as suites
- ➔ Excellent location in the heart of the Colwyn Bay Office Community
- ➔ Close to the A55 in the centre of the North Wales Coast
- ➔ Special concessions for start ups
- ➔ Leases available from just 6 months
- ➔ Easy In - Easy Out terms

For more details call Jean on: **07789 348817** or email: **jean@hanoverbc.co.uk**

Hanover Business Centres Ltd providing quality offices in Conwy, Colwyn Bay and St Asaph.



# Fluregiene 200™ Protecting your surfaces for longer.

Low friction PTFE  
based coating  
containing **BioCote®**  
**antimicrobial**  
**technology**

Fluregiene 200™ provides  
protection for hygiene conscious  
parts and surfaces

- Excellent corrosion resistance
- Low friction anti-fouling and anti-stick properties
- Durable and easy to clean/wipe down
- Permanently applied to metals, alloys and plastics
- Built-in antimicrobial technology actively reduces microbes on the surface of the coating.
- Reduces fungal growth and surfaces stay fresh longer



Easy cleaning of hygiene  
conscious parts



Reduces microbial growth



Permanent coating protection

For more information about **Fluregiene 200™** call us now on  
**+44 01386 425755** or email **info@cwst.co.uk**

**CURTISS -  
WRIGHT**

**Everlube® Products**