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CONCRETE
FEATURE

Global News & Information on the Quarrying,
Recycling & Bulk Materials Handling Industries

July/August 2026 | Issue 99



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The logo for Tyrone International Ltd features the word "Tyrone" in a large, white, sans-serif font, with a stylized globe icon integrated into the letter "o". Below "Tyrone" is the text "INTERNATIONAL LTD" in a smaller, white, sans-serif font.

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Proven Performance, High Throughput and Versatility...



Down to Earth Recycling Invests in New Doppstadt AK 565 K

Down to Earth Recycling Ltd., based in North Lincolnshire, has strengthened its recycling fleet with the addition of a new Doppstadt AK 565 K, supplied by Doyle Machinery.

A long-standing user of Doppstadt equipment, the company selected the AK 565 K for its proven performance, high throughput and versatility across a wide range of green waste, biomass and recycling applications. Renowned for its robust construction and operator-friendly design, the machine is built to deliver reliable productivity in demanding processing environments.

Andrew Millson of Down to Earth Recycling commented: "From our very first conversation in December, working with Doyle Machinery has been a pleasure. The entire process was seamless, communication was outstanding throughout, and Patrick King and Michael Doyle ensured everything was managed professionally from beginning to end. We are thrilled with the new Doppstadt AK 565 K and look forward to collaborating with the team again in the future."

The new machine will play an important role in supporting Down to Earth Recycling's continued growth while maintaining the high standards of efficiency and service the business is known for.

Everyone at Doyle Machinery would like to thank Andrew, Gary and the entire Down to Earth Recycling team for their continued confidence in both Doppstadt and Doyle Machinery. We wish them every success with their new AK 565 K and look forward to supporting the business for many years to come.

If you're looking to improve your recycling operation with the proven performance of the Doppstadt AK 565 K, get in touch with the team at Doyle Machinery. We're on hand to discuss your requirements and help you find the right solution for your business.



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Doppstadt Dealers for the UK and Ireland

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Welcome to issue 99

In this fourth issue the team at Hub-4 present you with another bumper edition reporting on the latest news from the Quarrying, Recycling & Bulk Handling Industries, including a preview on the forthcoming RWM Exhibition alongside a Concrete feature.

Marketing in the second half of 2026:

If you're looking at marketing in the second half of 2026 our media file with feature list can be found here, either PDF download or page flip version: <https://hub-4.com/pages/advertise-with-us>

Electronic advertising is also available on the website and on the weekly e-newsletter which is distributed to our readers which is on-line here: <https://hub-4.com/pages/newsletter>

Our increasingly popular social media packages are also available across all our X, Facebook & LinkedIn pages all of which can be linked with electronic web and e-newsletter advertising – why not enquire about our extremely competitive packages.

Finally, our fifth edition of 2026 will be our 100th edition and focus on MRF's and associated equipment; for any of these topics I welcome any editorial contributions.

John Edwards
Editor

September | October



MRF'S & RECYCLING PLANT ANNUAL REVIEW -

MRFs, Shredders, Balers, Metals Recycling, IBA plants, biomass plants, autoclaves, picking stations, hoppers, conveyors, magnetic separation, eddy current separators, air separation, optical & robotic separation, forklifts & telehandlers, compactors, crushers, screens, spare parts, material handlers, bulk storage bays, weighbridges, belt weighing, dust suppression, wear parts, wind shifters.

QUARRYING - Open topics for this issue.

BULK HANDLING - Open topics for this issue.

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Leading the Future of Soil Remediation: Tyrone International Delivers North America's First Mobile Soil Washing Facility for Headlands Environmental

In an era where sustainable construction and environmental responsibility are no longer optional but essential, Tyrone International has once again demonstrated its industry leadership with the successful design, engineering, manufacture and installation of a state-of-the-art soil washing facility for Headlands Environmental in British Columbia, Canada.

This landmark project represents a step change in how contaminated and excess soils are processed across North America. As the continent's first mobile soil washing facility, the plant is not only a technological breakthrough, but a powerful case study in how innovative engineering can transform environmental challenges into long-term economic and operational opportunities.



A Vision for Sustainable Soil Management

The project originated from a clear industry need: infrastructure and development activity across Canada continues to generate vast volumes of contaminated and excess soils, placing growing pressure on landfill capacity and environmental compliance frameworks.

Recognising this challenge, Headlands Environmental set out to develop a more sustainable solution - one that would reduce waste, recover value from materials and future-proof their operations in a rapidly evolving regulatory and environmental landscape.

Working in close collaboration with their Canadian dealer Frontline Washing Systems, Tyrone International was selected to deliver a fully integrated solution. The project drew on both Tyrone and Frontline's expertise across aggregate processing, soil decontamination and advanced water treatment systems, ensuring a truly end-to-end wet processing facility.

Engineering a First-of-Its-Kind Solution

At the heart of the installation is a mobile aggregate washing system engineered by Tyrone International to meet the specific requirements of large-scale remediation projects.

Designed with flexibility in mind, the complete plant can be assembled on any site in a matter of weeks and takes the concept of plug and play to a new level. All the main components are assembled, wired and tested prior to dispatch which minimises the installation and commissioning period on site. Therefore, the entire system can be relocated efficiently if project requirements change. The mobile wash plant incorporates several patented technologies which allows easy transport and rapid deployment on site.

This adaptability is central to its value proposition. Unlike traditional static facilities, the mobile system enables Headlands Environmental to deploy high-performance soil washing technology directly where it is needed - supporting infrastructure, industrial and construction projects across British Columbia and beyond.

The plant operates as a closed-loop system, integrating washing, classification and water treatment into a single cohesive process. This ensures maximum material recovery while minimising waste, water usage and environmental impact.

Advanced Processing and Material Recovery

Soil washing is a proven remediation technology that separates reusable sand, stone and aggregates from contaminated or excess soils. The process is based on the principle that contaminants tend to bind to fine particles such as silt and clay, which can be separated from the coarser, reusable fractions.

Through a combination of screening, washing, classification and dewatering, the Tyrone International system transforms previously unusable waste into valuable construction materials. Clean sands and aggregates are recovered and reintroduced into the supply chain, while contaminants are concentrated into a smaller volume for further treatment.

The scale of the facility highlights its impact. Operating continuously, it is capable of processing significant volumes of contaminated soil and achieving high recovery rates, generating substantial quantities of reusable aggregate each year and dramatically reducing reliance on landfill disposal.



Integrated Water Treatment Excellence

A critical component of any soil washing operation is water management, and this is an area where Tyrone International's expertise is particularly evident.

The facility incorporates a sophisticated water treatment system designed to recycle and reuse process water within a closed-loop circuit. This approach not only reduces freshwater usage but also ensures compliance with increasingly stringent environmental regulations.

Industry-leading filtration technology, including clarification systems and filter presses, enables the separation of solids from process water, producing dry, manageable filter cakes while returning clean water back into the washing cycle.

This fully integrated approach to water treatment reflects Tyrone's holistic engineering philosophy - delivering not just a wash plant, but a complete environmental solution.

Delivering Environmental Impact

The environmental benefits of the project are significant and far-reaching. By diverting contaminated soils from landfill and enabling on-site treatment and reuse, the facility plays a vital role in advancing circular economy principles within the construction sector.

Recovered materials can be reused in infrastructure projects, reducing the demand for virgin aggregates and preserving natural resources. At the same time, reduced transportation requirements lead to lower carbon emissions, further enhancing the sustainability profile of the operation.

Additionally, soil washing technology helps to mitigate environmental risks associated with contaminated land. By removing pollutants such as heavy metals and hydrocarbons, the process restores soil quality and contributes to safer, more sustainable land use.

Supporting Communities and Long-Term Growth



Beyond its technical and environmental achievements, Tyrone International and Frontline Washing Systems are proud to have successfully completed the project which delivers tangible economic and social benefits. Developed in partnership with Shxwhá:y Village, the facility supports local employment, training and economic development, reinforcing the importance of collaboration in delivering sustainable infrastructure solutions.

For Headlands Environmental, the investment represents a strategic move to future-proof their business. With infrastructure investment continuing to grow across Canada, the demand for compliant, sustainable soil management solutions is set to increase significantly in the coming years.

By adopting Tyrone International's mobile soil washing technology, Headlands is ideally positioned to capitalise on this demand - offering scalable, high-performance remediation services that align with evolving environmental standards.

Tyrone International: Engineering Leadership in Action

This project reinforces Tyrone International and Frontline Washing Systems position as an innovative leader in aggregate processing, soil decontamination and water treatment plant solutions.

By combining future-proofed design, robust engineering and practical operational insight, Tyrone continues to deliver systems that not only meet today's requirements but anticipate the challenges of tomorrow. From mobile, modular and static wash plants to advanced water treatment technologies, the company's solutions are engineered to maximise efficiency, minimise environmental impact and deliver long-term value.

The Headlands facility stands as a testament to what can be achieved through collaboration, innovation and a commitment to sustainability. It is more than just a wash plant - it is a blueprint for the future of soil remediation.

A Blueprint for the Future

As the construction and environmental sectors continue to evolve, the need for sustainable, scalable solutions will only intensify. Projects like this demonstrate that with the right technology and expertise, waste can be redefined as a resource, and environmental challenges can become opportunities for growth.

For Tyrone International and Frontline Washing Systems the successful delivery of this first-of-its-kind facility marks another milestone in their united journey for innovation. For Headlands Environmental, it represents a bold step forward in securing a resilient, future-ready business model.

And for the wider industry, it sets a new benchmark - proving that sustainable soil management is not just achievable, but commercially viable and operationally transformative.





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Astec ambition shines bright in the Hillhead 2026 sunshine



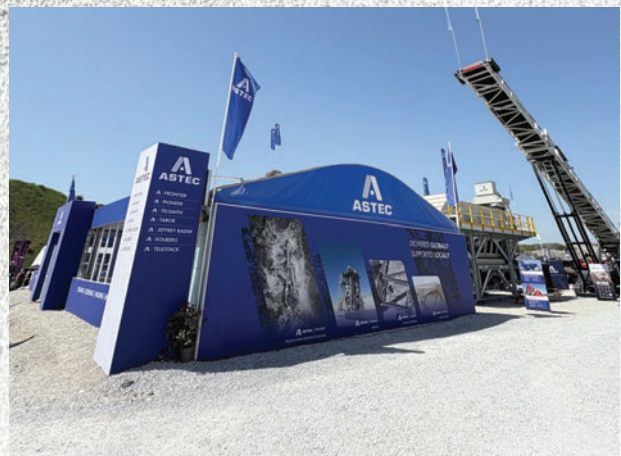
With eight new products and patented technology innovations spread across two large stands and in the 'Crusher Alley' Rock Processing Demo Area, Astec made a big statement at Hillhead 2026 with its ambitious growth plans in Europe and the rest of the world, built on its rich 150-year engineering history.

At Astec's Day 1 exhibition press conference, attendees heard that the company's new product line is focused on innovation and application. This includes new washing plants, material handling equipment, screening technology, and mobile crushing and screening units. The eight products on show at Hillhead 2026 (23-25 June) are among more than 20 that will enter the quarrying, roadbuilding, construction, and recycling markets over the next two years.

The Astec senior management team panel of Jaco Van Der Merwe, CEO; Michael Norris, Group President Materials Solutions; Damian Power, Managing Director, Astec Europe; Stephen Whyte, Vice President, Product Management; and Malachy Gribben, Vice President, Channel Management stressed how the company's investment in its Omagh, County Tyrone, Northern Ireland, facility has established a strong European footprint, enabling local manufacturing of the new Frontier range of tracked crushing and screening units unveiled at Hillhead 2026.

"We are global but local in Europe," said Damian Power. "We have 230 people in our Omagh facility, across manufacturing, engineering and product support. We now have a critical mass for product support and parts and service in the European region. This facility was built with expansion in mind, offering a runway for growth over the next five years."

Astec differentiates itself through unique product features, including its patented Multi-Frequency Screen, which addresses blinding issues, and its new patented Vari LPV screen, which represents next-generation technology.



Stephen Whyte said, "If you look around some of the products here, there are not many companies in our industry that have the level of NPD [New Product Development], either completed in recent years or ongoing, that we do."

Further emphasising how Astec stands out in a highly competitive crushing and screening solution marketplace, Jaco Van Der Merwe said, "Customers buy the whole team, not just the equipment. That includes the dealer network, some of whom we have here, who are among the best people in the industry. We are a parts and service business that sells equipment, and if we provide that to our customers, the features and benefits you see on every other machine [at Hillhead 2026] become a whole lot less important." >

During the press conference, attendees heard Jaco Van Der Merwe highlight that Astec, a major U.S.-headquartered off-highway equipment manufacturer with a 4,500-strong global workforce, is actively pursuing growth in Europe through organic development and strategic acquisitions, leveraging a strong balance sheet. Astec's CEO said the company's acquisitions will focus on areas within its core business, such as crushing, asphalt, and concrete equipment, to bolster its European platform.

Jaco Van Der Merwe and Stephen White explained how customer needs are evolving towards lower cost per tonne, driven by challenges such as labour shortages and rising fuel and energy costs. Astec is responding with more efficient equipment, digital telematics-based platforms for remote monitoring and predictive maintenance, and a focus on energy efficiency. The Signal connectivity suite from Astec Digital delivers seamless communication and monitoring across all customer plant and mobile assets, generating actionable insights to boost efficiency, productivity and profitability.

"If you look at our Signal platform, you can compare it to the Apple environment, with your MacBook, your iPad and your iPhone, which are all working in the same connectivity suite. A lot of our customers work across the aggregates, asphalt, concrete, and paving spaces, and we can provide them with a digital resource to drive their businesses," explained Michael Norris.

At the Hillhead 2026 press conference, attendees heard how Astec is integrating AI and automation across its operations, from product development (predictive maintenance,



autonomous breakers) to business processes (energy efficiency calculators, AI-driven vision systems for asphalt plants). Jaco Van Der Merwe highlighted Astec DropZone, an intelligent, AI-powered load-out safety system designed to streamline asphalt delivery and prevent costly misloads. It replaces manual silo loading by utilising computer vision to precisely verify truck positioning beneath the silo, safeguarding both drivers and equipment. The press conference heard how Astec is also investing in training its leadership in AI.

As Astec's senior management team emphasised, the company's Hillhead 2026 showcase focused on solving real operational challenges by reducing downtime, improving throughput, and lowering cost per tonne.

As well as Hillhead 2026, marking the European launch of the new Frontier tracked mobile crushing and screening range, built for flexibility, fast setup, and high-performance production in demanding hard rock environments, Astec staged the global launch of the Kolberg Washing brand and featured the Eco-Scrub modular washing solution, delivering wet processing with a design especially suited for semi-mobile locations. The exhibition launch of Astec's Modex brand, displaying the patented Vari-Frequency Technology, which minimises binding and maximises output, was showcased on Astec Modex's Pioneer 6203LPV horizontal screen. Proven for over two decades on tough materials and unveiled in Europe at Hillhead 2026, Astec's Multi-Frequency Screen is available on tracks, wheels or static, and notably reduces blinding even with sticky materials. In certain applications the product can produce manufactured sand from CRF (Crushed Rock Fines) without washing and turn quarry scalplings into saleable products. It is also well-suited for RAP (Reclaimed Asphalt Pavement), topsoil, compost, and skip waste fines.



Celebrating 25 years Astec's Telestack brand was also well represented at Hillhead 2026, with the worldwide launch of the LF527 low feed hopper, which reduces double handling and ensures smooth, controlled material flow, and the TCL 1031 Zero, a heavy-duty stacker engineered to handle high tonnage reliably and efficiently. Furthermore, 'Crusher Alley' attendees watched Astec's Frontier JA45 Mobile Jaw delivering consistent, high-output crushed aggregate to the Frontier SDF16 Mobile Scalper, resulting in multiple products with peerless flexibility.

Astec recently appointed Red Knight 6 (England and Wales) and O'Kane Equipment Solutions (Scotland and Northern England) as its official GB distributors for the new Frontier tracked crushing and screening brand. The press conference heard how both distributors bring deep industry knowledge and strong customer relationships, making them ideal partners for Astec and its globally recognised engineering and UK-manufactured equipment.

Commenting on Astec's approach to growing its European distributor network, Malachy Gribben said, "You walk around this quarry [at Hillhead 2026] and see line after line of crushing and screening plant. We invested a lot of time and effort talking to the European market and industry stakeholders, including end users and potential dealers, and asking, 'What's going on in your world and where do you see things going?' One very consistent message was that those stakeholders were seeing less and less differentiation in the

market. Like everything else, when you're buying a crusher or a car, you want choice. We quickly realised that if we could offer a proven and credible alternative, not just on the product side, but also in parts and service, and a team that truly walks in the shoes of the customer, we would stand out."

Asked about what Red Knight 6 and O'Kane Equipment Solutions will bring to Astec's offer to UK customers, Gribben responded, "Although the announcement has been made within the last couple of months, we have been working closely together for the last couple of years. Their strong relationships with customers and within the wider industry are clear, and they have a similar outlook to ours."

Stephen Whyte added that, as part of its wider company development programme, Astec works with customer and dealer advocacy groups worldwide to ensure its product and service offerings meet market needs.

Speaking from the press conference attendee floor and responding to a question on whether Astec still had gaps in its product and linked technologies range, Paul Donnelly, managing director of Red Knight 6, said, 'It's the others [OEMs] that have gaps. Kieran [O'Kane, MD O'Kane



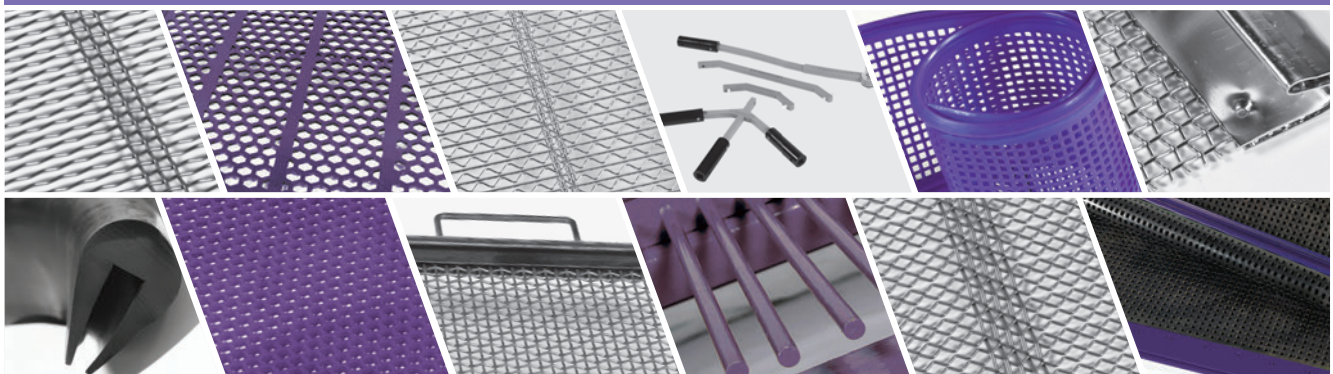
Equipment Solutions] and I both have 30 years in the industry and have lived with some many changes and false dawns. With the technologies Astec have, such as the Multi-Frequency Screen, we've been testing it here in the UK, and Astec is doing things others can't. It's exciting for us as dealers. Equipment costs have risen significantly, customers are not getting much more money for the material they are extracting from the ground, so equipment now has to last five or six years, when before it was financed in a three-year cycle. Quality build and innovation is why Astec is the partner we want to work with."

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The Wirtgen Group wows at Hillhead UK 2026

Strong interest in comprehensive solutions for material processing and road construction...

At Hillhead 2026, under the trade fair motto "You'll never crush alone", the Wirtgen Group presented itself as a strong partner for material processing and road construction. In particular, the five Kleemann crushing and screening plants and the battery-powered production system for locally CO₂-free road rehabilitation attracted numerous trade visitors.



The MOBICAT MC 110 EVO2 from Kleemann is suitable for the primary crushing of almost all natural rock types, as well as for numerous recycling applications.



The Wirtgen Group production system for locally emission-free construction sites not only ensures compliance with the strict emission limits that apply particularly in urban areas, but also boosts profitability.

High-performance technologies for material processing

There was particular interest in the MOBICAT MC 110 EVO2. In addition to benefits such as its intelligent operating concept, high efficiency and flexible applications, the jaw crusher – with its special wrapping that echoed the trade fair's theme – also provided visitors with a visual highlight. Another highlight was the fully electric, locally emission-free asphalt recycling production system, comprising the MOBIREX MR 100 NEOe impact crusher and the MOBISCREEN MSS 502 EVO coarse screening plant.



Many visitors showed an interest in the Wirtgen Group's machinery and technologies.

Screening plants such as the MOBISCREEN MSS 802 EVO and MSC 702 EVO rounded off the range of high-performance, versatile Kleemann equipment for material processing on display in Buxton.

Locally emission-free solutions for road construction

Urban road construction is characterised primarily by small-scale jobsites aimed at upgrading existing infrastructure. The battery-powered road resurfacing system has now made its debut on the UK market as well. With the Wirtgen W 50 Re cold milling machine, the Vögele SUPER 1300-5e road paver and the Hamm HX 70e tandem roller, it proved to be a crowd-puller and impressed with its comprehensive, locally carbon-neutral approach. Solutions from a single source also ensure a high level of operational reliability and seamlessly integrated processes across machine and telematics solutions. Similarly, the MULTI JET burner from Benninghoven attracted a great deal of interest and was seen as a milestone in sustainable asphalt production. With the world's first burner for asphalt mixing plants that can be powered entirely by green hydrogen, the drying and heating process for virgin and recycled materials is now CO₂-free.

Renting rather than buying

Specifically for the machine hire sector, the Wirtgen Group exhibited two rollers from compaction specialist Hamm – the new HD 12 G VV 2.7 tonne tandem roller and the versatile HC 70i VIO roller, which is capable of both compaction with vibration and compaction with oscillation.

Digital solutions as a topic of conversation

The focus was also on the application expertise of the specialist product brands Wirtgen, Vögele, Hamm, Kleemann, Benninghoven and Ciber, as well as the comprehensive customer service and digital solutions offered by the Wirtgen Group. The experts on-site provided in-depth information on topics such as Jobsite Intelligence and Smart Automation. Jobsite Intelligence means making better decisions in the application using reliable data and better information. Smart Automation is all about maximising performance and precision through assistance and automation features. Solutions such as Smart Level Pro, Smart Pave, Smart Compact Pro, AutoPilot 2.0, SPECTIVE CONNECT, etc. enable even less experienced machine operators to achieve results that were previously the preserve of experts. This results in greater precision, reduced reworking, more efficient use of materials and, overall, a higher standard of workmanship.

"Hillhead 2026 has once again demonstrated just how important close technical dialogue with our customers is," said Paul Holmes, Managing Director of the Wirtgen Group subsidiary Wirtgen Ltd. in the UK, summing up the successful trade fair appearance. "The positive discussions we had on-site have shown that our holistic approach – thinking within the context of our customers' production systems – offers them real added value in addressing their challenges."

ProSpare's Bulk Team celebrate 10 years of improving conveyors at Hillhead 2026



Hillhead is the UK's largest quarrying, construction, and recycling equipment exhibition. Held every two years in a working quarry, the show brings together 600 exhibitors and nearly 20,000 visitors over three days. This year, as part of ProSpare's presence at the show, they marked the 10th anniversary of the Bulk Materials Handling Division - which made its debut at Hillhead 2016, and has gone on to improve the performance of thousands of belt conveyors throughout UK.

Bulk Materials Handling Specialists

First launched at Hillhead in 2016, ProSpare's Bulk Materials Handling Division has been improving belt conveyor performance and safety for a decade with leading high-performance cleaning, tracking, and sealing equipment including STARCLEAN®, CenTrax and SealTek.

Since the Division's debut in 2016, they've grown to an 11-strong team with 7 expert service engineers, have sold in excess of 2,500 STARCLEAN® belt cleaner units across the UK, and have been recognised for excellence at both the MPA Health & Safety awards and Tarmac Innovation Challenge.

Hillhead 2026 - Celebrating 10 years of conveyor improvements

On the first day of Hillhead 2026, ProSpare held a 10th anniversary celebration for the Bulk Materials Handling Division – named BULK TEN. To mark the occasion, they

shared specially branded beer and cupcakes with visitors, amongst many other giveaways and live demonstrations of equipment.

Pictured below are ProSpare Directors James, David and Tom Bullock. Alongside Bulk team members, including General Manager Danny Smith, Project Co-ordinator Jan Hajkowski, and three members of the Service Engineering Team, with Manager Alan Bryan, mainstay of the team David "Bunto" Huntington, and latest recruit Micky Eccles.



CEO, James Bullock, commented: "Through both ConSpare and ProSpare, we have a long history of working with leading equipment and component manufacturers worldwide to bring the best products to the UK. After listening to our customers for decades, we understand the key problems they face. Conveyors were often reported as one of the biggest problem areas on plants, so in 2016, we established our Bulk Materials

Handling Division, and we're delighted with the positive impact that it has made within the industry.

As part of the occasion, my son, Tom, is also celebrating 10 years with the company this year. In his first few years with the business, he played an important role in getting the Bulk Division set up, so it was great to be able to share in the celebration with him."



ProSpare Directors alongside members of the Bulk Materials Handling Division

David Bullock, Managing Director, echoed James' comments:

"We're immensely proud of how far this Division has come in 10 years; we're fast becoming first-choice for many looking to improve the performance of their conveyors. Danny Smith, who now heads the Division, has done an amazing job leading this great team from strength to strength, and we can't wait to see where we'll be in another 10 years."

Always looking forward - introducing STARCLEAN® HD

Although the Division has 10 years under its belt, it's always looking to bring the latest developments to UK clients, the latest of which was debuted at Hillhead 2026 – the STARCLEAN® HD range.

The HD Heavy Duty range takes all of the innovative features from STARCLEAN®'s blade and tensioner technology, and scales it up to meet the demands of the most challenging large-scale conveyors. For example, the 481 polyurethane blade from the HD range is 3.5 times the size of the equivalent from the standard STARCLEAN® range. This robust design makes it perfect for demanding applications, large belts and those carrying the highest tonnages – with less frequent adjustments required on these critical belts.

Although new to the show, ProSpare is pleased to report that the range is already performing well across several projects in UK.



STARCLEAN® HD Heavy Duty Range at Hillhead 2026

For more information, contact ProSpare Ltd - www.prospare.co.uk

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Processing specialists: The Terminator xtron and Equalizer by Komptech

With the Terminator xtron and Equalizer shredders, Komptech offers high-performance machines for the shredding of commercial, bulky and household waste. These tough shredders facilitate the effective processing of industrial waste, and are ideal for producing high-quality refuse-derived fuels.



In the conventional thermal reclamation of commercial and industrial waste, much potential goes unused. There is a need for technologies that can properly process these materials – and this is where Komptech's flexible solutions come in. With its new Industrial division, Komptech meets the challenge by providing high-performance machines like the Terminator xtron and the Equalizer. These dependably cope with the most varied kinds of waste, turning even difficult commercial and industrial fractions into valuable resources and readily usable refuse-derived fuels. These are two tough shredders that turn waste into value.



Terminator xtron: Appetite for all types of waste

The multitalented, low-speed single-shaft Terminator xtron shredder lives up to its name – “X” for cross-functional and “tron” for strong. With its extremely versatile shredding unit with aggressive drum teeth, and its powerful hydraulic system, this mobile shredder easily handles even difficult waste. It can be set to produce different grain sizes thanks to the adjustable cutting gap between drum and counter comb, plus tool-free adjustable comb elements, making this shredder flexible when it comes to the degree of shredding. Coming soon is also an optional screen basket system for special applications. With 460 hp and a hopper volume of up to seven cubic metres, the Terminator xtron is the powerful preshredding solution for demanding recycling and disposal processes.



Equalizer: All-electric precision

The Equalizer premiered at IFAT Munich 2024 and went on the market in 2025. This all-electric single-shaft shredder chews through commercial waste, mixed materials and waste wood efficiently and accurately, with impressive throughput. Equipped with a precision-cutting shredding unit and designed for grain sizes from 60 to 150 mm, it generates a particularly homogeneous output, ideal for producing medium-caloric refuse-derived fuels. The integrated cooling system ensures dependable performance even during intense use, and the screen baskets can be changed quickly and without tools. Thus, the Equalizer is always ready to work, even when requirements change.



Komptech: User-friendliness at the highest level

Like all Komptech machines, the Terminator xtron and Equalizer feature high user-friendliness, intuitive operation and simple maintenance. Easily accessible components make maintenance convenient, while digital assistance systems like Connect! condition monitoring help maximize machine utilization and keep all the important parameters in view. All this makes it easy to turn waste into valuable resources.

Summary: The Terminator xtron and Equalizer are Komptech's powerful answers to the growing challenges of modern waste treatment. Both shredders combine excellent performance with intelligent technology, and handle even difficult materials efficiently and flexibly. They output valuable resources like high-quality refuse-derived fuels, for maximum productivity and economy.

Further information:

Terminator xtron: <https://www.komptech.com/en/products/terminator-xtron-mobile/#/>

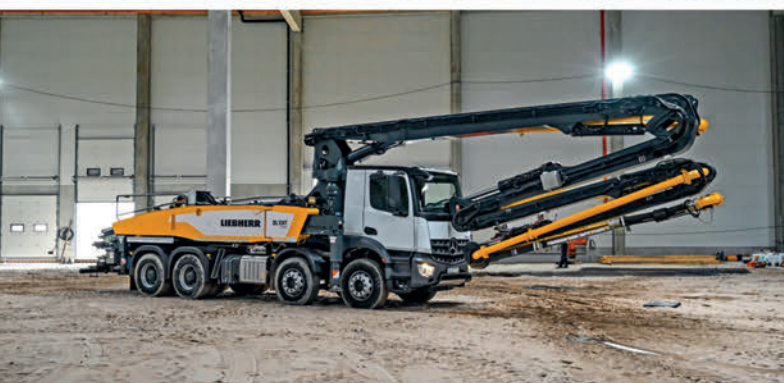
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Delivering beyond the sale

Ulrich Attachments' sales director Josh Copeland believes that the relationship with a customer truly begins after the initial purchase.

As sales director at Ulrich Attachments, I've seen first-hand that supplying a quality attachment is only part of the job. The service and support that follow are just as important in building long-term customer relationships.

You can manufacture a high-quality, reliable product but if the process of arranging servicing, ordering spare parts or carrying out routine maintenance is inefficient, it can quickly undermine the customer's confidence. In my experience, the overall ownership experience plays a significant role in whether a customer chooses to work with a manufacturer again.

This isn't just about good customer service—it's also good business. Research has shown that increasing customer retention by just 5% can increase profits by at least 25%, while the likelihood of selling to an existing customer is between 60% and 70%, compared with just 5% to 20% for a new prospect.

That approach starts long before an attachment leaves the factory. A knowledgeable sales team should take the time to understand exactly how an attachment will be used, the environment it will operate in, expected duty cycles, and any application-specific requirements. Those conversations help ensure customers receive the right solution, rather than simply selecting a product from a catalogue.

Supporting customers doesn't stop once the equipment has been delivered. Providing practical maintenance advice, lubrication schedules based on usage, operator manuals and ongoing technical support all help maximise performance, extend service life and minimise downtime.

As Ulrich has brought together its design, engineering and manufacturing capabilities under one roof, we've taken the opportunity to review every aspect of our customer experience, including our after-sales support. It gave us the chance to challenge ourselves and ensure we continue to deliver on our belief that the successful delivery of a standard or bespoke attachment is the beginning of a long-term partnership.

Today, alongside UK manufacturing, we offer nationwide service support with experienced engineers who repair, maintain and refurbish attachments to keep equipment working safely and efficiently.

Whether replacing worn components, carrying out structural repairs or performing preventative maintenance, our objective is always to minimise downtime and maximise the working life of the attachment.

One recent example involved refurbishing a long-serving High Tip bucket rather than replacing it. The work included shot blasting, replacing pins, bushes, bosses, cylinders and hydraulic hoses, reinforcing key structural areas, fitting a new cutting edge and carrying out hydraulic testing. The result was a fully restored attachment delivered at a fraction of the cost of purchasing new.

To further reduce downtime, most replacement parts are available for next-day delivery and, where appropriate, we can provide temporary hire equipment while repairs or refurbishments are completed.



Our support extends beyond repairs and servicing. We also provide bespoke attachment design and manufacture, on-site attachment inspections, hydraulic hose replacement, welding and fabrication, hydraulic cylinder repairs, line boring, structural refurbishments, reinforcement work, installation services and extended warranty options.

Many customers tell us that responsive after-sales support and product reliability provide genuine long-term value. While purchase price will always be an important consideration, many businesses increasingly recognise that dependable support throughout the life of an attachment can have an even greater impact on productivity and operating costs.





Customer feedback has also highlighted another opportunity. Many end users weren't aware that, in addition to manufacturing attachments, Ulrich also operates a nationwide hire fleet. Hiring an attachment can often be a far more cost-effective solution than hiring an entire machine, particularly for short-term projects, seasonal demand or unexpected breakdowns.

In response, we've expanded our hire fleet to include a wider range of general purpose and High Tip buckets, suitable for applications across waste and recycling, aggregates, construction and agriculture. The fleet also includes a comprehensive range of manual quick couplers and pallet forks.

Alongside this, we're now offering fully refurbished ex-hire attachments for sale. Every attachment is refurbished at our Hull manufacturing facility, thoroughly inspected and supplied with warranty for added peace of mind.

Both initiatives have been developed directly in response to customer feedback, whether that's providing rapid access to hire equipment to minimise downtime or offering a cost-effective alternative through professionally refurbished attachments.

For us, delivering an attachment is never the end of the process, it's the start of a relationship. By combining quality engineering with responsive support, refurbishment, hire and technical expertise, we aim to help customers maximise the value of their equipment throughout its working life.

Ultimately, we believe the true measure of any manufacturer's after-sales support is the confidence customers have to return to you time and time again.

So how are we delivering on our pledge that the successful delivery of a standard or bespoke attachment is the beginning of a relationship with Ulrich? Don't take my word for it!

- "Plant quality is paramount to us, and Ulrich products are quality with service. With them, everything is done correctly and in a timely manner. They are our go-to supplier." **Mark Smalley, national fleet and plant manager, Valencia**
- "I have continued to purchase Ulrich Attachments as we have had good performance from them and the price is competitive. I have also had good support technically and from the sales personnel. We have used a mix of suppliers in the past and we do tender work and review costs and design before making a decision. But our service contact at Ulrich, Drew, is very helpful, and we have had a positive experience overhaul with them." **Lucy Ellis, project engineer (procurement) The Bristol Port Company**
- "Whilst our fleet is mixed depending on the operations, we like to stick with what we know and like, and we find that back-up and servicing is more important to us than anything. Ulrich has been great to deal with. They listen to us and work with us to iron out any issues we have, which is the peace of mind any customer needs from a supplier." **Dave Broster, commercial farmer**



Get More Metal Out: Smarter Separation for Higher-Value Recycling

At RWM, Bunting will show how a carefully staged separation circuit can protect plant, recover more saleable metal and improve the quality of recycled materials.

For recycling operators, metal is both a problem and an opportunity. Left in the wrong stream, it can damage equipment, reduce product quality, and send avoidable value to disposal. Recovered at the right point, it becomes a saleable commodity and helps create cleaner, more consistent outputs.

The first gains start with ferrous removal

The most effective separation strategies begin by removing tramp and free ferrous metal as early as practical. Suspension and overband magnets can be positioned above conveyors to lift steel from a moving burden, while magnetic head pulleys provide continuous extraction at the discharge point. These stages protect crushers, shredders, and screens, reduce unplanned downtime, and prepare the remaining material for more precise downstream separation.

Where material characteristics, burden depth, or throughput make the application more demanding, the magnetic system must be selected around the real process rather than a catalogue label. Field strength, reach, belt speed, installation height, and the shape of the feed all affect performance. A well-chosen first stage creates stable feed conditions that allow every later stage to work harder.

Recovering the non-ferrous value

Once ferrous metal has been removed, eddy current separation opens the door to valuable non-ferrous recovery. A high-speed magnetic rotor induces electrical currents in conductive particles, producing a repulsive force that throws metals such as aluminium, copper, and brass away from the main material trajectory. The result is a clean, continuous separation without physical picking.

Performance depends on more than magnetic intensity. Consistent feeding, a controlled burden depth, suitable particle size and a clear material trajectory at the splitter are all essential. When those conditions are designed into the line, an eddy current separator can turn a mixed fraction into distinct, marketable outputs and reduce the metal content carried into subsequent processing.

For finer or more complex fractions, electrostatic separation adds another route. By exploiting the different electrical behaviour of conductive and non-conductive particles, electrostatic separators can help recover metal from plastics and other mixed materials where colour, density or conventional magnetic response alone is not enough.

The stainless-steel challenge

Stainless steel is often one of the most frustrating losses in a recycling plant. Many stainless grades are only weakly magnetic, while shredding and work hardening can change their magnetic response. Fragments may pass conventional magnets and remain with the product, reducing quality and leaving valuable metal behind.

BUNTING AT RWM | STAND ME-E254



Self-cleaning overband magnets continuously remove ferrous metal from conveyed material. Image: Bunting

Bunting Stainless Steel Separators are designed to target this difficult fraction. Used after the main ferrous and non-ferrous stages, they can recover weakly magnetic stainless pieces that would otherwise be missed. The benefit is twofold: a cleaner end product and another concentrated metal stream for sale or further refining.

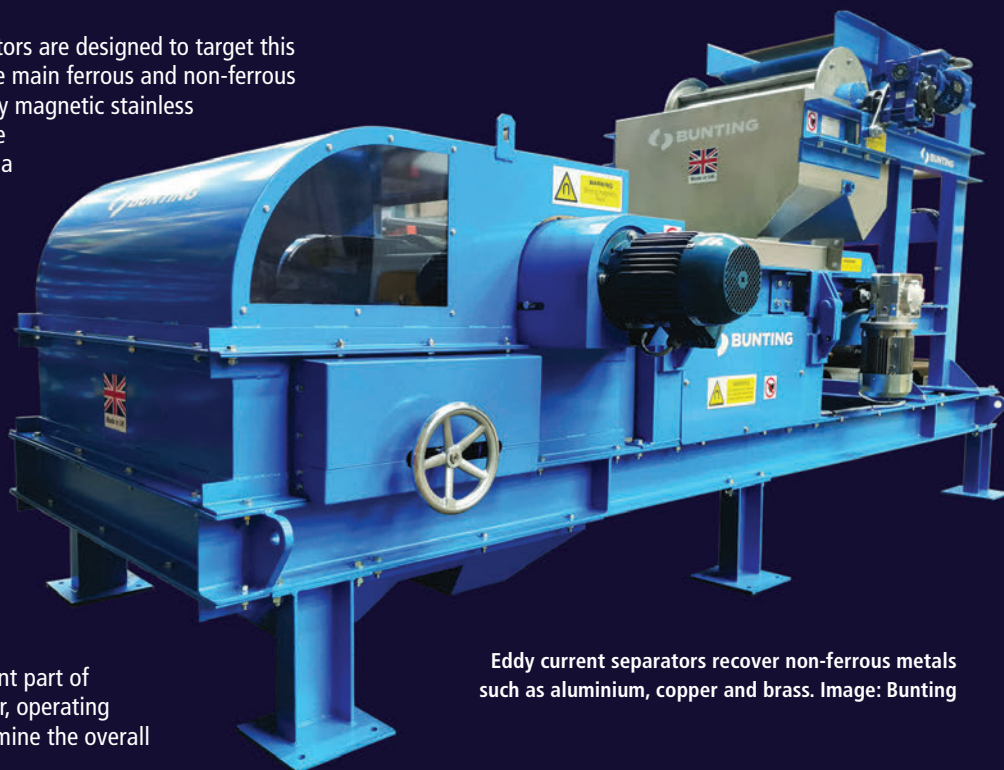
A separation circuit, not a single machine

The best results rarely come from treating each separator as an isolated purchase. Suspension magnets, magnetic head pulleys, electro drum magnets, eddy current separators, stainless steel separators and electrostatic systems each address a different part of the material stream. Their order, operating window, and interaction determine the overall recovery rate.

That is why the starting point should always be the application: feed composition, particle-size range, moisture, throughput, belt width, available space, and the specification required for each output. Understanding those variables makes it possible to identify where metal is being lost, where contamination is entering the process, and which separation stage will deliver the greatest return.

Meet the separation specialists at RWM

Bunting will be exhibiting at RWM on stand ME-E254, where the team will be available to discuss how magnetic, eddy current, stainless steel and electrostatic separation technologies can improve metal recovery and product purity. The conversation will focus on the practical details that determine performance and on identifying the most effective sequence of separation stages for each application.



Eddy current separators recover non-ferrous metals such as aluminium, copper and brass. Image: Bunting

Operators, plant designers and equipment manufacturers are encouraged to bring the facts behind their separation challenge: the material being processed, the metals to be recovered, typical particle sizes, throughput, current equipment and the quality target for the final product. Even when the answer involves more than one technology, the conversation can establish a logical separation sequence and the next steps for evaluation.

The message at RWM is simple: get more metal out, protect the plant, and turn mixed material into higher-value resources. Meet the Bunting team on stand ME-E254 or visit www.buntingmagnetics.com to start the discussion.



The Stainless-Steel Separator targets weakly magnetic stainless fragments that conventional magnets can miss. Image: Bunting



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Ulster Bank support helps drive growth at CK International



Paul Conlon, Chairman of CK Lyndex, said: "Bringing together the strengths of CK International and Lyndex Recycling Systems has created a business that is significantly stronger than either company could have been independently. The acquisition has unlocked opportunities that simply weren't available before, allowing us to expand our capabilities, enhance our product range, and better serve a much wider customer base."

"Ulster Bank has been a valued partner throughout this journey. The funding provided gave us the confidence and financial backing

Leading lender provides multi-million package of support to fund innovative firm to acquire and grow

A multi-million pound support package from Ulster Bank is helping Dungannon-headquartered engineering company CK International Ltd enter a new phase of growth including the acquisition and integration of an English business with more than a century of manufacturing heritage.

Ulster Bank refinanced the locally-founded firm and provided a mixture of debt and trade finance to allow the acquisition of Telford-based Lyndex Recycling Systems and to support working capital as the enlarged firm plans for expansion.

The acquisition brings together the engineering expertise of CK International, founded almost 30 years ago, with the quality-driven manufacturing heritage of Lyndex Recycling Systems, whose history spans more than 100 years.

The combined company is rebranding to CK Lyndex, maintaining the link to both success stories. CK Lyndex is a leading manufacturer and supplier of balers and compactors, providing waste handling and recycling solutions to customers across a wide range of industries around the world. The combined business has significantly strengthened its product offering, manufacturing capability and market reach, enabling it to serve a broader customer base and accelerate growth.

The company is now investing in the next stage of its development with the support of the Ulster Bank-provided trade loan, and is recruiting for a number of new roles to support continued expansion.

Danny McGivern, Senior Relationship Manager at Ulster Bank, said: "Supporting ambitious local businesses as they grow is a key priority for Ulster Bank. CK International had a clear vision for how the acquisition of Lyndex Recycling Systems would strengthen the business and create new opportunities for growth, and we were pleased to support that ambition."

"The successful integration of the two companies demonstrates what can be achieved with the right strategic investment. It's particularly encouraging to see the business now entering another phase of growth, creating new employment opportunities and building on Northern Ireland's, and Dungannon's, long-standing reputation for world-class engineering and manufacturing."



to complete the acquisition and support the working capital needs of the enlarged business. As a result, we're now in a strong position to continue growing, investing in the business and recruiting talented people to support the next chapter of our success."

The acquisition represents a significant milestone in the company's growth strategy, combining decades of engineering expertise and manufacturing excellence to strengthen its position in domestic and international markets.

CK Lyndex is a leading manufacturer and supplier of balers and compactors for customers across a wide range of industries. The business combines the engineering heritage of CK International, founded almost 30 years ago in Dungannon, with the manufacturing expertise of Lyndex Recycling Systems, whose history spans more than 100 years. The company supplies waste handling and recycling solutions to customers around the world.

RWM STAND ME-B274

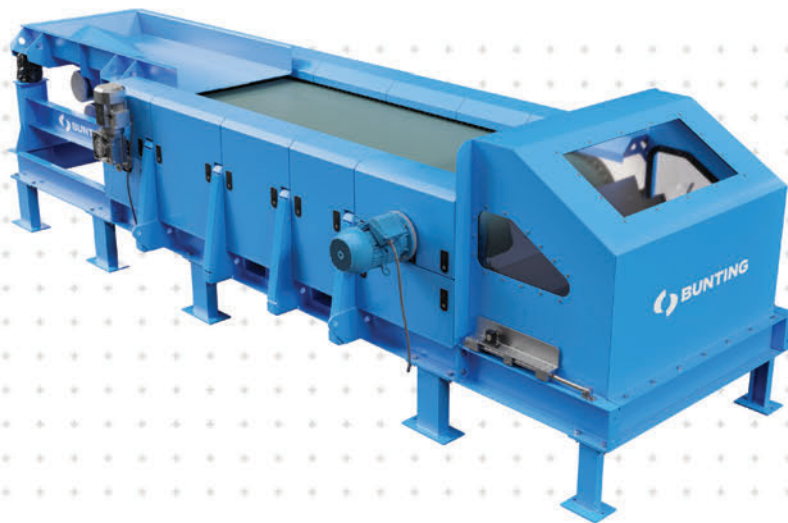


EXHIBITING AT
RWM 2026

RECOVER MORE. WASTE LESS.

Smarter separation for higher-value recycling.

From ferrous protection to non-ferrous and stainless steel recovery, Bunting separation solutions help recyclers improve product purity, protect processing equipment and recover more saleable metal.



EDDY CURRENT SEPARATOR



Overband Magnets

Ferrous metal recovery and equipment protection.



Stainless Steel Separators

Recovery of weakly magnetic stainless steel fractions.

MEET BUNTING AT RWM

www.buntingmagnetics.com

STAND ME-E254

Sany UK appoints E H Hassell as authorised dealer for Sany Material Handlers



SANY Heavy Machinery UK Ltd is pleased to announce the appointment of E H Hassell & Son as a new authorised UK dealer for SANY Material Handlers, further strengthening SANY's growing presence within the scrap, waste, recycling and ports sectors.

This new partnership marks an exciting milestone for E H Hassell & Son, who in 2026 celebrate their 51st anniversary, and reinforces their long-established reputation as one of the UK's most respected specialists in material handling solutions.

For more than 20 years, E H Hassell & Son have been a trusted dealer to the scrap, waste and ports industries, supplying material handlers that have set industry benchmarks for performance, reliability and long-term durability. The addition of SANY Material Handlers to their product portfolio further expands their offering with a globally recognised brand known for engineering excellence and innovation.

All SANY Material Handlers are supplied with an industry-leading 2-year / 4,000-hour warranty, with extended warranty options available for up to 5 years / 10,000 hours, offering customers additional peace of mind and long-term value.

As part of the dealer agreement, E H Hassell & Son will provide full sales, servicing and repair support for the complete SANY Material Handler range, ensuring customers receive expert backup throughout the life of their machines. In addition, Hassell will offer 0% finance options through its finance partner, making it easier than ever for customers to invest in state-of-the-art material handling equipment.

Leigh Harris, Business Development Director at SANY UK, commented: "We are delighted to welcome E H Hassell & Son to the SANY dealer network. Their depth of experience within the scrap, waste, recycling and ports industries, combined with their proven commitment to customer service, makes them an ideal partner for our material handling range. As we continue to expand SANY's footprint in the UK, partnerships like this are key to delivering the best possible solutions and support to our customers."

Jack Hassell, Managing Director at E H Hassell & Son added: "The addition of SANY Material Handlers represents a significant new chapter for our business. With over 50 years of experience in material handling, we are excited to offer our customers what we believe to be the very pinnacle of modern material handler design. Partnering with SANY allows us to strengthen our commitment to delivering reliable, high-performance equipment backed by outstanding support."

With more than half a century of heritage and a continued focus on innovation and customer satisfaction, this partnership marks a significant step forward for both organisations and further reinforces SANY's commitment to the UK material handling market.

RWM STAND ME-E290

Certora Showcases National Training and Competence Solutions at RWM 2026



As waste and environmental businesses continue to face increasing regulatory, operational and workforce challenges, ensuring employees are competent, compliant and properly qualified has never been more important.

Visitors to RWM 2026 will have the opportunity to meet Certora Training, one of the UK's leading providers of accredited training, qualifications and competence solutions, and discover how businesses across the sector are benefiting from practical, flexible and cost-effective workforce development programmes.



With more than 30 years of experience supporting waste, recycling, resource management and environmental organisations, Certora helps businesses of all sizes build competent workforces, improve safety standards and meet industry compliance requirements through nationally recognised training and qualifications.

Supporting Competence, Compliance and Business Performance

From plant operator training and health and safety programmes to CIWM qualifications and Technical Competent Manager (TCM) support, Certora delivers solutions designed around the real-world needs of waste and environmental operations.

Customers benefit from:

- National training delivery across the UK
- Competitive and cost-effective training solutions
- Accredited training to recognised industry standards
- Flexible classroom, virtual and eLearning delivery options
- Improved workforce competence and confidence
- Support with regulatory and compliance requirements
- Access to experienced industry specialists and tutors

Certora works with a range of recognised awarding and accreditation bodies, including CIWM, EUSR, NPORS, IPAF, PASMA, LANTRA, AITT, ALLMI, LEEA and MPQC, giving customers confidence that training is delivered to relevant industry standards and best practice requirements.

Industry-Focused Training and Qualifications

Certora's comprehensive portfolio supports organisations across waste, recycling and environmental sectors with operator training, lifting operations, materials handling, working at height, health and safety programmes and vocational qualifications.

The company continues to invest in expanding its offering to meet changing industry demands, including supporting role-specific competence requirements and modern methods of learning that allow businesses to develop staff while minimising operational disruption.



Delivering Added Value Through Customer Support

A key differentiator for Certora is its commitment to customer service and learner support throughout the training journey.

One recent learner who successfully completed the Waste and Resource Management qualification commented:

"I just wanted to provide some feedback regarding the course and the tutor that supported my understanding of the MROC1 course I have just completed.

The availability of the tutor and the way things were explained were exceptional. The Certora support I received was also exceptional. Whenever I had any enquiries or needed support the response time cannot be faulted.

That is why I have recommended my colleague to do his MROC1 with your company as well."

This combination of technical expertise, responsive support and practical industry knowledge continues to help organisations achieve their compliance and competence objectives while providing a positive learning experience for employees.

Visit Certora at RWM 2026

Visitors attending RWM 2026 are invited to meet the Certora team on Stand ME-B200 to discuss how accredited training, vocational qualifications and competence management solutions can support their business.

Located directly opposite the CIWM stand, visitors will also have the opportunity to discuss qualification pathways, technical competence requirements and workforce development strategies with industry specialists from across the sector.

Whether your organisation is looking to develop operators, strengthen site management capability, improve compliance or invest in future talent, Certora offers practical solutions designed to deliver competence, confidence and measurable business value.

Visit Certora at Stand ME-B200 during RWM 2026 to find out how your business can benefit from nationally delivered, industry-accredited training and competence solutions.

Kiverco completes handover of £16m McKinstry Recycling Plant, the largest of its kind in the UK and Ireland.



Kiverco has completed and handed over a major new £16m recycling plant to McKinstry Group, marking the successful delivery of the largest project in Kiverco's history and the biggest plant of its kind in the UK and Ireland.

The new high-performance recycling facility has been designed and built to support McKinstry Group's continued growth, helping the company process waste more efficiently, recover more valuable materials and reduce the volume of material sent to landfill.

Representing a significant investment in the future of recycling infrastructure, the plant combines proven Kiverco engineering with advanced material separation technology and integrated digital systems to deliver a robust, efficient and future-focused solution for one of Northern Ireland's leading waste management businesses.

The completion and handover of the plant marks a major milestone for both Kiverco and McKinstry Group. For Kiverco, it is the largest and most ambitious project the company has delivered to date, further strengthening its position as a leading provider of recycling plant solutions across the UK, Ireland and international markets.

The plant has been engineered to process high volumes of mixed waste and recover a wide range of recyclable materials. It has been designed to improve material flow, increase recovery rates, enhance product quality and give McKinstry greater visibility and control across the recycling process. By recovering more clean, high-quality material, the plant will help McKinstry improve efficiency, increase material value and support long-term return on investment.

A key feature of the facility is the inclusion of advanced screening and separation technology, including a 3D trommel, which is already generating significant interest among customers and operators looking to improve performance and material recovery within their own recycling operations.

Digital technology is also built into the plant, giving operators improved monitoring, control and insight across the system. This supports more efficient decision-making, helps optimise plant performance and ensures McKinstry can continue to adapt as material streams and operational requirements evolve.

John Irwin, Managing Director at Kiverco, said: "Completing and handing over this £16m plant to McKinstry Group is a proud moment for everyone at Kiverco. This is the largest project we have delivered to date and one of the most advanced recycling plants in Europe, reflecting the strength, capability and expertise of our entire team.

The plant brings together robust Kiverco engineering, advanced separation technology, AI-driven technology and digital systems to give McKinstry Group greater visibility, control and performance across their operation.



With over 30 years' experience in the recycling industry, we understand what it takes to design and deliver complex, high-performance plants of this scale. This project demonstrates the depth of skill and technical capability within Kiverco, and our ability to deliver intelligent, future-focused solutions that few others in the industry could.

We are delighted to have worked with McKinstry Group on such a significant project and look forward to seeing the impact this plant will have on their business for many years to come."

Darren McKinstry, Managing Director at McKinstry Group, said: "This new plant represents a major investment in the future of our business. Working with Kiverco has allowed us to develop a plant that is built around our material, our site and our long-term ambitions. The new facility will help us increase capacity, improve efficiency and recover more valuable materials from the waste we process.

We are very pleased to have reached the completion and handover stage and look forward to seeing the plant fully support the next phase of growth for McKinstry Group."

The successful handover follows a detailed design, manufacturing and installation process, with Kiverco working closely with McKinstry Group to deliver a solution tailored to the specific requirements of the site.

RWM STAND ME-B226

Eriez Paper highlights Hopper Design Factors that limit Feeder Performance

RWM STAND ME- D290



Eriez® has released a new technical paper identifying poorly designed hopper transitions as one of the most common – and frequently overlooked – causes of underperformance in vibratory feeding systems.

Titled "Optimising Hopper Transitions: Design Guidelines for Maximum Hopper-to-Feeder Performance," the paper presents practical engineering parameters to help processors achieve consistent material flow, protect equipment, and realise the full rated capacity of vibratory feeders across a wide range of bulk handling applications.

According to the paper's author, Clay O'Dana, Eriez Global Product Manager-Vibratory, feeder performance issues are often attributed to the feeder itself when the root cause lies upstream, where material exits the bulk hopper and enters the feeder tray.

"Even the most advanced vibratory feeder cannot perform to specification if material is not presented correctly," O'Dana said. "Transition geometry, throat sizing, and clearances all have a direct impact on capacity, wear, and long-term reliability."

The paper details several critical design variables that must be aligned with the material's physical characteristics, including throat opening dimensions, gate height relationships, hopper wall angles, and structural clearances. It explains how improper throat sizing can create excessive headload, reducing feeder amplitude and capacity, while insufficient clearance can dampen vibration and contribute to premature equipment damage.



To support engineers working across diverse applications, the paper also examines common hopper transition configurations, including flat-tray, tubular, and covered tray designs. Illustrated examples show how correctly engineered transitions allow electromagnetic and mechanical vibratory feeders to operate at full stroke and amplitude while maintaining

controlled, uniform material flow in demanding environments such as mining, aggregates, recycling, and food processing.

By documenting proven design ratios and installation practices, the paper is intended to help plant engineers, OEMs, and operators identify and resolve feeding issues before they lead to lost throughput or unplanned maintenance.

"Optimising the hopper-to-feeder interface is often the simplest way to unlock better performance from an existing system," O'Dana said. "These guidelines are based on decades of application experience and are designed to be applied directly in the field."

The full technical paper is available for download at eriez.com/hoppertransitionstechpaper.

What Do You Do with Feedback?

Every business receives feedback.

Some of it is glowing. Some of it is uncomfortable. Most of it sits somewhere in the middle.

The real question isn't whether your customers, colleagues or suppliers are talking about your business.

It's this:

What do you actually do with what they're telling you?

Whether you manufacture machinery, operate a quarry or exhibit at industry events, feedback is one of the most valuable resources available. It's based on real experiences from the people who know your business best.

The temptation is to celebrate the positive comments and move on.

The greater opportunity lies in embracing the conversations that challenge you to improve.

At Saward Marketing & Events, every project finishes with a review. We look at what worked well, what could have been better and, most importantly, what we'll do differently next time. Sometimes that's through a formal meeting, sometimes a Google review, sometimes a conversation over a coffee while the stand is being dismantled.

The format doesn't matter.

The action that follows does.

One lesson we've learned is that the worst feedback isn't a negative review. It's the customer who quietly chooses not to come back. If someone takes the time to share their experience, they've given you an opportunity many businesses never receive.

Following Hillhead this year, we were fortunate to receive some fantastic Google reviews. We shared those comments with the whole team because success belongs to everyone



involved. But positive feedback isn't a reason to stand still. It sets the standard we now have to achieve again.

Constructive feedback is shared just as openly. Not to find fault, but to improve our planning, communication and delivery. Every project leaves behind lessons, and those lessons shape the next one.

Final Thoughts

Asking for feedback is easy.

Acting on it is where real improvement begins.

The next time someone shares an opinion about your business, ask yourself one simple question:

What will we do differently because of this?

If the answer is "nothing", the feedback has little value.

If it changes the way you think, plan or deliver, it has become one of the best investments your business will ever make.

Because feedback isn't about looking backwards.

It's about earning trust and improving what comes next.



PR Bates Rise Above with the Sennebogen 340G

PR Bates Services has strengthened its operations with the addition of a Sennebogen 340G Multi-Handler from Molson Green. This machine combines the capabilities of a telehandler, wheel loader, and material handler, delivering excellent load capacity, impressive reach, and outstanding visibility. With a new yard on the horizon, PR Bates needed equipment that could handle a wide range of tasks efficiently, and the 340G has proven to be the ideal choice.



The story of PR Bates goes all the way back to 1992, when things started with nothing more than a truck and a willingness to take on whatever work came in. Driveway digs turned into small jobs, small jobs turned into steady contracts, and over time the business grew into the full recycling and aggregates operation it is today. Now the company handles between sixty and seventy thousand tonnes of material every year, and one thing hasn't changed along the way: their commitment to making sure nothing goes to waste. Everything that comes into the yard is fully recycled, and that reputation for reliability and quality has helped them build long standing relationships with key customers including Sentara, Essex County Skips and W H Roads.



PR Bates Services is all about making sure good materials don't go to waste. At their yard in Towerfield Business Park in Benfleet, they take over 200 loads from tippers, grab lorries, and skip trucks from loads between 1-20 tonnes every day and turn it all into reusable aggregates and materials. Everything gets recycled and comes back as quality products like sharp sand, ballast, pea shingle, granite, Type 1, and topsoil. It's simple, nothing gets thrown away, making them be able to offer high quality materials to their customers.

A multi-handler like the Sennebogen 340G isn't something you'd normally see in an aggregate yard, it's usually found in industries like waste handling or agriculture because of its versatility. That's why Paul Bates was surprised by how well it's performed. With a lift capacity of around 4 tonnes and a reach of up to 9 meters, it can load trucks quickly and keep pace with the demands of a busy yard. The telescopic boom and bottom-dump bucket make unloading fast and efficient without constant repositioning, which saves time and keeps operations moving smoothly. The machine has also been fitted with an RDS Alpha, Loadmaster Alpha 100 onboard weighing system, giving operators precise control over what they're loading, an important factor for accuracy and compliance. In short, its combination of strength, reach, and precision has turned out to be a real advantage where speed and productivity matter most.

In practice, the 340G has plenty of real-world muscle. Lifting up to 4 tonnes, and it still feels strong when you stretch it out, roughly 2.6 t at full lift (7.7 m) and about 1.7 t at full forward reach. In the yard, that translates to fewer second attempts and fewer trips back to re-weigh. Add the elevating cab for a clear view into truck bodies and the Loadmaster α100 onboard weighing for spot-on loads, and operators can hit targets first time and keep trucks moving.

Paul Bates summed it up: "We didn't expect a multi-handler to perform this well in an aggregate yard, but it's kept up with

everything we've thrown at it." That's down to working closely with Molson Salesman Brian Bell to make sure they got the right machine for the job. By understanding the yard's challenges and matching them with the right setup, the 340G has delivered the strength, reach, and precision needed to keep operations running smoothly.

What really makes the Sennebogen 340G stand out is its hydraulic system. It's built to deliver serious lifting power while keeping everything smooth and controlled, even when the boom is fully extended. That means operators can move heavy loads confidently and place them exactly where they need to without wasting time. The hydraulics work hand in hand with the Cummins F3.8 Stage V engine, which provides the power behind the scenes, but it's the precision and efficiency of the hydraulics that make the biggest difference when the yard is flat out.

Build quality was another key factor, and it's something Sennebogen is known for across its entire range. These machines are built to last, and PR Bates saw that first-hand. From day one, the 340G has handled constant loading and moving without issues. It's strong, reliable, and simple to operate, which is exactly what's needed in a busy yard. The team described it as hassle-free, a machine they can put to work without worrying about downtime.

The buying experience with Molson Green was built on that same approach. Rather than offering an off-the-shelf solution, the team spent time understanding how the yard operates, the materials coming in, and the pressures of a busy schedule. That meant the 340G arrived ready for work and set up for the job from day one. Paul Bates explained, "Brian knew exactly what we needed. He asked the right questions and made sure the machine was configured for the way we work." That attention to detail made a big difference, and it's one of the reasons PR Bates had no hesitation in ordering a second 340G for the expansion.



Terminator xtron

Low-speed single-shaft shredder

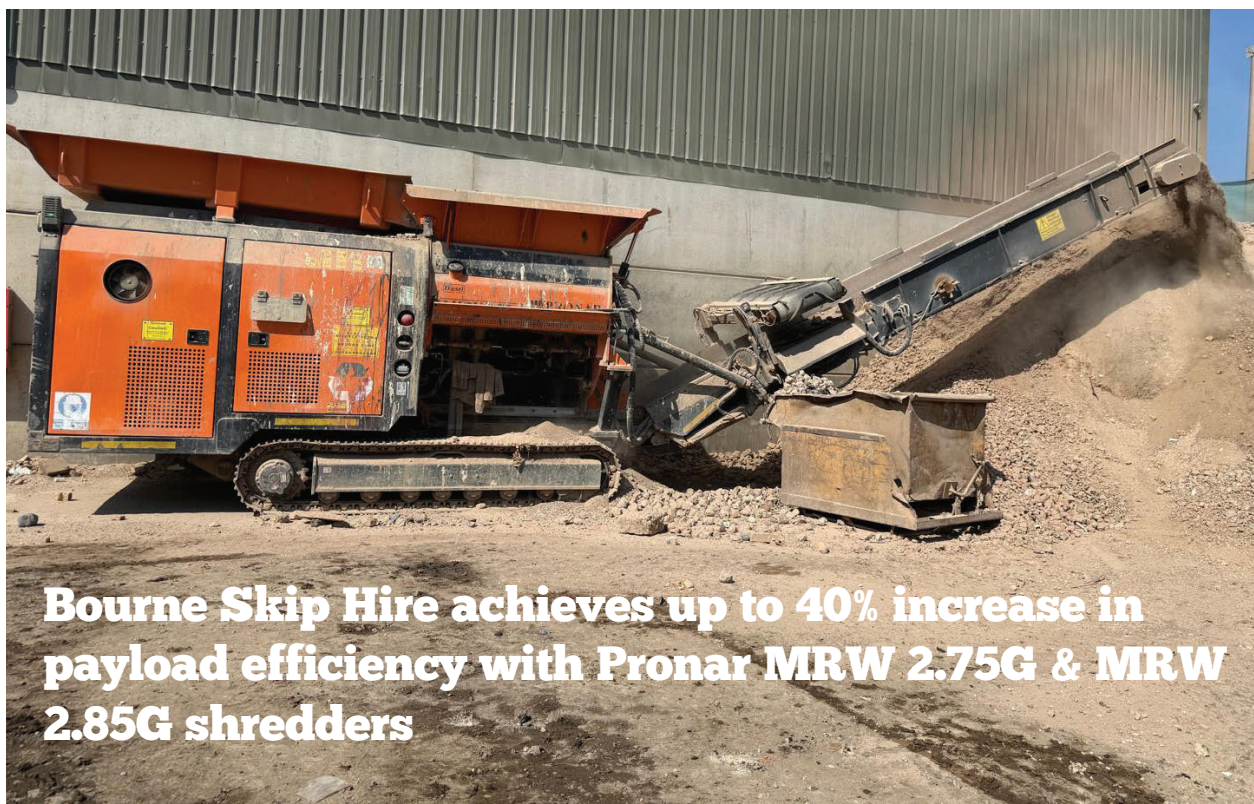
- ✓ Highly versatile: Handles all types of waste
- ✓ Built tough: Robust design for strong performance
- ✓ Large loading capacity: Up to 7 m³ hopper volume
- ✓ Adjustable output: Easy particle size control

Coming soon:

Optional screen basket

Retrofittable for all Terminator xtrons





Bourne Skip Hire achieves up to 40% increase in payload efficiency with Pronar MRW 2.75G & MRW 2.85G shredders



Bourne Skip Hire has significantly enhanced its waste processing performance, achieving up to a 40% increase in payload efficiency following the introduction of two Pronar twin-shaft shredders - the MRW 2.75G and MRW 2.85G.

Supplied and supported by Global Machinery Solutions, the machines have enabled higher material densities, fewer vehicle movements, reduced haulage costs, and the creation of new revenue streams from recycled aggregates.

The investment has also allowed the business to dedicate machines to specific waste streams, improving reliability, throughput and operational control.

Background

Founded in 2002, Bourne Skip Hire has grown into a well-established waste management business operating across Lincolnshire and Cambridgeshire. With depots in Bourne and Peterborough, the company services a 30-mile radius, supporting both domestic and predominantly commercial clients. Today, the business employs around 60 people and processes a wide range of waste streams, including wood, general waste and inert materials.

A core part of their operation is diverting waste from landfill. Wood and general waste are processed and sent for further treatment - often contributing to energy generation - while inert waste such as soil is among the few materials sent to landfill.

The challenge

As volumes increased, Bourne Skip Hire required a step-change in processing efficiency. Their existing shredder could no longer deliver the throughput, flexibility or payload optimisation needed to support business growth.

Key requirements included:

- Increased processing capacity
- Improved material density for transport efficiency
- Multi-material capability across wood, waste and C&D streams
- Strong technical support to minimise downtime

What led them to Pronar

Bourne Skip Hire was introduced to Pronar equipment by Jason Purlant at Global Machinery Solutions, who arranged a demonstration of the Pronar MRW 2.75G.

The MRW 2.75G is a compact twin-shaft shredder powered by a Volvo Penta engine (210 kW), featuring a 2.5 m³ hopper and 1550 mm shafts. Its ability to process varied waste streams and quickly adapt via interchangeable shafts made it an immediate operational fit.

As demand grew, the company invested in the higher-capacity Pronar MRW 2.85G. This machine is powered by a CAT C9.3B engine (310 kW / 415 bhp), with 1700 mm shafts and a 3m³ hopper, delivering significantly increased throughput for high-volume wood and general waste processing.

How they're working

Bourne Skip Hire now operates a two-machine system with clearly defined roles:

- Pronar MRW 2.85G – primary machine for wood and general waste shredding
- Pronar MRW 2.75G – adapted for concrete and brick crushing using specialist shafts

This structured approach allows the business to:

- Maximise throughput across multiple waste streams
- Reduce cross-contamination between materials
- Optimise machine wear and performance
- Maintain consistent output quality across operations

The MRW 2.75G has been successfully repurposed for inert waste processing, producing certified 6F5 aggregate for resale into construction and agricultural markets.



Results

Up to 40% increase in payload efficiency

- Wood loads increased from around 20 tonnes to up to 27 tonnes
- General waste loads increased by 7–8 tonnes per lorry

Significant reduction in haulage movements

Fewer loads are required to move the same tonnage, reducing fuel consumption, driver hours and transport costs.

New revenue stream from recycled materials

Concrete and brick are processed into certified 6F5 aggregate, creating a saleable product and reducing disposal costs.

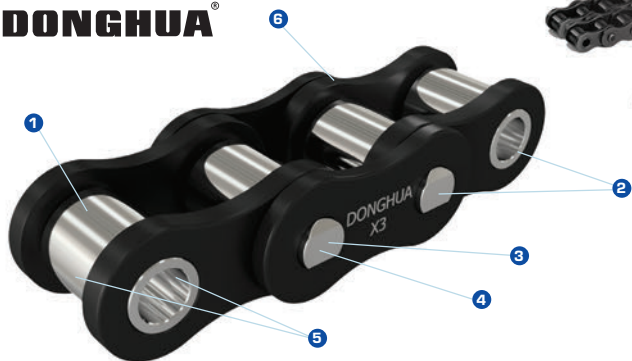
Improved operational reliability

Dedicated machine roles have improved uptime, consistency and material handling efficiency.

What Bourne Skip Hire said "We're really pleased with both the Pronar 2.75G and 2.85G. They're reliable, versatile machines that have made a big difference to how we operate. What really stands out for me is the backup and support from Global Machinery Solutions. It's such a relief knowing they're just at the end of the phone - and if we need an engineer, they'll come out and fix the machine quickly. That level of support is invaluable." Chris Seggie, Managing Director

What Global Machinery Solutions said "It's been a pleasure working with Chris and the team at Bourne Skip Hire. We're delighted to see how well the Pronar machines are performing on site. The MRW 2.75G and 2.85G are two of the best machines on the market - extremely versatile and powerful. Our focus is always on supporting our customers and making sure they invest in the right machinery for their business and their customers' needs." Jason Purllant, Recycling Sales Manager

To discuss your shredding needs, contact Global Machinery Solutions to arrange a demo by calling 01476 568384, emailing sales@globalmachinerysolutions.co.uk or visiting globalmachinerysolutions.co.uk



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Rapid International Technology Powers Progress on Landmark Adare Bypass

Rapid International Ltd has recently sold Breedon Ireland a Rapidmix RMX400CW continuous mixing plant for the Adare Bypass project. This investment supports the delivery of a major infrastructure scheme requiring high volumes of accurately mixed, precision-bound materials.

As Ireland accelerates investment in critical infrastructure, the Adare Bypass is emerging as one of the country's most strategically significant road projects. Designed to ease chronic congestion in the village of Adare while strengthening regional connectivity, the scheme also carries added importance as Ireland prepares to host the Ryder Cup in 2027 at nearby Adare Manor.

A project of National Significance

Delivering a project of this scale and complexity demands not only engineering expertise, but also the ability to produce large volumes of high-quality construction materials with consistency and precision. It is here that the Rapidmix 400CW from Rapid International Ltd, headquartered in County Armagh, has provided huge advantages to Breedon.

Part of the wider Breedon Group, Breedon Ireland has established itself as one of the country's leading construction materials and contracting businesses. With capabilities spanning aggregates, asphalt, ready-mix concrete, and civil engineering services, the company continues to play a central role in delivering major infrastructure projects across Ireland.

Engineering Performance at Scale

For the Adare Bypass, Breedon Ireland required a solution capable of meeting rigorous modern road specifications while maintaining high output and operational efficiency across a multi-phase build.

Rapid International responded by supplying its Rapidmix RMX400CW continuous mixing plant. A system specifically engineered for high-capacity, high-accuracy production.

The plant is being used to produce Cement Bound Granular Material (CGBM), a critical component in modern road construction. With output rates of up to 400 tonnes per hour and mixing accuracy within 1%, the Rapidmix system ensures a consistent, homogenous material essential for long-term road performance and durability.

Beyond performance, mobility has proven to be a defining advantage. The fully self-contained design allows the plant to be quickly deployed and repositioned on-site as construction progresses, reducing downtime and minimising logistical

complexity. This flexibility has enabled Breedon Ireland to maintain momentum across different phases of the project while ensuring a steady, reliable material supply.

Rapid International has also supported Breedon with ongoing technical expertise, helping to ensure smooth integration and dependable operation throughout the construction process with the Rapidmix.

Delivering Results on Site

The impact of the Rapidmix RMX400CW has been evident throughout the project thus far. Its ability to maintain high production output has helped the team meet demanding programme schedules, while consistent material quality supports the long-term durability of the road.

On-site mixing has reduced logistical complexity, and the plant's rapid setup and ease of operation have contributed to improved overall efficiency as works progress.

Proven in Practice

Brian McManus, Managing Director of Breedon Ireland's Contracting division, highlighted the value of the solution: "It delivers the high output needed to keep pace with a demanding schedule, while consistently producing the quality of material required."

He also pointed to the plant's mobility, ease of use, and the importance of ongoing technical support in maintaining performance on a fast-moving project.

Building for the Future

As construction continues on the 7km motorway, including a major three-span bridge over the River Maigue and a series of new interchanges, the role of high-performance material production remains central to progress.

Integrating the machine into such a project demonstrates how advanced mixing technology is helping to underpin modern infrastructure delivery. By combining precision, output, and adaptability, solutions like the Rapidmix RMX400CW are not only meeting the demands of today's projects, but also helping to future-proof Ireland's transport network.



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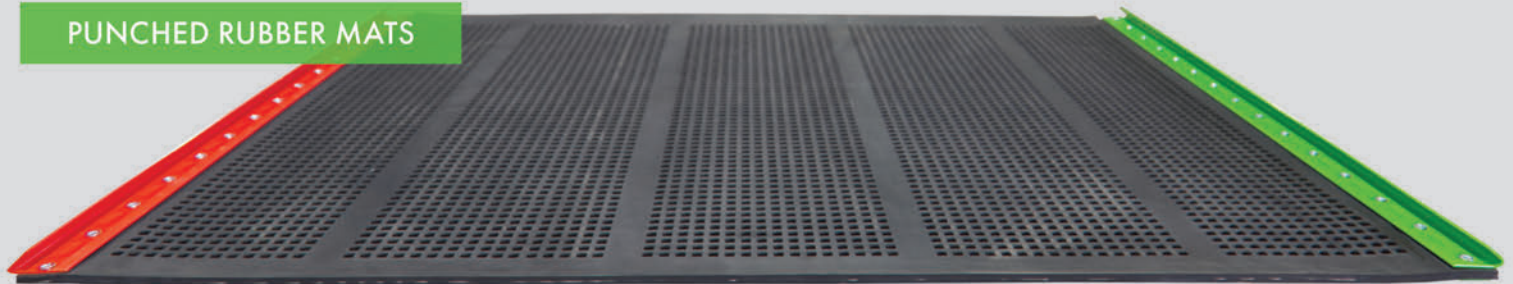
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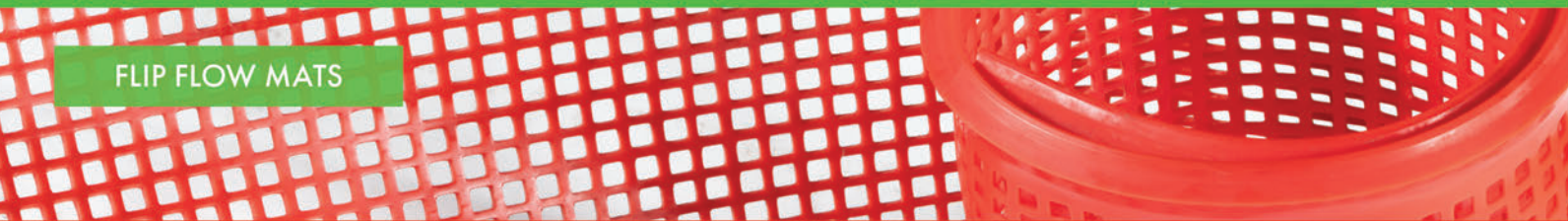
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Utranazz launches an electric retrofit solution for concrete truck mixers and commercial vehicles

Utranazz, Concrete Equipment Specialists, has launched an electric retrofit solution for concrete truck mixers and commercial vehicles. The Ultradrive system is designed to replace the conventional upper-structure drive system on a concrete truck mixer, helping operators tackle common challenges in fleet operation such as high idle times, excessive fuel consumption, engine wear, emissions and on-site noise. By reducing reliance on the truck engine to power the mixer drum, the system promotes a cleaner, quieter and more energy-efficient job-site, with energy consumption reductions of up to 70%.

Designed as a lightweight, highly integrated retrofit package, the Ultradrive system offers quick installation and is compatible with most existing chassis, allowing straightforward integration into current fleets. Once the truck arrives on site and the engine is switched off, the Ultradrive system takes over to power the drum independently.

In trials carried out over a two-month period, a mixer truck with a 31,000kg GVW, 19,170kg payload, and 8m³ drum completed 818 operating hours. During this time, the Ultradrive system achieved 270 hours of engine-off operation, delivering a 30% fuel saving.

Conventional hydraulic upper-structure systems continue to present several operational and commercial challenges for fleet owners. Idling can account for between 36% and 70% of



total operating hours, despite limited actual driving time. This contributes to unnecessary fuel consumption, higher maintenance requirements, increased engine wear and shorter service life. Additional drawbacks include higher on-site noise levels, avoidable emissions and reduced overall fleet efficiency.

The Ultradrive system is designed to reduce idle-related inefficiencies, lower operating costs and support a more sustainable approach to concrete transport. For operators facing increasing pressure to improve productivity while reducing environmental impact, it offers a practical route towards cleaner on-site operation without compromising drum performance.



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Investing for control: Needingworth combines concrete production and earthmoving with Liebherr

Arriving at Needingworth Quarry in Cambridgeshire, the scale of the operation is immediately clear. Lorries move steadily in and out, conveyors stretch across the site, and, in the distance, earthmoving equipment works methodically across freshly stripped ground. It is not a typical quarry setting. Producing close to 800,000 tonnes of sand and gravel each year from a relatively shallow seam, Needingworth has long been a key contributor to the region's construction supply – estimated to account for around 40% of the local market.

Now, under the ownership of Brice Aggregates, the site is undergoing a significant transformation. Since acquiring the quarry in May 2024, the business has moved quickly to embed its own operating model — one centred on control, efficiency and long-term sustainability.

At the heart of that strategy is a dual investment: a new Liebherr concrete batching plant and a fully in-house Liebherr earthmoving fleet.

For Operations Manager Matt Ball, the decision to install a Liebherr batching plant, supported by ten HTM 905 truck mixers, was rooted in experience. "We have a 2.5-F batching plant at Colemans Quarry near Colchester and have found it to be reliable in delivering consistent, high-quality concrete all day, every day," he explains, standing beside the newly installed New Series Liebherr Mobilmix plant. "We knew exactly what we were getting with Liebherr, so it made sense to invest in the latest version of a batching plant we already trust."



That familiarity has allowed Brice Aggregates to establish immediate concrete production capacity at Needingworth, strengthening its position across East Anglia and maintaining consistency for its customer base. The addition of the mixers completes the package, ensuring materials produced on site can be delivered efficiently and reliably.

But while the batching plant represents a key step forward in production, it is the decision to bring earthmoving operations in-house that marks the most significant operational shift.

Previously subcontracted, soil stripping and restoration are now being carried out by a dedicated Liebherr fleet — a move designed to give Brice Aggregates greater flexibility across the site, alongside long-term cost benefits.

"We need around 50 acres of land per year to give us around a million tonnes of mineral per year," says Matt. "By bringing that work in-house, we've got much better control over how the site operates — and that gives us flexibility we didn't have before."

Out on the quarry face, that change is already visible. A Liebherr R 938 crawler excavator is steadily removing topsoil and subsoil, working in close coordination with the Cambridge Archaeological Unit. Progress is deliberate, with operators carefully exposing layers of material as archaeologists monitor each stage.





The excavator's role is critical — not only in productivity, but also in precision. "We already have an R 934 at Colemans Quarry and have found that to be a very reliable and productive machine," Matt says. "Moreso, the fuel economy we are getting is far better than anything else we have in the fleet. That was a big factor in choosing Liebherr again."

The stripped material is then transported by a trio of TA 230 articulated dump trucks, moving across haul routes that currently stretch to around 650 metres. Despite the variation in ground conditions, the trucks maintain a steady rhythm, aided by wide tyres that minimise ground pressure and a design that balances traction with operator comfort.

The final stage of the cycle takes place away from the main extraction area, where restoration work is reshaping the landscape entirely. Unlike many quarries, where overburden is simply backfilled into worked-out areas, Needingworth is part of a much more ambitious project.

Working in partnership with the RSPB, the site is being developed into what will ultimately become one of Europe's largest man-made wetland habitats. The scale of that ambition is evident on site, with newly formed landforms gradually taking shape across the low-lying landscape.

Here, a Liebherr PR 736 dozer, equipped with Trimble Earthworks, is at work. From a prepared platform, it pushes and shapes material into a network of islands and contours, following detailed environmental designs.

"We're given a plan to create these 'cells', which include a series of islands formed from the soils we've already moved," Matt explains. "The dozer plays a key role



in delivering that — it allows us to be precise, which is essential for this type of restoration."

The integration of technology with machine performance is clearly visible, as the dozer moves steadily across the site, building up the contours that will eventually support a diverse ecosystem of wildlife.

Across both the production and earthmoving sides of the operation, there is a clear emphasis on consistency — not just in output, but in support. All Liebherr equipment on site is covered by long-term service agreements, ensuring both the batching plant and mobile fleet are maintained to manufacturer standards.

"We've been very impressed with the level of service we've had," Matt says. "Having that support gives us real reassurance. It's an added cost, but when you look at fuel savings and overall efficiency, it more than justifies itself — and it helps us reduce our carbon footprint too."

Back on site, the interplay between the different elements of the operation becomes clear. Materials are extracted, transported, processed, and ultimately transformed — not just into construction products, but into a landscape with a future purpose.

By investing across both concrete production and earthmoving, Brice Aggregates has created a more integrated and controlled operation at Needingworth. It is a model that

brings together performance, efficiency and environmental responsibility — and one that positions the quarry for the long term.



Improving Quarry Safety Through Effective Site Demarcation

Why Visual Demarcation Has Become an Essential Part of Modern Quarry Operations...

Health and safety have always been at the heart of quarry operations. Every day, sites across the UK manage the movement of large articulated dump trucks, loading shovels, excavators, telehandlers, HGVs and processing plant, often within the same working environment as contractors, maintenance teams and visitors.



While the quarrying industry has made significant improvements in safety over recent decades, workplace transport remains one of the principal risks identified by the Health and Safety Executive (HSE). Managing vehicle movements, separating pedestrians from plant and clearly identifying hazardous areas continue to be fundamental elements of an effective health and safety strategy.

The Quarries Regulations 1999 require quarry operators to ensure that risks are adequately controlled through suitable management systems, safe traffic routes and effective site

organisation. Likewise, the Health and Safety at Work Act 1974 places a duty on employers to protect employees and others who may be affected by their activities.

Although these responsibilities are often addressed through comprehensive traffic management plans and operational procedures, the importance of clear visual site demarcation should not be overlooked.

According to Owen Batham, Sales and Marketing Director at Elite Precast Concrete, effective visual guidance plays an increasingly important role in helping operators maintain safer working environments.

"Modern quarries are constantly evolving. Stockpile locations change, contractors arrive on site, maintenance activities take place and vehicle routes are regularly altered. Operators need practical solutions that can adapt quickly while continuing to provide clear visual guidance for everyone working on site."

Workplace Transport Remains a Major Safety Focus

The HSE continues to identify workplace transport as one of the most significant causes of fatal and serious injuries across heavy industry. Within quarries, the risks are heightened by:

- Large mobile plant
- Blind spots around machinery
- Dust reducing visibility

- Uneven ground conditions
- Temporary works
- Contractors unfamiliar with site layouts
- Multiple vehicle types operating simultaneously

Managing these risks requires more than written procedures. Safe systems of work rely upon clear communication, visible boundaries and physical measures that help everyone understand where they should and should not be.

This is where highly visible site demarcation products can make an important contribution.



Creating Clear Vehicle and Pedestrian Routes

One of the fundamental principles of quarry traffic management is the segregation of vehicles and pedestrians wherever reasonably practicable.

Loading shovels, excavators and articulated dump trucks often have restricted visibility, making clearly defined pedestrian routes essential.

Highly visible bollards can be used to create:

- Pedestrian walkways
- Safe crossing points
- One-way traffic systems
- Designated vehicle routes
- Loading and unloading areas
- Contractor access routes
- Visitor pathways



These clearly defined routes help reduce uncertainty and reinforce site rules, particularly for contractors and visitors who may be unfamiliar with the quarry layout.

Unlike permanent infrastructure, movable bollards also allow operators to modify traffic management arrangements as operations evolve.

Defining Exclusion Zones Around High-Risk Areas

Every quarry contains areas where access should be carefully controlled. These include:

- Primary crushers
- Secondary processing equipment
- Screening plants
- Conveyor systems
- Stockpile edges
- Tipping areas
- Maintenance activities
- Excavation faces
- Temporary construction works

Clearly marking these locations helps reinforce exclusion zones and reduces the likelihood of unauthorised access.

Visual demarcation should not replace physical guarding or established safety controls but complements them by improving awareness across the site. When combined with warning signage and site induction procedures, clearly defined exclusion zones become easier for employees, contractors and visitors to recognise.

Helping Contractors Navigate Complex Sites

Contractors often present one of the greatest challenges for quarry managers. Maintenance engineers, civil contractors, surveyors and specialist installers may only visit a site occasionally and therefore have limited familiarity with operational layouts.



Temporary works can further complicate navigation by introducing new hazards, altered vehicle routes or restricted access areas.

Using highly visible site markers provides contractors with immediate visual guidance, helping them remain within designated safe areas while supporting site induction procedures. This becomes particularly valuable during planned shutdowns or major capital improvement projects where multiple contractors may be working simultaneously.

Flexibility for Changing Operations

Unlike many industrial facilities, quarries rarely remain static.

- Extraction areas move.
- Stockpiles expand or relocate.
- Processing equipment is upgraded.
- Temporary haul roads are created.
- Maintenance works require revised traffic routes.

Products that can be deployed quickly and repositioned with minimal disruption offer quarry managers considerable operational flexibility. Rather than installing permanent barriers that may require significant modification later, movable bollards allow operators to adapt site layouts as production requirements change. This flexibility also supports seasonal operations and temporary traffic management during maintenance shutdowns.>



Visibility in Challenging Conditions

Quarry environments are rarely ideal. Rain, fog, dust and low winter sunlight can all reduce visibility, increasing the importance of clear visual guidance. Visible bollards provide fixed reference points that remain easy to identify from considerable distances.

This assists both mobile plant operators and pedestrians by clearly identifying:

- Safe routes
- Hazardous areas
- Restricted access zones
- Traffic flow
- Operational boundaries

Improved visibility can also reduce driver uncertainty, particularly where temporary traffic management arrangements have been introduced.

Durable Solutions for Harsh Industrial Environments

Any product installed within a quarry must be capable of withstanding demanding conditions. Continuous exposure to vibration, dust, heavy vehicle movements and adverse weather places considerable demands on site infrastructure.

Precast concrete products offer long service lives with minimal maintenance requirements, making them well suited to quarry applications where durability and reliability are essential. Their robust construction allows them to remain effective even in challenging operational environments while continuing to provide highly visible site guidance.

Reinforcing a Positive Safety Culture

One of the less obvious benefits of visual site demarcation is its contribution to behavioural safety.

- Visible safety measures continually reinforce safe working practices throughout the working day.
- Employees become accustomed to designated routes.
- Visitors instinctively follow marked pathways.
- Contractors recognise restricted areas more quickly.
- Drivers develop a greater awareness of pedestrian zones.

These seemingly small behavioural improvements collectively contribute to a stronger overall safety culture.

The HSE has consistently recognised that effective risk management relies not only upon engineering controls but also upon encouraging safe behaviours throughout the

workforce. Clearly marked operational areas help support this objective.

Supporting Best Practice Rather Than Replacing It

It is important to recognise that visual demarcation products are only one element of an effective safety management system. They should complement, not replace existing controls such as:

- Site-specific risk assessments
- Traffic management plans
- Safe systems of work
- Physical guarding
- Warning signage
- Staff training
- Contractor inductions
- Regular site inspections

When integrated into a comprehensive health and safety strategy, visual guidance products provide an additional layer of protection that helps reinforce safe behaviours across the site.

A Practical Addition to Modern Quarry Safety

As quarry operators continue to invest in improving workplace safety, practical and adaptable solutions are becoming increasingly valuable.

Highly visible demarcation products such as Minion-Bollards® and Jersey-Lite® barriers provide quarry managers with an effective means of defining traffic routes, creating exclusion zones, improving visibility and supporting constantly changing operational layouts.

Owen concludes, "Safety is never achieved through a single product or procedure. It comes from combining good planning, effective traffic management and practical solutions that make sites easier to understand. Clear visual demarcation helps reinforce those measures, supporting safer behaviours and reducing the potential for incidents across busy quarry environments."

While often viewed as a simple site accessory, effective visual demarcation can make a meaningful contribution to workplace safety. As operators continue to pursue the industry's goal of eliminating workplace injuries, flexible products that improve visibility, reinforce traffic management and support safe site organisation are likely to become an increasingly familiar feature across UK quarry operations.

Elite Precast Concrete make bay-building easy

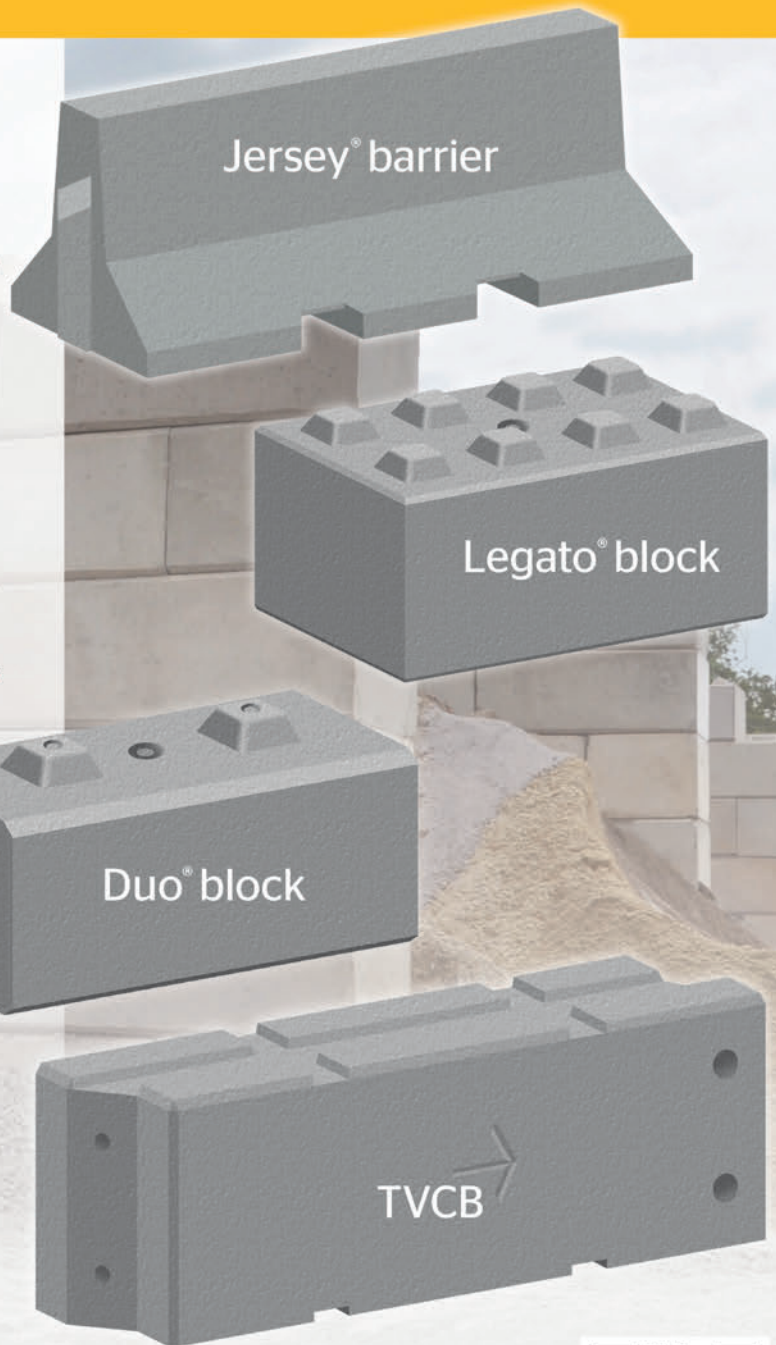
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Strong feedback from a key market.

Successful Hillhead 2026 for SBM...

(Photos: SBM Mineral Processing)

SBM Mineral Processing has taken a positive view of Hillhead 2026, the UK's leading quarrying demonstration show. For the first time in Buxton, the Austrian manufacturer showcased not only its mobile crushing plants, but also its extensive portfolio of mobile concrete mixing technology.



Norbert Dieplinger, Regional Sales Manager SBM.

"It was clear from the outset that the extreme weather, with temperatures of around 36°C, would have a major impact on the show in the quarry. That made it all the more encouraging to see visitor numbers clearly pick up from the second day onwards, bringing us a large number of valuable contacts and in-depth discussions with customers, prospects and partners," says Norbert Dieplinger, Regional Sales Manager for Processing.

Impressive showing in processing

Together with its UK distribution partners Orba Group and Banner Equipment, SBM presented its hybrid electrified mobile crushers both in the live demonstration area and at the stand. "In terms of model selection, preparation and customer approach, our show concept worked perfectly – our partners did a truly excellent job," says Dieplinger. "A particular highlight was the commented live demonstration of our REMAX 450 impact crusher at the quarry face. It gave us an excellent platform to showcase the full benefits of our plant design, including the highly economical diesel-electric drive concept. Just a few metres away at the stand, visitors were then able to explore these advantages in greater depth, where



SBM Mineral Processing put a REMAX 400 impact crusher and a JAWMAX 450 jaw crusher centre stage at its Hillhead stand.



the REMAX 400 with fully electric plug-in option and our 450 tph JAWMAX 450 jaw crusher, a highly mobile 40-tonne 'workhorse', also proved to be real crowd-pullers."

SBM also gained further traction in terms of market reach at Hillhead. "Alongside existing customers from Banner's

northern territory and Orba's southern English regions, we welcomed many experts this year from nationwide material producers and recycling service providers", adds Dieplinger. As important as direct fuel savings, easier maintenance and HSE aspects are for local and regional operators, the broader benefits of SBM's hybrid technology are becoming increasingly relevant, particularly for larger fleets. "With hundreds of successful installations worldwide, our diesel-electric REMAX



In the Quarry Face Demo, SBM Mineral Processing showcased its 450 tph REMAX 450 impact crusher live in action, equipped with a single-deck add-on screen.



Alongside representatives from UK distributors Banner Equipment and Orba Group, managers from SBM's processing and concrete divisions presented the breadth of the company's product portfolio.

and JAWMAX series have been setting international standards for years in several applications, high availability and long-term sustainability."

A key part of that appeal is SBM's advanced CRUSH CONTROL system. Thanks to clear, multilingual menu guidance, even inexperienced operators can become productive safely and quickly, while all key performance and machine data can be accessed remotely and documented easily for maintenance purposes. At Hillhead, this complete package also impressed potential partners in sales and service. "We expect to continue expanding our presence and customer support rapidly, not only across the British Isles. Once again, Hillhead demonstrated its international reach."

Important momentum for mobile concrete

SBM's concrete division is already looking to build on this momentum over the medium term, having presented its EUROMIX® and DYNAMIX® 2500 mobile concrete mixing plants in Buxton for the first time. Detailed scale models highlighted the mobility and flexibility of the two modular series, which have long held a premium position in mobile and



With detailed scale models, SBM underlined the flexibility of its modular EUROMIX and DYNAMIX 2500 mobile concrete mixing plants.

semi-mobile concrete mixing technology. Both ranges offer the full application spectrum of modern batch mixing technology and uncompromising concrete quality. Thanks to SBM's stock production strategy, both plant series are available at short notice, enabling customers to meet tight project schedules with maximum flexibility and

minimal lead times.

Against the backdrop of large and steadily growing installed bases across Central European markets, SBM also sees significant potential in the British Isles. Market requirements are similar: major infrastructure schemes and mid-sized transport projects require flexible on-site concrete technology that shortens transport distances while improving both the economic and environmental performance of construction materials. Stationary operators, such as ready-mix suppliers and precast plants, can also benefit from SBM's mobile concrete mixing plants, which can be installed quickly with a compact footprint. Temporary demand peaks or special concrete production campaigns can be handled without modifying existing infrastructure. High-quality mixer modules, cement silos and aggregate bins – all available with optional winterization insulation and designed to meet stringent noise and dust emission standards – also enable existing plants to be upgraded efficiently. Combined with modern, fully networkable control systems, a broad range of concrete recipes and flexibly adjustable production capacities, these solutions can help extend the economic life of existing sites and often restore their profitability within existing permits. The versatility of the EUROMIX® and DYNAMIX® series was also reflected in the expert discussions and targeted enquiries received by the SBM concrete team at Hillhead 2026.



Currently, prospective concrete customers in the UK and Ireland are supported directly by SBM's concrete specialists at its Austrian headquarters in Oberweis, close to the company's production facility in Liezen. Customer benefit from proven expertise in customer-specific planning and implementation, as well as short lead times of the transport-optimized technology modules. These strengths also formed the basis of SBM's discussions with potential national and regional partners. Looking ahead, the company expects to expand its own presence in the UK and Ireland for the concrete segment in the medium term as well.

Building a Landmark Wash Plant for Thorncliffe Building Supplies

Established in 1987, Thorncliffe Building Supplies is one of the largest independent builders' merchants in North Wales and the North West of England. Alongside supplying building materials, plant hire and waste management services, the company operates its own recycling facilities, continually investing in modern processing technology to improve efficiency, sustainability and the quality of its recycled aggregate products.



For Thorncliffe Building Supplies, the investment in a new aggregate washing facility marked a significant step forward in expanding its processing capabilities. The aim was to create a modern, high-capacity operation capable of producing consistent, high-quality aggregates and sands, whilst exercising highly efficient wastewater management.

To deliver the project, Thorncliffe Building Supplies partnered with CRJ Services and their partners, Bruce Engineering and Tecnoidea to design, supply, install and commission a complete turnkey aggregate washing solution. Now fully operational, the site combines high-performance aggregate washing with advanced wastewater management technology, creating an integrated processing system built for reliability and long-term performance.



The completed installation represents one of the largest wash plant projects undertaken by CRJ Services in recent years, bringing together multiple processing stages, extensive conveyor infrastructure and a sophisticated wastewater treatment system.

Designed Around Efficient Aggregate Processing

At the heart of the installation is a Bruce Engineering wash plant, configured to maximise production while maintaining excellent material quality across a range of aggregate products.

Material first passes through the Bruce Electric Scalper, where oversized material is removed before the fines enter the washing circuit. The Bruce BWR wash plant and BWS sand plant then work together to wash, classify and recover valuable aggregates, producing cleaner, more consistent end products ready for stockpiling. The plant is capable of processing up to 80 tonnes of material per hour, producing up to 70 tonnes per hour of saleable products.

Supporting the washing circuit is an extensive network of conveyors, including a 38-metre lattice conveyor, radial stockpile conveyors and purpose-built transfer conveyors that efficiently move material throughout the process. The conveyor system has been designed to optimise material flow while reducing unnecessary handling, helping improve productivity and operational efficiency.

The installation also incorporates purpose-designed walkways, access platforms and a dedicated control cabin, providing safe access for maintenance alongside centralised control of the washing process.

Integrated Water Treatment for Sustainable Operation

A key feature of the project is the integration of a Tecnoidea water clarification system, ensuring wastewater management forms a core part of the overall washing process.

Aggregate washing relies heavily on water, making efficient recovery and reuse essential for operational efficiency. The Thorncliffe installation incorporates a complete Tecnoidea clarification plant, including a high-capacity clarifier, lime silo, vertical stocking tank, water drip tray and automated filter press.

As process water leaves the washing plant, suspended solids are removed through clarification before sludge is transferred to the filter press. Here, material is compressed into a dewatered filter cake, making handling and transportation easier. Meanwhile, recovered water is returned to the washing circuit for reuse.

Around 90% of process water is recovered and recycled, reducing the site's requirement for fresh water by approximately 90% and helping to minimise overall consumption.

The result is a closed-loop water management system that supports continuous production while improving resource efficiency.



Delivering a Project of Significant Scale

Installation took place over several phases, with equipment arriving on site in a carefully planned sequence. The Bruce Engineering wash plant components - including the

BWR wash plant, BWS sand plant, pre-screen, conveyors, structural supports, walkways and control cabin - were delivered and assembled progressively as the build advanced.

Alongside the washing equipment, the Tecnoidea wastewater treatment system was installed, with the clarifier, lime silo, filter press, vertical stocking tank and associated pipework and control equipment positioned and connected as part of the overall process.

Several crane lifts were required throughout the installation, with equipment ranging from 70-tonne to 220-tonne capacity used to position the larger components. One of the most significant stages was installing the 38-metre lattice conveyor, which was lifted into place before the remaining conveyors, walkways and supporting infrastructure were completed.

Following the mechanical installation, electrical systems, hydraulics, process pipework and water treatment

infrastructure were connected before the plant entered commissioning. Testing and final adjustments ensured each stage of the process was operating correctly before full production began.

From Installation to Production

Now fully operational, the Bruce Engineering wash plant and Tecnoidea water treatment system work together as one integrated process, producing washed aggregates while continuously recovering and recycling process water.



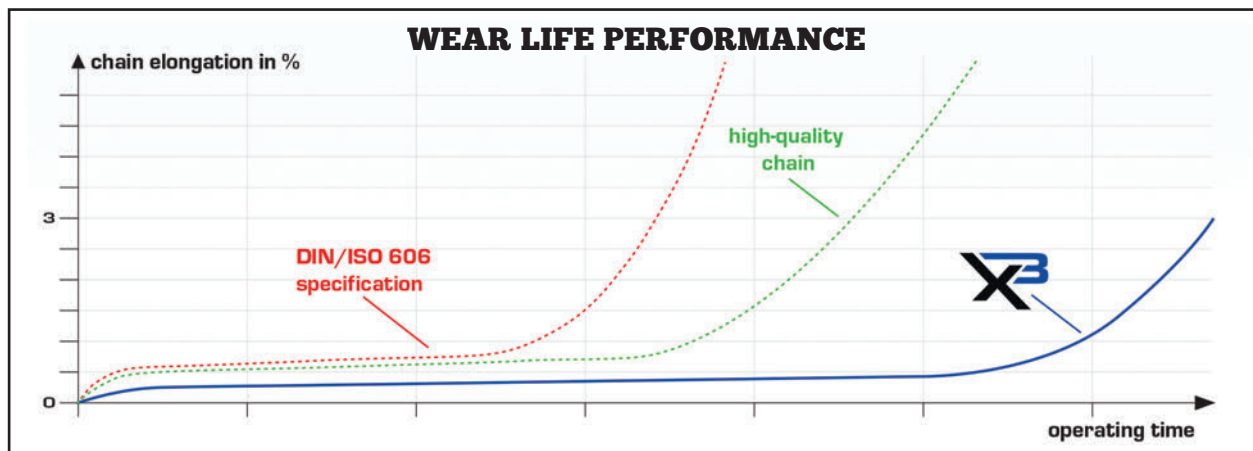
As a fully electric installation, the plant also complements Thorncliffe Building Supplies' investment in on-site solar generation, allowing renewable energy to contribute towards powering the operation and improving overall resource efficiency.

Material now flows through every stage of the Bruce washing circuit before being transferred to stockpiles via the integrated conveyor network, while the Tecnoidea clarification plant continuously recovers and recycles process water in the background.

The project demonstrates how modern washing technology and advanced water treatment can combine to deliver consistent product quality, efficient resource management and reliable day-to-day operation.



Donghua Targets Uptime with X³ Chain



When chain drives fail the cost is rarely just the price of replacement chain. Downtime, lost production, and emergency callouts add up. It's a challenge Donghua has addressed with its premium range X³ Roller Chain.

Built for the toughest applications

Launched into the UK market in 2022, X³ Chain was developed specifically for the demands of high-load, high-wear applications such as quarrying, construction and recycling equipment. Conveyors, crushers, screens and shredders subject roller chain to severe shock loads, high running speeds, and contamination. It's an environment where standard chain can quickly wear.

Engineered for 3x performance

A unique pin coating, optimised plate geometry, and high-precision press-fit pins combine to deliver what Donghua describes as three times the performance of comparable roller chain for wear resistance, fatigue resistance and high-speed.

For plant operators, that means longer periods of time between servicing, fewer unplanned stoppages, and a lower total cost over the life of the machine.

Manufacturing quality and UK availability

X³ is manufactured on a purpose-built automated production line by one of the world's largest chain manufacturers and designed for sectors running high-demand drives. Available ex-stock from Donghua's West Midlands warehouse in both British and American standards (ANSI 40-120), from 06B to 24B, and in simplex, duplex and triplex configurations, and pre-lubricated and pre-loaded, the chain can be supplied for a planned upgrade or as an urgent replacement.

With quarrying, construction and recycling operators under constant pressure to maximise uptime and extend the life of every component, X³ Chain has become the chain of choice.

For more information about Donghua's X³ Roller Chain, visit: <https://www.donghua.co.uk/x3-chain/>



Next Month September | October 2026

MRF'S & RECYCLING PLANT ANNUAL REVIEW -

MRFs, Shredders, Balers, Metals Recycling, IBA plants, biomass plants, autoclaves, picking stations, hoppers, conveyors, magnetic separation, eddy current separators, air separation, optical & robotic separation, forklifts & telehandlers, compactors, crushers, screens,

spare parts, material handlers, bulk storage bays, weighbridges, belt weighing, dust suppression, wear parts, wind shifters.

QUARRYING - Open topics for this issue.

BULK HANDLING - Open topics for this issue.

Editorial copy deadline – 18th September 2026 Advert copy deadline – 25th September 2026



Building Smarter Aggregate Wash Plants

View the
operational plant
on **page 44**



Intelligent Washing Solutions For Over 65 Years

Every wash plant is different. At Thorncliffe Building Supplies, CRJ Services, Bruce Engineering and Tecnoidea delivered a complete turnkey aggregate washing solution, combining high-performance washing with advanced water-treatment and recycling.

To discover how the project was designed, installed and commissioned visit **page 44** - and see how a bespoke wash plant could transform your operation.

crjservices.co.uk



Conveyor Belt Mistracking Prevention Guidelines & Methods

R. Todd Swinderman, Former CEMA President & President Emeritus at Martin Engineering



Mistracking can happen quickly and lead to excessive downtime.

Belt mistracking is as much a safety issue as it is an efficiency and spillage issue, so monitoring belt drift to avoid contact with the structure is critical. Operators need to know when misalignment becomes actionable and what to do about it. The Conveyor Equipment Manufacturers Association (CEMA) updated its System Mistracking Allowance Guide, identifying when the belt has drifted outside normal operating tolerances and poses a serious workplace hazard.[1]

Current CEMA/ISO Standards

CEMA's Guide and the International Organization for Standardization (ISO) Standards 14890 and 15236-1 are very similar in their recommendations for normal belt deviation from the central path. The CEMA Guide is based on standard CEMA components and the ISO standards on the conveyor belt construction tolerances such as camber and troughability.

According to the ISO allowance, the conveyor belting, when running on a correctly aligned conveyor with centered loading, should not deviate from the central track by more than ± 40 mm (± 1.5 in.) for a belt width up to ≤ 800 mm (≤ 31.5 in.), or by more than ± 5 percent of the belt width for widths over >800 mm with a maximum of ± 75 mm (± 3 in.).

CEMA Misalignment Guidelines

ISO provides an overall allowance independent of the conveyor section or components. CEMA members realized that there was more to the question of misalignment than the free belt edge in the load zone and developed mistracking guidelines based on CEMA standard components. CEMA establishes mistracking allowances at three critical locations of the conveyors: main pulleys, the carrying side and return runs.

The CEMA guidelines vary from the ISO standards for 36", 42", 48", 54" and 60" belt widths because the ISO allowances exceed the CEMA standard pulley face widths and for 54", 60", and 72" belt widths because the ISO Standards exceed CEMA manufacturers' standard return idler brackets widths. These variances are easily overcome at the design stage by specifying wider pulley faces, offset return drop brackets and providing the required structural clearances.

Carrying Side Mistracking Allowance

Carry side mistracking is usually not constrained by the idler roll length or load zone structural supports but rather by the possibility of spillage. [Fig. 1]

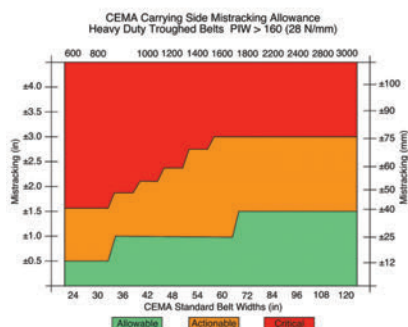


Figure 1 – CEMA Carry Side Mistracking Allowances

CEMA specifies a standard belt edge ($B_{we} = 0.055 \times \text{Belt Width} + 0.9$ in) designed to prevent spillage due to belt sag between carrying idlers outside the load zone when the belt is centrally loaded.[Fig. 2]

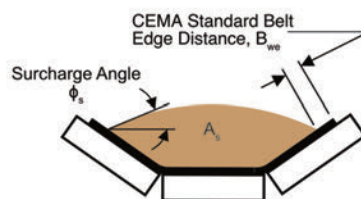


Figure 2 – CEMA 100% Full Design Loading

CEMA standard 100% full area, A_s , is based on the idler geometry, the standard belt edge, B_{we} , and the surcharge angle. The standard area times the belt speed and bulk density give the CEMA standard capacity, Q . CEMA best practice is to design for 85% of the theoretical 100% full loading to accommodate surge loading and changing bulk material properties.

Return Side Mistracking Allowance

Return side mistracking is limited by the width of the CEMA 502 standard return rollers. [Fig. 3] Usually, the structure for mounting the return rollers is based on the carry idler base dimensions. The standard mounting brackets for return rollers are very close to the ends of the rollers in most designs. If the belt travels into the return bracket it can quickly be cut in two by the friction of the belt edge which is often embedded with fines and acts like a hacksaw blade. Serious injuries have resulted from failed brackets causing falling return idlers.

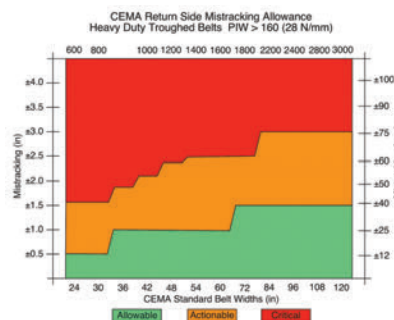


Figure 3 – CEMA Carry Side Mistracking Allowances

Main Pulley Mistracking Allowances

CEMA pulley misalignment tolerances are based on ANSI/CEMA B105.1 standard pulley face widths. [Fig. 4] When greater tracking variance is required, engineered pulleys are an option.

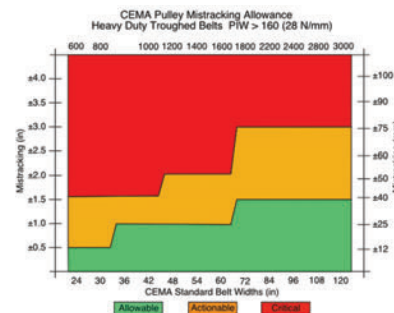


Figure 4 – CEMA Pulley Mistracking Allowances

Proper Belt Loading

Operators and maintenance personnel should be trained on how overloading and off-center loading affect mistracking. Belt tracking is primarily through gravity (center loading) and friction (a minimum of 50% belt contact with the idlers). Spillage and carryback must be controlled for consistent tracking as buildup on idlers and pulleys changes the geometry of rolling components and can reduce belt-to-idler friction.

Skirting and Mistracking Allowances

There are many different sealing systems on the market. Depending on the spacing of the skirtboards and the thickness of the sealing system, there could be differences in the amount of free belt edge needed in the design for Allowable Mistracking in the load zone. [Fig. 5] If there is a history of Actionable or Critical Mistracking that cannot be mitigated, then an even wider free belt edge is warranted.

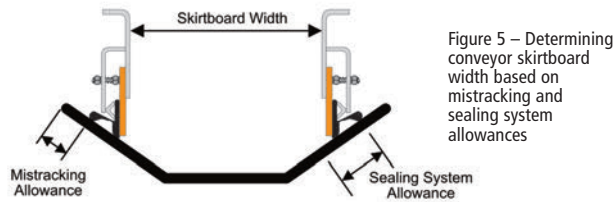


Figure 5 – Determining conveyor skirtboard width based on mistracking and sealing system allowances

Belt Training

Accessories to deal with mistracking may come standard with conveyor systems. These are often "brute force" trainers that prevent the belt from coming in contact with the structure and are not actually training systems but merely protective barriers that lead to system issues and belt wear. When the belt drifts, the brute force trainers can cause the belt to fold into itself and fold back into the system. This can permanently damage the belt and lead to further mistracking and spillage. [Fig. 6]



Figure 6 - Brute force tracking devices treat the symptoms rather than the root causes of mistracking, often result in belt edge damage.

Modern belt trainers use sensing arms to detect slight variations in the belt path. These arms are attached to a pivoting idler that reacts immediately to these variations and trains the belt back into alignment. If detected early enough, less force is needed to retrain the belt and ensure alignment throughout the belt path.[Fig.7]

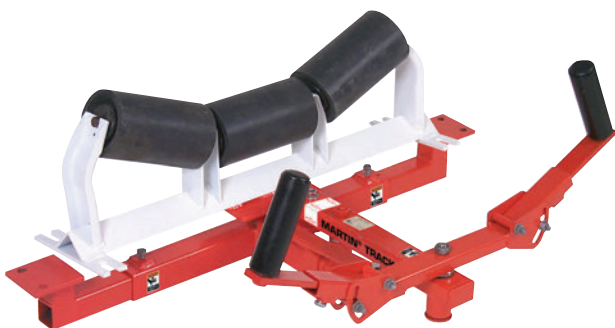


Figure 7 - The roller arms ride the edges of the belt moving with horizontal variations off of the center line.

Return trainers act in a very similar fashion but without a troughed roller. Training idlers are set slightly above the belt plane allowing the weight of the belt to offer some additional tension on the roller. As the sensing arm detects the belt drift, it turns the roller in the opposing direction to train the back into alignment. Since the low tension belt return can easily become misaligned, a return tracker is especially effective when placed near the tail pulley to ensure the belt enters the loading zone aligned.[Fig.8]



Figure 8 - It can be argued the return requires just as much training as the carrying side.

Conclusion

Over the life of a conveyor, it is cost-effective to contact CEMA member companies for assistance with conveyor design, component specification, training, or troubleshooting conveyor belt tracking issues.

References

[] Staff, CEMA's System Mistracking Allowance Guide 2023, Conveyor Equipment Manufacturers Association, Inc. (CEMA), Bonita Springs, FL.

www.cemanet.org

TEMA ISENMANN: Strong Partnerships and New Opportunities at Hillhead 2026

Hillhead 2026 proved to be another highly successful exhibition for TEMA Isenmann, providing the ideal platform to engage with valued customers and establish new business relationships. Throughout the three-day event, the TEMA Isenmann stand welcomed many visitors, including those from engineering and procurement departments from across the quarrying, recycling and mineral processing industries, as well as new exciting sectors creating valuable opportunities to discuss current challenges and future projects.



This year's exhibition provided a unique opportunity for customers to meet the entire TEMA Isenmann team, including representatives from various departments, all in one place. By bringing together specialists from multiple departments, Hillhead 2026 created the ideal environment for customers to discuss specific applications and explore ways to optimise their operations by identifying the most effective products for their screening requirements.

The nature of enquiries received during the exhibition was wide and varied, and as always incredibly interesting. Visitors from around the globe visited TEMA Isenmann to gain assistance on everything from straightforward screening requirements to more complex and unconventional challenges. Discussions with operators, contractors and plant managers

focused on improving screening performance, extending wear life and reducing downtime – areas where TEMA Isenmann has built a strong reputation. The level of interest reflected the industry's continued demand for reliable, long-lasting solutions that deliver measurable performance improvements while helping customers improve productivity and reduce operating costs.



Visitors to the stand were able to explore TEMA Isenmann's comprehensive range of screening media and wear protection products, including the proven WS85 and WS83 Modular Systems, Plank Systems, Side and End Tensioned Screens, Wire Products, Heavy-Duty Isecord Panels, Scrapers, Liners, Polyurethane Conveyor Skirts and WS2.10 Magnetic Modules.

Particular interest was shown in TEMA Isenmann's specially engineered polyurethane compound for Conveyor Skirts, with many visitors keen to learn more about its durability and performance benefits, having recently been launched to the market.

The Original WS85 Modular System also attracted significant attention, with visitors taking the opportunity to see the complete system at first hand. Discussions throughout the three-day event highlighted that visitors were increasingly interested in the complete screening package, from modules, the fixing system, and supporting components, rather than simply viewing it as another piece of plastic with a hole in it.

Hillhead 2026 also provided an excellent opportunity to promote TEMA Isenmann's Wear Management Programmes. Designed to go beyond merely supplying products, these programmes combine technical expertise, regular inspections and tailored recommendations to help customers maximise component life, reduce unplanned maintenance and lower the overall cost of ownership. The programmes generated considerable interest from visitors looking for a more proactive approach to wear management and long-term plant optimisation.

As the exhibition came to a close, Hillhead 2026 had once again demonstrated its value as one of the industry's leading events. The positive response to TEMA Isenmann's product portfolio, the strong interest in its Wear Management Programmes and the number of valuable new enquiries made the exhibition a highly productive event. With new opportunities created throughout the show, the team now looks forward to building on that momentum and continuing to support customers with high-quality screening media and wear protection solutions across the mineral processing industry.



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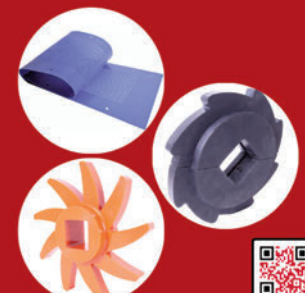
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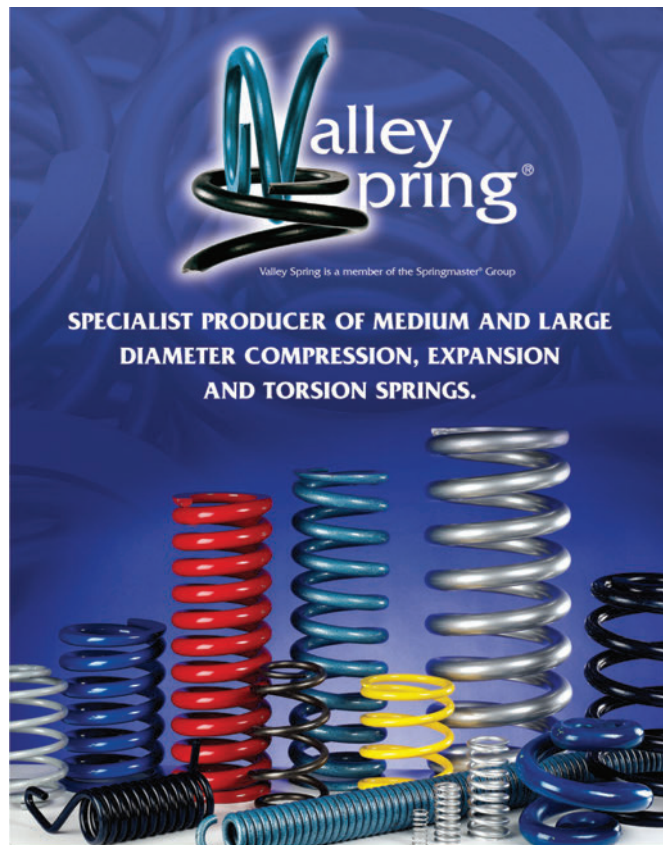
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