

# Best Practice



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## MacClancy and Sons becomes Boss Products UK



We are excited to announce that MacClancy and Sons Ltd has become Boss Products UK, a proud member of the Boss Industrial Group.

Located in Strathaven, Scotland, they are strategically positioned to serve clients throughout the United Kingdom and the Republic of Ireland.

This exciting new chapter allows the company to forge international partnerships and expand their reach, ensuring that manufacturing facilities in these regions have access to the safest and most innovative fire and explosion solutions available.

Their extended range of offerings now includes the cutting-edge Vigilex Explosion Protection Systems, Boss Process Compression Couplings, VDL Industrial Products and the Raptor Spark Detection and Extinguishing Systems.

With operations commencing on October 1st, 2024, Boss Products UK invites you to explore the exciting opportunities this development presents.

Boss Products supports industrial filtration and bulk material handling systems with a full line of integrated Fire and Explosion Mitigation solutions – including Prevention, Isolation, Diversion, and Venting.

T +44 (0)7884 350337  
[james@bossproducts.co.uk](mailto:james@bossproducts.co.uk)  
<https://bossproductsamerica.com>

## Christeyns Food Hygiene acquires cleaning and disinfection partner

Specialist hygiene solution provider Christeyns Food Hygiene has today announced the purchase of hygiene equipment application specialists H&M Disinfection Systems Ltd

Warrington based Christeyns Food Hygiene (CFH) has acquired H&M Disinfection Systems Ltd, who design, manufacture and install cleaning and disinfection systems for the Food, Dairy and Beverage industries.

In operation since 1989, H&M's modern manufacturing site near Northwich manufactures high quality pump sets, control panels and hygiene systems as well as bespoke units built to individual requirements. With over 30 years of experience in their respective fields the two firms have been partners for many years, providing a turn-key solution for effective cleaning and disinfection operations.

The acquisition will see the H&M facility continue to operate from their existing premises with all staff in place.

Christeyns Food Hygiene is highly regarded in the industry for its effective formulations of detergents and disinfectants for all applications in the food, dairy and beverage industries with customers from across a range of household consumer brands and suppliers to the UK's food retailers. CFH is part of the Belgium owned Christeyns group.

"As we continue our growth strategy, we are delighted to confirm that H&M has become part of the Christeyns family. This acquisition will increase CFH's engineering team and significantly bolster our service offering to clients across the UK and Eire," commented



L to R: Stephen Hall, H&M with Andy Bethel from Christeyns Food Hygiene

CFH Operations Director & Managing Director, Andy Bethel.

"We regard H&M as an expert in its field, with a reputation for providing high quality, bespoke hygiene application equipment, the cornerstone of many customer's food safety management systems. Already working with us as a partner, this was a natural move forward and will ensure a broader, highly enhanced service and health and safety offering for all our customers," concludes Bethel.

The current CFH engineering offering for the optimisation of water, energy consumption, dosing, time and labour will be further strengthened, combining both chemical and engineering expertise including an expanded equipment portfolio, CIP sets, Washdown Systems, Bulk tanks and bespoke engineering.

Stephen Hall, H&M comments, "This is an exciting development for all parties with new opportunities and a further blending of skills and experience that will create a stronger engineering division overall."

Christeyns Food Hygiene: [www.christeyns.com](http://www.christeyns.com)  
H&M Disinfection Systems: [www.hmdis.co.uk](http://www.hmdis.co.uk)

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# Editor's Notes

**Liz Dickinson**  
Editor



Welcome to our December issue of Best Practice, packed with news from across the industry. With COP29 hitting the headlines, we're bringing you our heavyweights from across sustainability best practice.

EcoVadis is the world's largest and most trusted provider of business sustainability ratings, creating a global network of more than 130,000+ rated companies. Christeys Food Hygiene was awarded the prestigious EcoVadis Gold Medal for its commitment to sustainability and responsible business practices. Huge congratulations to Christeys on this monumental achievement. [Read more on page 1.](#)

Anua Clean Air UK Ltd is a specialist Air Pollution Control company with specialism in the field of biological treatment of air and Biogas. Anua are recognised trailblazers in the fields of high performance, low-cost emission abatement primarily based on our Patented Biofiltration and Bio scrubbing technologies. [Read more on page 4.](#)

We've chosen to recommend Bryant Plastics for exceptional best practice in the plastics industry with its range of plastic moving and handling solutions. These include: plastic Roll Cages, Linen & Laundry Cages, Trucks & Trolleys, Bins, Tanks, Tubs and Cans plus its acclaimed spring-loaded platform Self-Levelling Trolleys. [Get the full story on page 19.](#)

Share any news to:  
[liz@bestpracticeuk.co.uk](mailto:liz@bestpracticeuk.co.uk)

## On the Cover

Christeys Food Hygiene is highly regarded in the industry for its **effective formulations** of detergents and disinfectants for all applications in the food, dairy and beverage industries with customers from across a range of household consumer brands and suppliers to the **UK's food retailers**. CFH is part of the Belgium owned Christeys group.



  
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# Valve Solutions for the Global Energy Sector

**oliver**valves

In this issue of Best Practice, we are delighted to feature Oliver Valves as our Valve Technology Company of the Year

The last 12 months have been a period of significant success and progress for Oliver Valves. The company has experienced robust growth across its core markets, which is a testament to the strength of its product offerings and the trust placed in it by customers.

2024 has also been marked by substantial advancements in product development, as Oliver Valves continued to innovate and deliver cutting-edge valve solutions tailored to the evolving needs of its industries. These achievements, combined with a steadfast commitment to quality and customer service, has left the organisation optimistic and energised for the future, ensuring that Oliver Valves is well-positioned to embrace any upcoming challenges and opportunities with confidence.

"Oliver Valves has made significant advancements recently, underscoring our commitment to continuous improvement and innovation. A key focus has been reinvesting in our manufacturing processes, enabling us to enhance safety, increase efficiency, and ensure the highest quality standards for our products. These improvements are integral to maintaining our reputation for excellence while meeting the growing demands of our customers," stated Nick Howard, Engineering Director.

Oliver Valves Ltd is the leading premier instrumentation valve manufacturer, and is made up of a group of four family companies: Oliver Valves, Oliver Hydcovalves, Oliver Twinsafe, and Oliver Valvetek. Being established for over 44 years, Oliver Valves has a rich and enviable history in the field of cutting-edge flaw control technologies, offering a diverse range of instrumentation valves for the global oil, gas and petrochemical industries.

The Hydcovalves range in-particular, has been a remarkable success, as it now gives the company a direct link with emerging hydrogen and carbon capture markets.

"We are proud to be actively involved in the world's largest carbon capture project, contributing cutting-edge valve solutions that support global efforts toward sustainable energy. Furthermore, we are setting new benchmarks within these industries by pioneering innovations that push the boundaries of existing standards. These developments position Oliver Valves as a leader in shaping the future of energy solutions."

"When clients choose us, they are gaining a distinct competitive edge over their competition



through a combination of our innovation, heritage, and expertise. Our dedicated R&D department is at the forefront of technological advancement, continually pushing the boundaries to develop valve solutions that meet and exceed the challenges of modern industries. This focus on innovation ensures our clients always have access to cutting-edge technology that drives efficiency and reliability," stated Nick.

2024 has been a landmark year for the company as it celebrated its 45-year heritage as a trusted name in British manufacturing. This legacy reflects its unwavering commitment to quality and excellence which has earned them the confidence to attract and partner with more clients worldwide.

"Our extensive knowledge spans a diverse range of applications, from subsea operations to topside facilities and now the rapidly evolving fugitive emissions sector. This breadth of expertise enables us to provide tailored solutions that address specific industry needs, delivering value that goes beyond what competitors may offer. Oliver Valves is a partner clients can trust to deliver both innovative solutions and proven reliability," added Nick.

As we head towards 2025, Oliver Valves has a clear vision for the future, balancing growth in new markets with the continued excellence that has defined them for the past 45 years. Nick explained some of the company's short and long-term goals.

"In the short term, we are focused on strengthening our position within the emerging energy markets, such as hydrogen and carbon capture, where we are already making significant strides. By leveraging our expertise and innovative product development, we aim to provide industry-leading solutions that meet the demands of these transformative sectors."

"In the long term, our goal is to maintain our reputation as a trusted partner across all industries we serve. This means maintaining the robust foundation we've built through decades of reliability and high performance. As we evolve, we remain committed to upholding the core values that have earned the trust of our customers, delivering precision-engineered valves that perform under pressure, regardless of the application."

From delivering exceptional innovation, to consistent growth and maintaining an unwavering commitment to excellence, we



**Nick Howard, Engineering Director at Oliver Valves holding the Company of the Year Award**

couldn't help but notice the remarkable leadership and influence that Oliver Valves bestows in terms of product development for the ever-evolving needs of its industries.

Its strong customer focus backed by robust market performance has earned them a reputation for reliability and excellence, pinning them as a clear leader in the field. In closing, we asked Nick how the company felt being selected for this award.

"We are incredibly proud and honoured to have been selected for this award. It serves as a recognition of the hard work, dedication, and innovation that define Oliver Valves. This achievement reflects the collective efforts of our talented team, who consistently strive to deliver excellence for our customers and drive progress within the industry. Being acknowledged in this way inspires us to continue pushing boundaries, set new standards, and maintain the reliability and quality that have been at the heart of our success for the past 45 years."

For more information, please see below:  
T 01565 632636  
sales@valves.co.uk  
<https://www.valves.co.uk>





# Anua Clean Air: Air pollution control specialist

Anua Clean Air UK Ltd are a specialist Air Pollution Control company with expertise in the field of biological treatment of air and Biogas. Anua are established leaders in the fields of high performance, low-cost emission abatement primarily based on our Patented Biofiltration and Bio scrubbing technologies.

Our Monashell™ and CrumRubber™ use recovered materials as the critical filtration component. The unique properties of these materials enhance capture and treatment which in turn provides multiple environmental benefits in terms of



Circular Economy, Carbon Footprint (low water and energy requirement and no consumables) and removal of harmful atmospheric pollutants.


During the past number of years along with its parent Company Anua Clean Air International limited and




Italian Sister company Air Clean SRL, we have been very active in the UK, Ireland and in overseas markets including Italy, France, the Middle East, China and the US. International Reference projects include Dual Pass Monashell Installations in Riyadh, Jeddah, Laguna Lake in the Philippine's, Coimbatore in India, and Sindos in Greece. For our new CrumRubber technology, we have supplied new installations in the Canary Islands, China, Oman and UK and Ireland. We are also currently working with Air Clean USA on the delivery of a number of new installations for the US market.

Anua Clean Air International also specialise in Equipment Health Checks and process optimisation and media replacement services. Over the past number of we have continued to perform System Health Checks and media replacement services on the many hundreds of Worldwide Monashell Installations.


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



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### Leader in Odour Control and Biogas Cleaning Units



"Anua Clean Air UK offer proven, patented clean air bio-technologies, which provide best-in-class process performance with the lowest utility and life cycle costs"

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 - Skid Mounted Odour Control Units -  
 Media Replacements - OCU Health Checks





# Bona: Enhancing the beauty of floors since 1919

## Bona®

Welcome to Bona – your go-to expert in floor care. Possessing over a century's worth of knowledge and innovation, we proudly stand at the forefront of the hardwood flooring sector, enhancing the beauty of floors since 1919. Our dedication to sustainable practices, groundbreaking solutions, and unparalleled excellence has solidified our reputation amongst both homeowners and professionals worldwide. With a comprehensive global footprint, Bona offers an extensive range of products and systems for the installation, restoration, and maintenance of flooring. Our commitment is to provide solutions that maintain the beauty and functionality of floors, throughout their lifetime.

For over a century, Bona has been a household name in floor care, and we are eager to continue on this path to a brighter future. Driven by our passion for flooring and a commitment to high standards, we aim to supply only the finest solutions for preserving and augmenting the beauty and resilience of various floor types.

Since its establishment in 1919 by Wilhelm Edner – a small grocery store owner in Malmö, Sweden where he discovered his affinity for coffee and sold bonvax, a product that polished and protected wood floors – Bona has been at the pinnacle of the hardwood floor industry. Today, backed by more than a century of innovation and expertise, Bona is a leading figure in floor care, committed to showcasing the natural beauty of your floors. Our Swedish heritage and history have sculpted our company's identity, fueling our drive towards sustainable business practices and ensuring that every facet of our operations considers the impact on our planet's precious resources. Our trailblazing spirit has led to significant industry advancements, notably our early move to eliminate toxic chemicals from our finishes and our pioneering of dust containment systems to protect the air quality during floor sanding processes. Bona's high-quality products meet rigorous standards set by national and international environmental bodies.

Being the provider of choice for the world's most trafficked and prestigious buildings, Bona's solutions cater to floors that endure significant daily stress, ensuring sustainability and performance meet the highest standards. By offering the industry's most durable finishes and a complete system of eco-friendly products for floor care and maintenance, alongside a unique global network of Bona Certified



Craftsmen, we enable our customers to achieve optimal results for their floors, earning the recommendation of professionals since 1919.

As we move forward into the next century, our values as a family-owned company remain unchanged; we are wholly focused on innovation, not only in hardwood but in all superior flooring materials including stone, tile, laminate, resilient, and parquet. Our team is dedicated to identifying trends and delivering the best possible flooring solutions. Opting for Bona means choosing safe state-of-the-art products that achieve exceptional outcomes while enhancing the beauty of your flooring.

Reflecting on our rich heritage and accomplishments, we pay tribute to the heart of Bona – our team. With over 600 staff members and a presence in around 90 countries through direct subsidiaries and distributors, our success is built on the tireless effort, dedication, and commitment of our personnel to embody and uphold our company's core values every day. Their unwavering passion, commitment to excellence, and curiosity for innovation continue to drive our success.

Our commitment to sustainability and innovation has consistently been recognised, earning Bona numerous accolades and certifications for our environmentally-friendly practices and superior-quality products, including the Nordic Swan Ecolabel, Greenguard Gold Certification, and the European Business Award for the Environment.

#### Facts and Figures

Bona employs over 600 people worldwide, operates five manufacturing facilities globally, and has a presence in 90 countries through 17 international subsidiaries and distributors. The company is headquartered in Malmö, Sweden, with additional subsidiaries in various countries including Austria, Belgium, Brazil, China, Czech Republic/Hungary/Slovakia, France, Germany, Poland, Romania, Singapore, Spain/Portugal, The Netherlands, the United Kingdom, and the US.

<https://www.bona.com/en-gb>





# The Industrial Solution in Hand Protection Development

Manosun is a brand-new innovative company that designs and manufactures an innovative range of quality industrial hand protection available for all industrial applications.



Developed in 2020 from the aftermath of the first COVID-19 lockdown, Manosun is the brainchild of Steven Patterson with the support of his factory sponsor. Located in the North East of England in South Shields, Tyne & Wear, Manosun works closely with its manufacturers in China to bring product development and innovation to the UK market.

Breaking the mould of traditional offerings, Manosun's core range of hand protection is designed to bring a change to the end-user experience with industrial gloves, gauntlets and sleeves that offer a safe and perfect fit for anyone that requires Personal Protective Equipment.

Steven added, "Manosun have the ability to work on small MOQ's from our sponsor factory in China and the ability to develop new products for an ever-changing work

environment offering products where 'not all solutions are off the shelf.' From ARC, Impact, FR, CUT and General handling applications, our products are the ideal solution for a range of industries from Utilities, Oil & Gas, Electronics and Automotive, to Maintenance, Hot Handling, Circuit Boards, and Renewable Energy."

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

"We also offer case quantities that is much lower than any of our competitors, and because we are a company on the rise that has the capabilities to develop and tweak products to make them more suitable to our client's requirements, we can deliver a more personal service that is tailored to suite the end-user. As we continue to grow throughout the UK, we will be advertising to employ our field sales team for the North (Scotland) and the South," stated Steven.

For more information, please see below:  
T 07468 904409  
steven.patterson@manosun.co.uk  
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- GENERAL**  
The general handling glove range has been made from the best quality materials.
- BASIC**  
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# Westley Lansdowne Safety Consultancy

Fatal injuries are a relatively rare occurrence and yet according to RIDDOR, a staggering 135 workers were killed in work-related accidents during 2022-2023 across Great Britain. These were caused by falling from height, being struck by a moving object or moving vehicle across construction, agriculture, forestry and fishing.



The Health and Safety Executive (HSE) is the national regulator for workplace health & safety and repeatedly stresses the importance of H&S training for the following reasons:

- ▲ Developing a positive H&S culture, where best practices are integral in all workplaces
- ▲ To prevent injury or illness

This applies to all businesses, including small and medium-sized companies and ranges from cascading H&S policies, identifying workplace hazards, to appointing workplace first aiders.

### Addressing H&S advice

Westley Lansdowne Safety Consultancy is a Leicestershire-based company headed by director Thomas Sproston, with a mission to provide expert H&S advice to SME's.

With targeted expertise in complex safety in applications such as defence, aerospace and transport, Tom has brought his knowledge to the forefront and provides robust support within occupational safety.

### Products, processes and premises

Clients of Westley Lansdowne can receive support with any of the three P's, with Tom offering particular guidance for nuclear, rail, aerospace and instrumented safety system standards.

To find out more today about safety consultancy, contact Tom on the details below and quote WLSC BP682: Contact 07476 245559 www.westleylansdowne.co.uk

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# CheckedSafe

## Cutting-edge vehicle compliance

We are delighted in this issue of Best Practice to showcase CheckedSafe for our **2024 End of Year Review**.

It's been a busy year for CheckedSafe. The portfolio of compliance tools, including the much-lauded Driver Licencing Checks and GB Domestic Hours modules have been successfully completed and launched. The company also celebrated its 10th anniversary.

CheckedSafe is the only UK company to develop and launch the GB Domestic Hours app on its platform, elevating it to new heights. This unique product took time and diligence to create the algorithm around a complex set of rules that up until now have only ever been managed by paper systems.

We caught up with Director & Co-Founder Gary Hawthorne to find out more, "We looked at archaic process and flipped those to be managed by tech processes instead. Commercial fleet compliance is still heavily paper based, but the trend is moving overwhelmingly towards tech and we are in the right space to provide that service. Grey Fleets have also become a focus as more and more are coming on board as the realisation of compliance has dawned on them."

"At heart, we are a customer-focused company, developing on the basis of customer feedback. Each request is evaluated and then we develop and launch that feature for the whole checkedsafe client base. We do not charge for this as we believe in sharing good practice and one idea may benefit many others."

Multi-Award-Winning CheckedSafe offers a complete digital cloud solutions package to fleet management across commercial fleet transport, public and private transport, emergency services and plant-hire vehicles. With an emphasis on cost-effective compliance,



companies can track every vehicle for compliance across the UK and further afield, all for as little as £1 per vehicle per week.

These award-winning solutions have digitised vehicle compliance, revolutionising the daily operations of fleet drivers and management, by streamlining operations and eliminating time-consuming paperwork.

By simply downloading a mobile app, commercial drivers can conduct bespoke vehicle checklists. This is compatible across Bus, HGV, Van, Car, Grey Fleet, and Plant & Machinery. Even when drivers are off-grid, the app still functions and allows checks whilst on the go. The checklists are received by the main office, helping compile a whole audit trail across the company. This innovative system ensures all vehicles are Driver and Vehicle Standards (DVSA) compliant and automatically generates scheduling slots for vehicle ad-hoc repair as well as routine MOT's and servicing.

CheckedSafe is a leading compliance company created by industry professionals: Gary Hawthorne and Darran Harris ten years ago. Gary has 30 years' experience in transport across any areas and Darran has been a transport lawyer for over 25 years. This shared expertise has led to a unique partnership that has helped Checkedsafe thrive in the

commercial fleet sectors, as Gary elaborates further, "We will happily collaborate with other 'professional companies' and prefer to do so, rather than try to compete with established solutions but with new tech collaboration with API's is much easier now so bringing together expert areas we find is a far better model than trying to split the atom alone."

"We are moving people from paper to technology, which has huge savings in time, paper, storage – all which impact the environment. You can manage a 100-vehicle fleet with your mobile phone if you so wish, though using a laptop with back-office options are advised for added security. There is no need to store boxes of reports, plus it's all in real-time so any defects/issues can be resolved quickly, reducing overall long-term costs and reducing downtime as better repair planning can be achieved."

The secret to CheckedSafe's success is the driving passion Gary and Darran have for compliance making a change for the better. Working as an ex-operator, Gary knows the frontline problems first-hand but also as an Accredited Auditor, he has witnessed the unnecessary holes people dig for themselves. CheckedSafe offers world-class solutions to all these pain points experienced by the industry.

Looking ahead to 2025, CheckedSafe are forecasting another year of projected growth, with the portfolio range of products receiving tweaks, add-ons and back links to other areas of the platform.

"We have a very exciting project for early 2025 but are keeping tight lipped but it's an exciting addition to our portfolio. Watch this space!"

**To find out more about CheckedSafe or to access the 30-day free trial, please visit the website below:**  
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**info@checkedsafe.com**  
**www.checkedsafe.com**

OVER  
**10**  
 YEARS  
 of compliance excellence



# Eureka Training excels at The Business Show

Visitors to Eureka Training's booth at The Business Show 2023 engaged with the company's experts and experienced trainers who shared practical insights, best practices, and actionable strategies for success.



Institute for Outdoor Learning), RLSS Aquatic Therapy Pool Rescue Award (ATPRA) and RLSS Open Water Lifeguard Qualification. With highly knowledgeable instructors, with over 30 years of expertise, Eureka is committed to ensuring the safety and well-being of individuals and communities with a mission to save lives at work, leisure and at home through training.

Eureka Training's presence at The Business Show 2023 exemplified its dedication to staying at the forefront of emerging Health & Safety trends, blended learning programs and evolving business practices. By tailoring course delivery to best meet the client's environment, practices and expectations, Eureka Training remains committed to empowering individuals and organisations to thrive in an increasingly competitive marketplace.

Eureka Training is an expert provider of workplace health and safety training, specialising in water safety, with RLSS DEFRA module 1 – Water & Flood Awareness training module (which is also accredited with the

Eureka Training offers a comprehensive range of training programs for many environments and sectors as well Paediatric First Aid (complying with OFSTED framework for the Early Years), HSE compliant First Aid at Work (FAW) and Emergency First Aid at Work (EFAW), manual handling and fire safety courses that include Fire Marshal Training, Fire Safety Awareness Training.

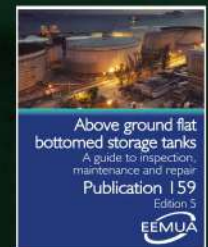
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*Hazard Area Classification*

07989-597569 or 01952-947682

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[www.dsc-ltd.co.uk](http://www.dsc-ltd.co.uk)



# Dematic completes AutoStore™ installation for Italian 3PL Plurima

Automated solution achieves up to 75% reduction in the warehouse space needed while raising employee safety levels. Dematic Software leads to further picking process optimisation



Dematic has successfully installed an AutoStore™ automation system for Plurima (Photo: Dematic)

Dematic recently finalised the installation of an automation project featuring an AutoStore system for Plurima. The 3PL is the leader in the Italian market for hospital logistics and medical data management and also provides storage services for public and private hospitals. The newly installed system increases operator performance for both decanting and picking while also boosting order accuracy.

“In view of the market challenges we were facing, we already knew that an AutoStore system might be the best fit for us to meet our goals, and when combined with Dematic’s expertise and vast experience in working with the system, we knew this was our ideal partner for the improvements we sought,” explains Fabio Grossi Gondi, the managing director at Plurima.

To better provide outsourced pharmaceuticals and administrative stock management, Plurima turned to Dematic to deliver automation to its distribution centre in Caltignaga, in Italy’s Piedmont region, which supplies hospitals and other medical facilities in the province of Novara.

“Thanks to the advanced functionalities of our software, along with the batch

order Put2Light system utilising battery-powered carts and wireless technology, we further optimised the picking processes, making the overall solution even more responsive and sustainable in terms of an ROI perspective,” beams Rosario Filomena, a sales manager in Italy for Dematic.

The modular, automated goods-to-person system was installed in an



Plurima commissioned Dematic to automate its distribution center in Caltignaga in the Italian region of Piedmont in order to improve the outsourcing of pharmaceuticals and inventory management. (Photo: Dematic)

existing facility, which is approximately six metres high and has a floor space covering 400 square metres. The grid height is approximately 3,700mm and has a storage capacity of 10,000 bins. The system has a storage volume of up to 758 cubic metres and a ratio of 1.9m<sup>3</sup>/m<sup>2</sup>. The 13 R5 robots and their respective battery chargers along with three carousel-type doors ensure the picking and decanting processes are carried out efficiently.

According to Grossi Gondi, Plurima is already reaping the benefits of their newly installed solution. The company has reduced its warehouse storage area by roughly 75% and has cut the number of employees needed for order fulfilment down to one-third of what it previously required. Additionally, employee safety has also climbed upward.

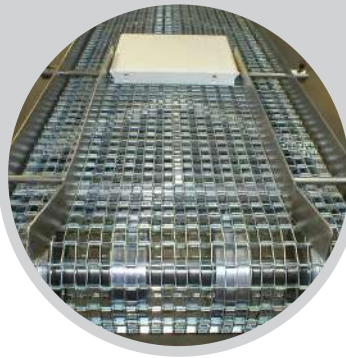
Sums up Filomena for Dematic, “We are convinced that this successful model can be replicated in other distribution centres with similar results in the future.”

For more information about Dematic, please visit: [www.dematic.com](http://www.dematic.com) and follow us on LinkedIn, Facebook, and X.



# INNOVATIVE CONVEYOR SOLUTIONS FOR EVERY INDUSTRY

MJE Projects, an engineering firm specialising in the design and manufacture of all kinds of conveyor systems. From custom solutions to standard models, we deliver innovative, efficient, and reliable conveyor systems tailored to meet your specific needs.



## WHY CHOOSE MJE PROJECTS?

### Expertise and Innovation

At MJE Projects, we pride ourselves on our deep industry expertise and commitment to innovation. With years of experience in designing and manufacturing conveyor systems, our team of skilled engineers leverages cutting-edge technology and best practices to deliver solutions that enhance efficiency and productivity. By choosing MJE Projects, you benefit from our relentless pursuit of excellence and our ability to provide state-of-the-art systems tailored to your specific needs.

### Customised Solutions

Every business has unique operational requirements, and at MJE Projects, we understand the importance of providing customised solutions. Our approach involves closely collaborating with clients to thoroughly understand their needs and challenges. This enables us to design and implement conveyor systems that are perfectly aligned with your operational goals, ensuring seamless integration and optimal performance. Whether you require a standard model or a bespoke design, our solutions are crafted to drive success.

### Quality and Reliability

Quality and reliability are the cornerstones of our business. At MJE Projects, we adhere to stringent quality control standards throughout the design and manufacturing process, ensuring that every conveyor system we deliver is robust, durable, and dependable. Our commitment to using high-quality materials and advanced manufacturing techniques guarantees that our systems can withstand the demands of your operations, providing you with peace of mind and long-term value.

### Comprehensive Support and Service

Our relationship with clients extends beyond the delivery of our products. MJE Projects is dedicated to providing comprehensive support and service, ensuring that your conveyor systems operate smoothly and efficiently over their lifespan. From installation and training to ongoing maintenance and troubleshooting, our team is always available to assist you. Our proactive approach to customer service ensures minimal downtime and maximised productivity, allowing you to focus on your core business activities.

Please visit [www.mjeprojectslimited.co.uk](http://www.mjeprojectslimited.co.uk), contact **07950 665216** or email [info@mjeprojects.co.uk](mailto:info@mjeprojects.co.uk)

**MJE**  
PROJECTS



## Beat the new plastic tax: Reduce plastic and lower costs with Lock N Pop pallet stabilisation



- ▲ Lock N Pop reduces the need for plastic pallet wrap
- ▲ Cost-effective under the new UK Plastic Tax (Plastic Packaging Tax PPT): introduced in April 2022
- ▲ The definitive environmentally-friendly solution: Cold, water-based and plastic-free
- ▲ Contains no hazardous, heated components or plastic consumables.

Gransden UK, formally known as Lock N Pop UK Ltd, is the sole UK and Ireland distributor of the Lock N Pop pallet stabilisation systems, primarily known for reducing plastic pallet wrap and enhancing pallet stabilisation. The UK based company has been supplying the Lock N Pop solution to customers across the industrial and food and beverage applications for over 25 years.

The Lock N Pop pallet stabilisation solution simply saves money by removing the costs associated with palletised goods moving or collapsing in transit to end-customers. The primary focus on streamlined production process efficiency and the end transit journey to high street shelf, distribution centre or even across international waters or airspace has been paramount and has afforded Lock N Pop gold-standard industry recognition.

Director, Duncan Potter, said, "We specialise in the Lock N Pop technology which is a water-based cohesive used for pallet stabilisation, applied on the production line prior to goods palletisation. We provide everything: machines, cohesive and full-service support, with service engineers stationed around the country."

Lock N Pop pallet stabilisation uses a cold, water based cohesive, that is carefully applied inline to the cases, bags, shrink-wrap trays etc. immediately before palletisation. The cohesive has high shear strength characteristics which binds the products together, resulting in a stable pallet. However, the additional bonus is that the cohesive combines this high shear strength with a low tensile strength, meaning that the items can easily be separated.

"We are always interested in talking to customers using robotic or automatic layer palletisation at the end of production processes. Our solution works well with boxes, shrink wrap packs or sacks. We specialise in all products but have seen a real increase in the last 18 months from customers palletising bagged products, often animal feed, chemical or industrial products such as cement bags."

**For more information, contact Gransden UK Ltd:**  
**T 01728 726621**  
**M 07516 683314**  
[locknpop@gransden.org](mailto:locknpop@gransden.org)  
[www.locknpop.co.uk](http://www.locknpop.co.uk)

With the UK Government's 2050 net-zero targets and a greater push towards the circular economy, all eyes are on sustainable best practices. With this in mind, Lock N Pop is seen as the sustainable solution of choice across the industry for the following reasons:



## XPO Logistics receives prestigious Employer Recognition Scheme Gold Award by UK Armed Forces Covenant

XPO, a leading provider of innovative and sustainable end-to-end logistics solutions across Europe, has been awarded the Employer Recognition Scheme Gold Award by the Armed Forces Covenant for the company's exceptional work in supporting veterans throughout the business. The Covenant helps members of the UK Armed Forces community gain access to critical Government and commercial services and products, including healthcare, education, childcare and other areas.



and a more comprehensive understanding of the demands placed on them in business. This improved knowledge of the challenges employees face balancing civilian and military roles has led the company to review and re-evaluate its policies, including granting extra holiday allocation for CFAVs. XPO has also supported fundraising projects and supply logistics for cadet force operations.

Individuals with military backgrounds comprise a considerable part of the XPO Logistics team. More than 200 personnel in the UK are veterans, military spouses, cadet force adult volunteers (CFAVs), or reservists, working across the business in professions ranging from drivers to finance and accounting staff.

XPO also highlights that the Defence Community welcomes applications in the company's recruitment material. The Veterans' Employment Support extends to a partnership with Veterans into Logistics and the Office for Veterans Affairs.

Employing veterans is only one aspect of the support XPO provides its Forces personnel. For example, XPO is 'mobilisation positive' and has supported all mobilisations since 2021. Reservists have pre-deployment meetings with line managers and return-to-work interviews with non-obligatory discussions about skills gained on deployment. The company also reaches out to local Unit Employer Support Officers (UESOs) to find out what other support it can offer them.

Armed Forces Day, Reserve Day and Remembrance are all acknowledged within XPO. On November 11th at 11:00, all employees observed a one minute silence to remember fallen military personnel.

CFAVs also receive an additional ten days of leave (which can be unpaid where required), and military spouses receive three days of extra leave per year to support their partners' deployments and meet family needs.

XPO Logistics is a leading innovative supply chain company in Europe, offering end-to-end logistics solutions that combine full-truckload, less-than-truckload, pallet distribution, last-mile delivery, global freight forwarding, and warehousing services. The company tailors its solutions to the specific needs of its customers in a wide range of industrial and consumer sectors.

**For more information, please visit: [www.xpo.com](http://www.xpo.com) and [europe.xpo.com](http://europe.xpo.com) and follow us on Facebook, Twitter, LinkedIn, Instagram and YouTube.**

XPO has attended various events to help support Defence personnel with employment



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# Streamlining safety and compliance inspections for machinery OEM's, end-users and safety consultants

## UK machinery safety

Machinery safety is a top priority across all industries to safeguard safe working practices. Despite best safety practices, HSE reported that tragically 135 workers were fatally injured at work during 2022/2023 (RIDDOR), with construction, agriculture/forestry/fishing and manufacturing reporting the highest fatalities. Machine hazards in manufacturing can range from machine guarding, electrical hazards, poor maintenance, mechanical hazards, to equipment malfunctions, and many more, with the onus placed on companies to become more stringent with the health & safety and regular inspections of machinery operations.

## The dreaded internal safety inspections

Automated assembly lines have now become standard practice across many warehouse and distribution, manufacturing and food & beverage companies, freeing up staff to carry out other important tasks. Needless to say, one area that hasn't changed much is the dreaded 'inspection clipboard,' with lots of tick boxes. It can often be a cumbersome job but putting it off can cause machinery failure, leading to costly downtime and in worst case scenarios, injuries or fatalities.

But what if there was another option?

## Introducing MachineSafe safety and compliance software

The MachineSafe safety and compliance software platform has been designed to fit a gap in the market for the inspection process by machinery safety engineers. With a rich background in conducting PUWER inspections, UKCA Marking, CE Marking and Machinery Risk Assessments, the MachineSafe engineers used this expertise to develop the platform. Managing Director, Jon Rowen is a member of the BSI Safeguarding of Machinery Committee and is well versed in the mechanics of machine safety protocols.



Machine Type	Inspection Type	Asset Number	Company Name	Inspector Name	Last Change By	Last Change Date
13	PUWER Inspection	000019	MachineSafe	Jon Rowen	Jon Rowen	2023-11-15
13	New Machinery Compliance Audit	000019	MachineSafe	Jon Rowen	Jon Rowen	2023-11-15
13	Hydraulic Installation Inspection	000019	MachineSafe	Jon Rowen	Jon Rowen	2023-11-15
13	Machine Safe Audit	000019	MachineSafe	Jon Rowen	Jon Rowen	2023-11-15

## Benefits of MachineSafe

We spoke to Jon to get a further insight into the benefits of MachineSafe for end users, "Our web and tablet-based platform affords optimised safety and compliance inspections of machinery and equipment across industries such as warehouse and distribution, manufacturing and food and beverage. The platform takes away the burden of inspections, which is a pain point for many companies across the UK. It is perfect for OEMs, machinery end-users and consultants who need timely machinery inspections and audits for stakeholders or customers, even for auditing new machinery at the manufacturers before it is shipped to your company."

"With inspection modules such as: Prevision and Use of Work Equipment Regulations Assessment (PUWER), Risk Assessments, New Machinery Audits, MachineSafe Audit, CE/UKCA Marking, electrical, pneumatic and hydraulic systems. Users can also add their own inspections to the MachineSafe platform for their own use."

## User-friendly and streamlined

The MachineSafe app can be easily downloaded from Google Play but for companies who would like more information, there are Zoom demonstrations, followed by in-person ones if required.

Following assessments and inspections, the data can be switched to a Cloud Platform and pdf reports can be printed, for ease and convenience.

That's not all.

MachineSafe offers training for upskilling teams on PUWER inspections, risk assessments and compliance support, as required.



"PUWER (Provision and Use of Work Equipment Regulations) places duties upon individuals and companies who own, operate or control work equipment. PUWER also places responsibilities on businesses



and organisations whose employees use work equipment, whether owned by them or not. The purpose of a PUWER inspection is to identify whether the equipment can be operated, adjusted and maintained safely and that any deterioration (for example, any defect, damage or wear) can be detected and remedied before it results in unacceptable risks."

"The MachineSafe PUWER module is available as a stand-alone module or is included in our Enterprise subscription is the ideal tool to manage and document your PUWER inspections."

"All MachineSafe subscriptions include all the core inspection modules, with templates available at the touch of a button. End-users can simply choose the subscription package that suits their requirements. The platform latest release now includes UI enhancements, Improved inspection templates and CE/UKCA marking plugin and our engineers are constantly looking at how to improve the platform going forward." concluded Jon.

## The age of technology

Industry 4.0 pushed advancements in automation, robotics, smart systems, AI, machine learning, big data analytics and IoT across many industries. The advent of Industry 5.0 however, is all about placing worker wellbeing at the epicentre of production processes and using new technologies to provide prosperity beyond jobs and growth while respecting the production limits of the planet. For many industries, this could translate to technology 'freeing' up staff to carry out other important tasks and MachineSafe is at the forefront of streamlined inspections, placing workers at the heart of safety.

**For more information or to request a demo today, please see the details below:**  
**T +44 (0)1793 547018**  
**info@machinesafe.co.uk**  
**https://machinesafe.co.uk**



# 43 to 160Vdc input rail and industrial DC-DC converter series



TDK Corporation (TSE:6762) announces the expansion of the TDK-Lambda brand CN-B110 series with 50W, 100W, and 150W rated quarter-brick DC-DC converters. Capable of operating from a wide input voltage of 43 to 160Vdc, the converters are compatible with 72Vdc or 110Vdc nominal railway systems for applications such as rail rolling stock and trackside equipment.

These additional converters are available with 5V, 12V, 15V, 24V, and 48V outputs and expand the CN-B110 series from 50W to 300W. Using the trim function, they can be adjusted using a resistor or an external voltage to compensate for voltage drops or to accommodate non-standard system voltages.

To meet demanding high voltage requirements for transients and 5,000m altitude, the CN-B110 series has sufficient spacing between the primary input and baseplate for a 2,500Vac isolation voltage. The input-to-output isolation is 3,000Vac and 500Vac between the output and baseplate. With efficiencies of up to 92%, power losses are minimised, allowing the products to operate at baseplate temperatures of -40°C and up to +100°C, with very minimal to no derating at high temperatures. Cooling is achieved using the optional heatsinks or a cold plate via the module's aluminium baseplate.

Further information on the products can be found at: <https://www.emea.lambda.tdk.com/uk/products/cn-b>

# Illuminating Safety

In hazardous environments such as oil refineries, chemical plants, and mining operations, the advent of wireless Bluetooth networked lighting control represents a significant leap in safety and efficiency. These settings demand rigorous safety standards and reliable technology to ensure worker well-being and asset protection. Wireless Bluetooth lighting control offers a robust solution that enhances both safety and operational efficiency.

Traditional lighting systems in hazardous areas rely on hardwired connections, which can be cumbersome and costly to install and maintain. Wireless Bluetooth technology eliminates the need for extensive wiring, reducing installation time and costs. Crucially, it minimises the risk of electrical sparks – a vital consideration in environments with flammable gases or dust.

The ability to remotely monitor and control lighting systems is a primary benefit of Bluetooth networked lighting. In hazardous areas, workers can adjust lighting levels, test emergency lighting or diagnose issues without entering dangerous zones. This enhances safety and improves operational efficiency through rapid adjustments and maintenance.

Bluetooth networked lighting systems can integrate with other safety and monitoring



systems. For example, in the event of a gas leak or fire, the lighting system can respond by increasing illumination to guide evacuation routes or flashing lights to signal an emergency. This integration ensures a cohesive safety approach where lighting actively supports emergency protocols.

Energy efficiency is another advantage. Bluetooth lighting systems operate only when necessary, reducing energy consumption and heat generation – critical in hazardous areas where temperature control is vital.

For more information, contact STL International Ltd ([SMARTEXLED@stl-int.co.uk](mailto:SMARTEXLED@stl-int.co.uk))

Contact <https://stl-int.co.uk>

# Rohde & Schwarz and ETS-Lindgren partner to offer OTA testing solutions for next gen wireless technologies

Rohde & Schwarz and ETS-Lindgren continue their long standing partnership to deliver comprehensive over the air (OTA) testing solutions for next generation wireless technologies.



from ETS-Lindgren. With this integration, the two companies continue their partnership to advance comprehensive testing capabilities for wireless technologies.

ETS-Lindgren has integrated the CMX500 one box signalling tester and R&S SMBV100B vector signal generator from Rohde & Schwarz into its EMQuest software. This collaboration supports the latest standards, including 5G FR1, 5G FR2, Wi-Fi 7 and A-GNSS.

The R&S<sup>®</sup>CMX500 one-box signalling tester and R&S<sup>®</sup>SMBV100B vector signal generator from Rohde & Schwarz are now integrated with the chamber technology and EMQuest software

The CMX500 offers a wide range of device testing capabilities, supporting cellular and non-cellular technologies such as 4G LTE, 5G NR FR1 and FR2, the latest 5G RedCap technology and Wi-Fi, up to the latest Wi-Fi 7 standard. The R&S SMBV100B is a vector signal generator that sets standards in its class with ultra-high output power and fully calibrated wideband signal generation.

<https://www.rohde-schwarz.com/uk>

# How Minebea Intec Supports BYD's Lithium Battery Evolution

As global demand for lithium batteries rises, Minebea Intec is providing advanced weighing systems for BYD's 30,000-ton lithium carbonate project in Nanning, China. With load cells PR 6212 and mounting kits PR 6012, precise dosing and quality control are ensured.

As the green wave sweeps the globe, demand for lithium batteries has surged due to their role as key energy carriers in electric vehicles and energy storage industries. To meet the growing demand, the leading new energy company BYD planned to build a 30,000-ton battery-grade lithium carbonate project in Nanning, Guangxi. After rigorous selection processes, Minebea Intec was chosen to provide weighing systems for lithium carbonate thickeners.

## Enhancing Lithium Carbonate Production with Tailored Solutions

Within lithium carbonate production process, thickening plays a critical role in concentration enhancement, serving as a key quality control point. Weighing process allows customers to dose additives precisely, control product quality and document material usage. Minebea Intec tailored the solution based on multiple aspects and BYD precision requirements. Four load cells PR 6212 and mounting kits PR 6012 were installed under every vessel. The collected signals were then transmitted via a junction box to the weight indicator X2, subsequently uploaded to the DCS system for automated control of the charging and discharging process.



<https://www.minebea-intec.com/en>



# TKA series from KABELSCHLEPP Metool keeps away chips, dust, and spray water

## A safe space for cables in rough environments

Chips are produced wherever there is milling, turning, or grinding. And that is exactly where the TKA series from KABELSCHLEPP Metool is a perfect solution. The cable carriers made from solid plastic feature a particularly dirt-repellent smooth surface, and excellent tightness even in the connection areas.

Machine tools and machining centres generate large quantities of different, sometimes hot chips, metal particles, or emulsions that can damage cables and hoses. In the worst case, this type of damage can cause the entire production process to fail. The **solid plastic TKA cable carriers** from KABELSCHLEPP Metool with their particularly tight design reliably protect cables against dirt, chips, and spray water, preventing issues such as the ingress of coolants and lubricants.

With the encapsulated stroke system and pin/hole connection, even large quantities of atomised oil and ejected particles no longer pose a problem when it comes to cleaning the work area. This particularly high level of protection for the installed cables and hoses all the way into the connection area was tested to IP54 and confirmed by TÜV NORD for type TKA55 with Bi 50 – 175mm.

### Reliable guiding over extensive unsupported lengths

Other essential product properties of the TKA series are the optimised geometry of the chain links, high torsional rigidity, and a triple

stroke system which enables even extensive unsupported lengths. The cover, which can be opened easily from the side in any position, and the particularly smooth and dirt-repellent surface facilitate maintenance. The horizontal and vertical divider options enable optimal use of the interior of the cable carriers.

The closed cable carriers from the KABELSCHLEPP Metool TKA series are available with a pitch of 30, 38, 45, and 55mm and different inner widths between 15 and 250mm. The inner height is between 20.5 and 45mm. Depending on application and type, the TKA allows an unsupported length of up to 6.5m as well as travel lengths of up to 150m for gliding applications. Additional loads up to 15kg/m and a travel acceleration of up to 50m/s<sup>2</sup> can be implemented depending on the application conditions.

### Sustainability needs service: KABELSCHLEPP Metool is part of the global ProService initiative

The most sustainable product is the one that lasts the longest. Accordingly, service and customer care at KABELSCHLEPP Metool go far beyond just the selling of products. The global ProService initiative of the TSUBAKI Group is a sustainable, globally standardised service strategy that comprises six modules



– installation support, maintenance training, on-site inspection, analysis, performance monitoring, and optimisation – and ensures consistent quality standards. Users benefit from global flexibility and customised service support from the KABELSCHLEPP product experts while also receiving engineering, products, and customer service from a single source, as well as a system warranty.

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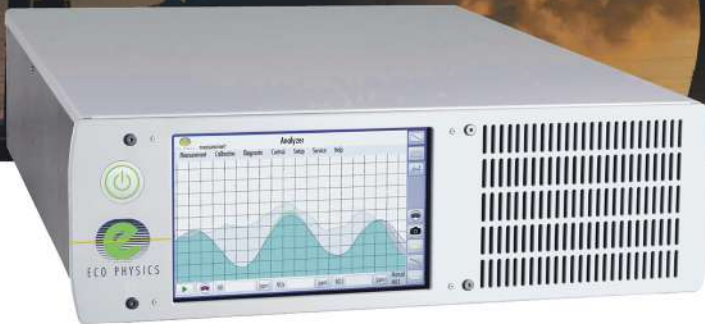


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# ECO PHYSICS nCLD "Facelift" boxed solutions

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



Measurement of:  
**NO · NO<sub>2</sub> · NO<sub>x</sub>**

The one- and two-channel chemiluminescence based NOX analyzers of the nCLD "Facelift" box-solution analyzers detect NO, NO<sub>2</sub> and NO<sub>x</sub> at concentrations ranging from 5 ppm to 5000 ppm with minimal detection limits averaging from 0.4 ppb to 0.5 ppm. 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 preconfigured 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. Additionally, all nCLD-models are capable of a remote power down/up including a failsafe feature. nCLD AL<sup>2</sup> and EL<sup>2</sup> are TÜV approved, qualified according to ISO EN 14211 and 15267 1-3.

- Compact analyzer with external or integrated pump
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- GRP – Glass Reinforced Plastic

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# SPIROL introduces new precision machined compression limiters

SPIROL is pleased to introduce the new Series CL6000 lightweight, lead-free, Aluminum Precision Machined Compression Limiters. Compression Limiters are designed to reinforce high stress joints in plastic assemblies where bolts are used to connect two components to each other. They protect the plastic from excessive compression by absorbing the load when the bolt is tightened to the recommended tightening torque. This ensures the durability and reliability of the joint throughout the product's lifespan.

The CL6000 is machined from 2024 grade aluminum which provides the best combination of strength, corrosion resistance, machineability

and cost. The CL6000 aluminum Compression Limiters are 40% stronger and 1/3 the weight of the same Compression Limiter manufactured from brass.

For applications that require extra bearing surface for the mating component, the CL6100 Headed Compression Limiter has all of the same features of the CL6000, with the addition of a head. In addition, for applications that require a galvanic alternative to aluminum, SPIROL is simultaneously launching the new CL8000 brass precision machined Compression Limiters, as well as the CL8100 headed brass version.



The function and total overall cost of the assembly vary drastically based on the type of Compression Limiter used in the application. SPIROL's Engineering team will help determine the most appropriate Compression Limiter based on the specific application and assembly requirements.

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

## Revolutionising Logistics: The Transformative Impact of AI Tech Adoption

In the ever-growing and highly competitive logistics sector, automation has become indispensable, with the latest innovations in the form of Artificial Intelligence (AI) transforming business dynamics more radically than ever before. The potential of this technology to enhance productivity is almost unfathomable, positively affecting both the profitability and efficiency of companies, as well as their ability to foster economic growth.

According to 2023 statistics from the US International Trade Administration, the UK AI market was worth more than £16.8 billion and is expected to grow to £801.6 billion by 2035, while government research suggests that around one in six UK businesses has embraced at least one form of the technology.

This growth in AI adoption opens up a range of possibilities for companies in the logistics sector. Taking the data that can be gleaned from connected devices, AI can transform it into useful

insights to be managed by Robotic Process Automation (RPA) solutions. In this way, simple and repetitive tasks, usually performed manually by employees, are automated, which generates opportunities to embrace more strategic value-added tasks.



"With the help of Artificial Intelligence, we can accurately predict the demand for goods and services and generate possible scenarios from current market conditions. This will allow logistics companies to allocate resources efficiently, plan transportation routes and optimise inventory levels, which results in a significant reduction in the operating costs that presents a management challenge: fuel, labour and vehicle maintenance," says Erick Martins, Solutions Consultant at Descartes Systems Group (pictured).

<https://www.descartes.com>

## NE Fasteners celebrating 39 years 1985-2024

NE Fasteners Limited, a family owned company, is celebrating its 39th year of business. With Nigel Elliott setting up in his garage in Halesowen, it soon became apparent his in-depth knowledge and expertise of the trade was invaluable and he's still very much involved on a day to day basis. This would not have happened without loyal and supportive customers, suppliers and staff alike.

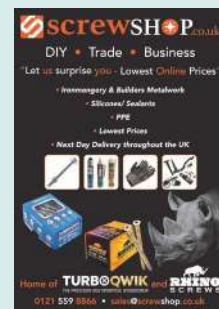
We primarily specialise in screws fixings & fasteners for the DIY, hardware, building, joinery and furniture manufacturing sectors. NE Fasteners prides itself with offering expertise, competitive prices from local and internationally sourced standard and bespoke products.

Our warehouse is situated in a 7,000ft<sup>2</sup> warehouse in Cradley Heath in the West Midlands. We are able to provide a wide range of finishes, including zinc, electro brass, black chrome, satin chrome, bronze and nickel, and packaging options, ensuring that many buyers consider us to be a key and valued supplier.

More recently, Screwshop has evolved from its established sister company NE Fasteners and has also proven a huge success with its online shop. After 5 years in operation, we have grown year on year and seen an increase in sales during the recent pandemic. We are now looking to increase stock and make it even easier for customers to order.

With friendly and experienced staff, our aim is to offer excellent service with our next day deliveries and give an opportunity for our customers to let us manage all fixings, fasteners and component requirements competitively.

Have a look at our online shop at: [www.screwshop.co.uk](http://www.screwshop.co.uk) or give us a call on: 0121 559 8866 with your enquiries and we will give you our best attention and prices at all times.



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Now operating in its fourth decade, no job is too big or too small for Multigrind. Its capabilities range from offering a complete package service including 'lights out' production work, to manufacturing small batch work and one-off prototypes.



ISO 9001:2015 Accredited, this complete package includes services such as CNC Turning, CNC Milling, CNC Grinding, Centreless Grinding and Surface Grinding – alongside various other services through our supply chain partners including Surface Treatments/Plating, Heat treatment, Non-Destructive Testing (NDT), Electrical discharge Machining (EDM) and Welding among others.

Since the 1970's, Multigrind has set the bar high with its grinding capabilities. Whether you're in need of large volumes or small batches, Multigrind's team achieve highly precise measurements, meeting strict tolerance requirements across a range of materials including stainless steel, aluminium, copper and plastics.

Other services worth noting are their Extensive CNC Turning & Milling services. Built for precision and efficiency, the Mazak Europe VCS 430A, which is one of several powerhouse machines in their Milling department is equipped with Renishaw UK & Ireland probing for close-tolerance results along with a 4th axis that

combines multiple operations in a single cycle. In addition, a range of Mazak Europe Quick Turn 250MSY's are fully installed with full C axis capabilities and the latest Smooth G controls complimented by Hydrafeed Ltd Barfeeds. What's more, Multigrind's powerful CAM processing system can also seamlessly translate drawings and 3D models directly into the machines.

Using the latest technology supplied by PSL Datatrack Ltd to plan and schedule workflow, Multigrind continues to invest in the future to ensure it has the latest tools and software to better serve clients, offering a more cost-effective and time-efficient service.

**If you're interested in finding out more about its services, please see below:**  
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<https://www.multigrind.co.uk>



## Isn't it time you started riding the wave?

According to figures released by market analysts Statista, in 2023 the UK had nearly 60 million e-commerce users. By 2025 this figure is expected to have risen by another two million.



Unsurprisingly online sales peaked during COVID when they accounted for around a third of all UK retail trade and although the end of the pandemic saw high street shopping enjoy something of a renaissance, it is forecast that a staggering 38.1% of the transactions undertaken between UK retailers and their customers will be carried out online by the end of 2025. With an estimated value of £152 billion this will make the UK e-commerce market one of the most advanced in Europe.

The relentless growth of internet shopping has inevitably brought challenges for the logistics industry; inventory management has become increasingly complicated as product ranges have grown, while the explosion in the number of orders received has put packing operations under huge pressure.

And, of course, meeting the promises of ever shorter delivery times that retailers make to woo customers in what is an ultra-competitive market requires super-quick order processing.

Efficient and accurate order picking has always been the cornerstone of any successful warehousing operation and it is fundamental to successful e-fulfillment. So, it is perhaps a little surprising that despite their inherent inefficiency traditional manual order picking systems remain widely used at sites dedicated to getting online sales orders to the consumer's front door in the shortest possible time.

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# Leading Edge: Best Practices in Sustainability and Innovation at Bryant Plastics

In this issue of Best Practice, we have chosen to recommend Bryant Plastics for its cost-effective energy efficient processes.

Bryant Plastics Ltd exemplifies best practices in the plastics industry through its unwavering commitment to sustainability, innovation, and customer satisfaction. For businesses seeking a reliable and forward-thinking partner in plastic manufacturing, Bryant Plastics provide a wide variety of plastic moving and handling solutions.

It's in-house design and production teams provide an extensive range of standard and custom plastic containers including plastic Roll Cages, Linen & Laundry Cages, Trucks & Trolleys, Bins, Tanks, Tubs and Cans plus its acclaimed spring-loaded platform Self-Levelling Trolleys.

While plastic often has a bad reputation, not all plastics deserve this stigma. Bryant Plastics' commitment to producing high-quality, sustainable products not only addresses today's environmental demands but also sets the stage for a greener and more innovative future.

"The plastic we use is virgin M.D.P.E which can be recycled and used for probably the next 100 years or more. There is a great book by Dr Alicia Chrysostomou called Plastics: Just a load of rubbish? That I think everyone should read especially if you are looking at educating yourself in the sustainability of plastic and the environment," stated Jackie Smith, Quality and Improvement Manager.

Ensuring environmental issues remain at the forefront of every innovation, one of the standout initiatives of Bryant Plastics is its comprehensive recycling program, where all of its surplus and scrap plastic is sent to specialist plastic recyclers so that it can be put back into use in other manufacturing industries. This procedure not only preserves the environment, but also conserves the fossil fuels such as natural gas or oil used to manufacture it.

For over 40 years, Bryant Plastics has been at the forefront of manufacturing high-quality materials handling equipment in the heart of Yorkshire. Renowned for the durability and excellence of its products, Bryant Plastics offers cost-effective and competitive solutions across various industries, including warehouse, distribution, recycling, textile, manufacturing, and laundry & cleaning.

Beyond its operational excellence, Bryant Plastics is deeply committed to ethical business practices and transparency. Central to the company's values is a strong emphasis on environmental sustainability. Over the past 12 months, Bryant Plastics has significantly upgraded its machinery to enhance energy efficiency, reflecting its dedication to minimising environmental impact and fostering a greener future. "We are very pleased with the outcome



and are excited for our next project: Heat Capture. This will make our processes even more energy efficient!" added Jackie.

Naturally, operating in the plastics industry presents an array of challenges related to environmental concerns, regulatory pressures, market dynamics, and technological advancements. To conclude, I asked Jackie about the challenges the company anticipates in the future and its strategies for addressing them.

She answered, "I think the instability that comes with war and the rising cost of energy is of concern to everyone. However, we are in the fortunate position that we are in a long-term contract for our energy so thankfully, we have that safety net for many years."

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Bryant Plastics Ltd have been manufacturing high quality materials handling equipment for over 40 years in the heart of Yorkshire and are the largest manufacturer of laundry & linen cages (roll containers) in the UK. We pride ourselves on the quality and durability of our products, whilst providing cost-effective and competitive solutions to our customers.

#### Who we serve



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# Dust and fume control for packaging company

Impact was asked to provide a welding and fettling extraction system for a British multinational consumer packaged goods company. The goal was to ensure the safety and protection of employees during the fabrication and repair of stainless-steel items. To meet this need, a comprehensive solution was designed, supplied, and installed.

An Impact 1,500x1,000mm downdraught bench was installed to effectively control airborne particulates generated during fettling processes. This bench also includes a containment bin to collect heavier particles and grindings, ensuring a clean and safe working environment.

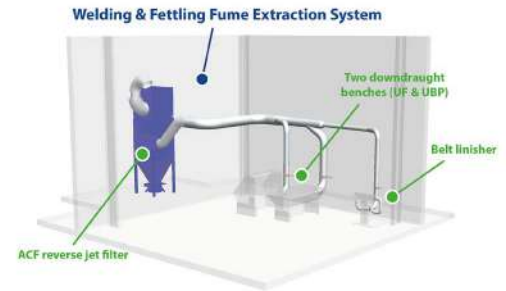
Additionally, an Impact 2,000x1,000mm downdraught bench was provided for welding applications. This table is open on all four sides, offering excellent accessibility. The extraction outlet spigot can be positioned on either the right or left side to suit user requirements, and the table is equipped



with mild steel slats designed specifically for welding processes.

To enhance the system's filtration capacity, an Impact ACF-T 130H cyclonic filter was installed. This unit combines cyclonic and cartridge filter technologies with a fully automatic compressed air cleaning system. It features a 72L dust collection bin and flame-resistant G105 cellulose/polyester filter cartridges. The equipment is finished with a powder-coated enamel coating for durability and includes an 11kW backward-curved centrifugal fan housed in an acoustic enclosure to minimise noise levels.

The system was commissioned by one of Impact's P601/P604-certified technicians, ensuring it met the required standards. Full documentation and a



commissioning report were issued in accordance with HSG 258 – Controlling Airborne Contaminants at Work. This installation highlights Impact's commitment to delivering efficient, safe, and regulation-compliant systems for industrial applications.

**You have a responsibility to protect your team, for your tailored solution, contact Impact's technical sales team at: 0116 2448855 or email: enquiries@impactts.co.uk.**



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# Gundrilling Cell with Flexible Automation

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The UNISIG 4-Spindle Gundrilling Cell with flexible automation simplifies rapid parts gundrilling. This system employs two UNISIG UNE20-2-1000-CR dual-spindle gundrilling machines, enabling 4x drilling of one part or 2x drilling of two different parts quickly and efficiently. These machines can drill up to 20mm diameter holes to a maximum depth of 1,000mm, while counter-rotating the workpiece for maximized hole concentricity.

In this cell, a 6-axis robot picks two parts at once to load or unload, utilizing dual parts staging stations to maximize spindle uptime. Laser verification technology assists the robot's use of dual sets of pallets. UNISIG's Automated Cell Controller (ACC) centralizes the controls for both machines, and a moveable inspection station allows for on-call part inspection. Variations of this manufacturing cell can be configured as needed.

The versatile UNE standard gundrilling machines balance high-performance components with a lower overall investment, making it easy for machine shops to bring their deep hole drilling operations in-house. Machine models have maximum drilling diameters ranging from 12 to 40mm and depths up to



3 meters, with the horsepower and coolant control to efficiently run indexable, brazed or solid carbide gundrills.

Twin spindle UNE machines can be configured as independent spindles,

allowing two drilling operations to be run on a single machine. Available counter-rotation of cylindrical workpieces minimizes hole drift and ensures drilling accuracy. Engineered for automation, these precision deep hole drilling machines bring next-level productivity to any shop floor. UNISIG UNE manufacturing cells with flexible automation combine precision, repeatability, and reliability for an unbeatable machining resource.

UNISIG applies decades of engineering expertise to create deep hole drilling solutions specific to its customers' requirements. Browse: [www.unisig.com](http://www.unisig.com) to learn more about the realm of possibilities.

**Link:** <https://unisig.com/news-and-events/technical-articles/gundrilling-cell-with-flexible-automation>

**Further information on all machines of the UNE series and the complete UNISIG machine program is available at: [www.unisig.de](http://www.unisig.de) or follow the company on LinkedIn and Twitter (@UNISIG).**





# How pallet live storage keeps grocery store shelves supplied

An innovative Pallet Live Storage installation can play a key role in supporting grocery retailers as they strive for market leading growth, according to Edward Hutchison, Managing Director of BITO Storage Systems.

Providing up to 50% more storage capacity than traditional racking on the same footprint, a Pallet Live Storage (PLS) system can contribute significantly to accommodating sufficient stock to help grocery retailers meet growing demand.

Supporting a retailer's need to maintain customer service in tandem with achieving sales growth is one of the biggest challenges placed on a distribution centres (DC), particularly when it comes to handling the sheer volumes involved and fast turnaround required by everyday bulk stock lines, such as soft drinks.

Pressure intensifies when these lines experience peaks, such as during a hot summer – particularly in large cities or on the coast. If one store runs out of soft drinks on a very hot day, there's a good chance that others in the region will experience a similar issue. All will want more but storage limitations mean there's a chance that not every store will get the amount they require, which will impact negatively on the grocery retailer's level of customer service.

Maximising the amount of storage that can fit within the constraints of a DC, to provide



efficient order fulfilment for retail stores, will help to avoid such situations. For those grocery DCs that need greater flexibility to meet a variety of demands from customers within a limited space, PLS offers a dense storage and order picking system that contributes to innovative, efficient and agile grocery logistics operations. On a relatively small footprint, pallets can be located 'in the air' on several levels of inclined roller lanes, with delivery lanes for pallet loads of bulk stock lines – such as soft drinks – on the ground floor. This provides dense storage and rapid access to orders.

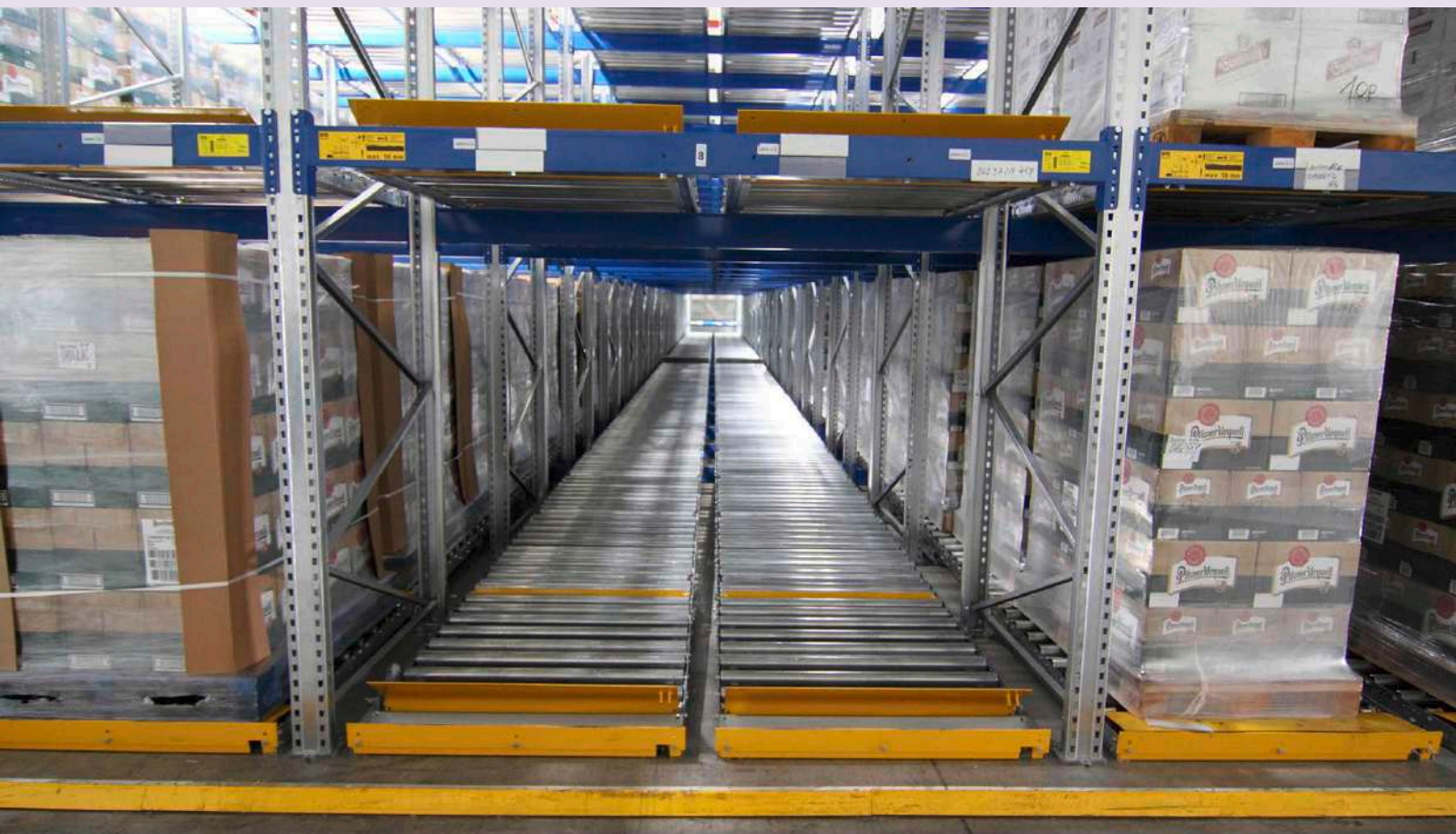
The flexibility in such a design allows products that need to be sent immediately to stores to be picked directly from the flow

lane and transported to Goods Out. If the ground floor delivery lanes are getting close to empty, then stock stored in the lanes above can be brought down and pushed through to the other side of the lane for order pickers to continue their pick.

Operating on the FIFO (First In First Out) principle, PLS ensures product rotation, which is important for grocery store replenishment, ensuring the first product sorted by the 'best before' date is picked. A further benefit is that PLS can accommodate seasonal items on the flow lanes in the upper levels, allowing the grocery DC to take advantage of quiet time to get those products out to stores early.

Gaining the capacity to stock items in sufficient quantities to avoid running out, thus allowing the DC to react on customer demands quickly and deliver straightaway irrespective of the amount ordered by a store, even when bulk products hit, peak makes the investment in PLS well worth it. A PLS system supplier with an experienced team of experts should be able to work closely with the client to develop competitively priced, customised solutions and work around existing operations to deliver projects on time.

For further information on pallet live storage, please visit: [www.bito.com](http://www.bito.com)





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