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WASHING &  
SCREENING  
FEATURE +  
SCOTPLANT  
PREVIEW

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

March/April 2026 | Issue 97

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# TRACKWASH PRO 120

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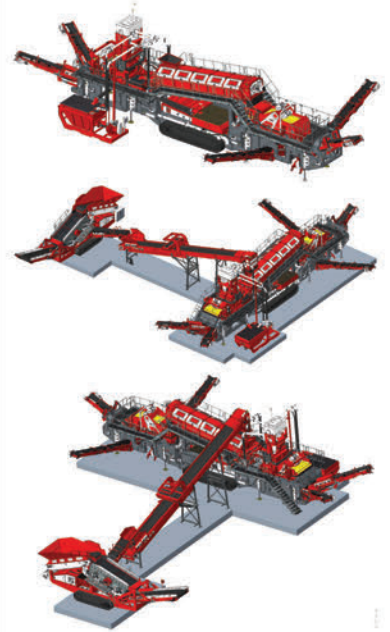
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# Introducing TrackWash Pro 120: The Next Generation of Mobile Aggregate Recycling



**Tyrone International Limited is excited to announce the launch of the TrackWash Pro, a groundbreaking innovation in mobile aggregate washing. With over five years of dedicated research and development**

**invested and multiple patents granted, this fully mobile tracked wash-plant is set to transform the industry.**

As the first of its kind, the TrackWash Pro arrives at a crucial time when the demand for recycled aggregates is increasing, driven by recent updates in UK and EU legislation and

customers recognising the need for sustainable recycling.

## **The Vision Behind Innovation**

Recognising the pressing need for innovation in aggregate recycling, the TrackWash Pro offers a fully mobile, plug-and-play solution with a processing capacity of 120 tons per hour (TPH). This state-of-the-art system has been designed to process materials in the same way as a static plant but packaged on a mobile chassis. No compromises have been made when it comes to accessibility and service maintenance. The plant efficiently produces five types of high-quality, clean aggregates from construction and demolition (C&D) waste streams. Difficult materials containing metals and trash are easily separated.

As the first tracked mobile, plug-and-play aggregate recycling system on the market, the TrackWash Pro presents a compelling alternative to traditional static plants, which often come with a range of barriers that deter investment.





## Breaking Down Barriers

The design team at Tyrone International has meticulously addressed the challenges associated with purchasing static plants for C&D aggregate handling and demolition operations. The TrackWash Pro removes these barriers by providing:

**Simplified Financing:** The machine's high residual value makes it easier for businesses to secure financing, allowing more companies to invest in this innovative solution.

**Site Size Flexibility:** Fully tracked mobility allows the machine to operate effectively in restricted site sizes, making it ideal for urban environments.

**Streamlined Planning:** Complicated planning applications are reduced, enabling quicker project initiation.

**Rapid Delivery and Setup:** With a setup time of just 48 hours, the TrackWash Pro can be operational almost immediately after arriving on site.

**Reduced Civil Costs:** Civil engineering costs are minimized by over 80%, making it a financially viable option for businesses.

**Hydraulic Setup:** The TrackWash Pro unfolds and is fully set up using its own hydraulic power, eliminating the need for a crane and further simplifying the installation process.

By removing these hurdles, the TrackWash Pro empowers businesses to process and reclaim high-quality, washed construction aggregates ready for resale, contributing to the circular economy within the construction sector.

## Enhanced Risk Management

One of the significant advantages of the TrackWash Pro is the reduced risk for customers compared to static installations.

**Mobility and Flexibility:** The ability to relocate the mobile wash plant allows customers to adapt to changing project requirements or market conditions. Should a project site change or expand, the TrackWash Pro can be easily transported to a new location, minimizing downtime and maximizing operational efficiency.

**Strong Residual Value:** The mobile nature of the TrackWash Pro ensures a strong residual value. Unlike static installations that may become obsolete or require extensive modifications to meet new demands, the TrackWash Pro can continue to serve various projects, making it a wise investment for the future.

## Advanced Features and Durability

Packed with patented technology, the TrackWash Pro stands out in terms of design and functionality. Key features include:

**Robust Construction:** Built on a heavy-duty chassis, the TrackWash Pro is designed for durability and longevity in challenging environments.

**Ease of Maintenance:** Accessibility is prioritized, with a 360-degree walkway with all service points easy to access. With multiple inspection hatches for straightforward maintenance.

**Hydraulic Assistance:** Hydraulically assisted belts allow the machine to be tracked, set up, and begin processing materials within just 48 hours of arriving on site.

## Comprehensive Mobile Water Treatment Solutions

To complement the TrackWash Pro, Tyrone International has also developed a range of mobile water treatment solutions. These include mobile sludge and water tanks, as well as mobile filter presses, that can be quickly deployed on-site with minimal civil requirements. This ensures that businesses can effectively manage water



resources and treatment processes alongside their aggregate recycling efforts.

The integration of these mobile water treatment solutions enhances the overall efficiency of operations, allowing customers to handle various water treatment needs without the extensive groundwork typically associated with static installations.

## Simplifying Installation

Tyrone International recognised the need to simplify the installation process of aggregate wash plants while reducing the significant time and costs associated with static plant installations. The TrackWash Pro is fully assembled and tested in the factory in Northern Ireland, including water testing, so that when it arrives on site, it can be quickly commissioned and start earning money for customers immediately.

## Versatile Power Options

The TrackWash Pro includes its own fuel-efficient Volvo Penta diesel power unit and generator or alternatively it can be powered by an external electrical source further reducing operational costs. This multi-region operational capability accommodates various voltages, ensuring adaptability to different market needs.

## A Proven Track Record

Tyrone International Limited has established itself as a leading supplier in the aggregate wash plant market, having recently completed a 200TPH aggregate recycling plant in Oslo, Norway. With numerous projects across three continents, including: North America, Europe and Africa. Tyrone has demonstrated its ability to design, manufacture, project manage, install and provide ongoing maintenance for all sizes and configurations of aggregate recycling and wash plant solutions.



## Conclusion: A Leap Forward in Aggregate Recycling

The launch of the TrackWash Pro marks a pivotal moment in the aggregate recycling industry. With its revolutionary design, mobilisation capabilities, cost savings and ease of installation, this machine is positioned to redefine how recycled aggregates are processed.

As the construction sector increasingly embraces sustainable practices, investing in efficient recycling solutions like the TrackWash Pro is not only beneficial for businesses but also crucial for the environment. By facilitating the recycling of high-quality aggregates, Tyrone International is paving the way for a more sustainable future.

For more information about the TrackWash Pro and how it can transform aggregate recycling operations, please visit the Tyrone International website or contact their sales team today. Join the movement toward a more sustainable tomorrow by investing in cutting-edge technology today!





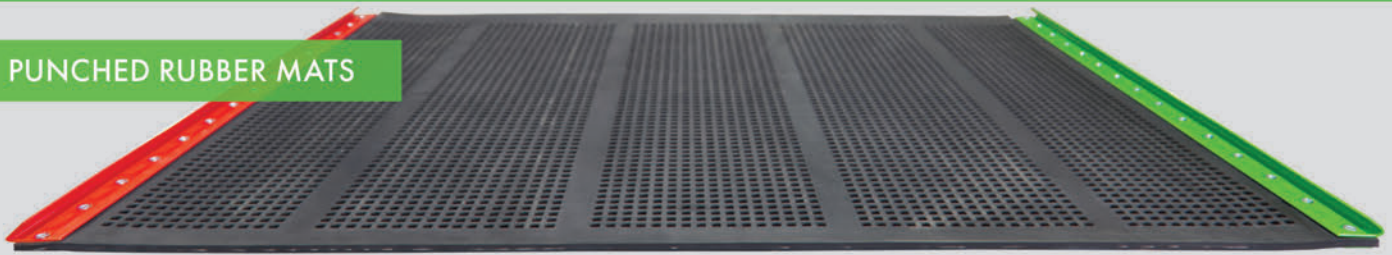
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# Welcome to issue 97

Welcome to our first edition of 2026 - issue 97.

In this second 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 spotlight on **Aggregate Washing & Screening and the forthcoming Scotplant exhibition.**

This year the Hub-4 magazine will have extra circulation in the July/August issue for extra exhibition distribution at the RWM.

### Onwards into 2026:

If you're starting to look at marketing in 2026 our new 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 third edition of 2026 will focus on **The Hillhead Exhibition Preview**, and I welcome any editorial contributions for this issue.

**John Edwards**  
Editor

May | June



THE HILLHEAD EXHIBITION PREVIEW

RECYCLING - MATERIAL HANDLERS IN  
THE WASTE INDUSTRY  
METAL RECYCLING IN THE UK.  
BULK HANDLING - Open topics for this issue.

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



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**Published six times a year.**

## PowerX Equipment: Driving the Future of Sustainable Aggregate Processing

**The aggregates industry sits at the foundation of the UK's built environment in more ways than one. From housing and infrastructure to transport networks and renewable energy projects, billions of tonnes of aggregates such as sand, gravel and crushed stone are required every year.**

Within this evolving and increasingly regulated landscape, PowerX Equipment has established itself as one of the leading suppliers of aggregate washing, crushing, screening and recycling solutions. The range of equipment options extend from high quality mobile equipment for greater flexibility to energy efficient, modular static installations for high volume processing. What's more the focus is on balancing increasing performance expectations and delivering enhanced sustainability and environmental responsibility.

By utilising their extensive industry experience and understanding of aggregate and mineral processing, the West Midlands company, are combining advanced process design with flexible equipment systems, helping operators to recover more material, transform construction by-products into valuable resources and reduce waste streams.

Having built solutions for some of the leading aggregate producers in the UK such as Tarmac CRH, Breedon and Cemex, the company is also supporting the recycling industry, helping waste companies turn recovered materials into reusable products.

### Complete Aggregate Washing & Screening Solutions

PowerX Equipment is not just a machinery supplier, the company is a committed partner in the design, installation and optimisation of aggregate washing and processing plants that will increase tonnage production for clients across the quarrying, mining and recycling industries but with sustainability at the heart of the solution.

The company has a rich history of building complete turnkey installations that are tailored to the very specific applications of each client. At the core of the organisation's portfolio of products and services are fully integrated washing and screening plants that have become the workhorse of the aggregate industry.

From processing and converting blasted and quarried raw materials to recycling construction and demolition waste, the company gets to the heart of the client's requirements, embracing their current challenges and creating a solution that achieves their targets.



### Focusing on Sustainability & Regulatory Performance

In an industry that is driving towards a future focused on sustainable practices, where customer expectations push for efficient washing, screening and stockpiling of high-quality, high value,

cleaned aggregates; PowerX Equipment delivers the answers to meet those challenges.





Maximising aggregate recovery, whether it is from virgin material or recycled construction and demolition waste, and at the same time managing the wider environmental impacts of natural resource usage, is something that has become the norm for the processing industry. The demand for quality products continues to grow at a pace, and the industry is doing what it can to protect natural resources.

Regulatory issues also place stringent controls on how companies in the UK carry out their daily processes, so finding the right balance between hitting production targets and operating within these ever-tightening guidelines can be the remedy for success for aggregate companies, regardless of their size.

That's where PowerX are helping their growing list of customers to meet the challenges of better resource usage and minimise waste management, all while improving the manufacture of better performing, cost competitive materials.

## Minimise Waste - Recycle More

The circular economy is driving the UK construction industry and heightening the need for better environmental responsibility. As a result, contractors are focusing more heavily on the re-use of aggregates and minerals taken from waste generated on building projects, rather than simply relying on the usage of virgin materials.

PowerX have built many high performance washing and screening plants across the UK that have been designed to process high volumes of construction and demolition waste every day. These facilities turn previously used material into high quality, clean and graded products that can be fed back into construction industry on projects of all sizes.

A secondary benefit to recycling as much of the material as possible, is the reduction in volumes of waste being generated. A well-designed wash plant can potentially recycle up to 80% of the material that would otherwise be destined for tips and landfills and returns more material back into the supply chain.

## Improving Resource Management

It's easy to forget that one of the most precious resources involved in aggregate processing isn't mined, blasted or recovered. It's the water that is consumed in modern day wash plants. Every tonne of washed aggregate relies on thousands of litres of water, and for many years the sector treated water as an abundant resource.

Today, the story is very different, and the focus for the company is on installing sustainable operations that intelligently manages the resources used and recycles as much water as possible.

By designing and installing advanced water treatment and recycling installations, PowerX enables their clients to:

- **Recover up to 95% of the water used in the washing process**, feeding it straight back into the system.
- **Minimise or eliminate the need for settlement ponds**, freeing up land and reducing long term liabilities.
- **Cut freshwater extraction and** easing pressure on local ecosystems.
- **Reduce downtime and maintenance**, thanks to automated, high efficiency clarification and sludge management.

These systems don't just tick environmental boxes—they fundamentally change the economics of washing. When water becomes a closed loop resource, operational costs stabilise, compliance becomes simpler, and production becomes more predictable.

## Looking Ahead

PowerX Equipment's approach — combining technical expertise, innovative design, and a strong commitment to sustainability — places it at the forefront of the transition away from using virgin materials. By enabling higher recovery rates, reducing waste, improving water and energy efficiency, the company is not only addressing today's challenges but also helping to shape the future of a more sustainable aggregate processing industry.

In doing so, PowerX Equipment are demonstrating that employing sustainable practices can build a more resilient and responsible industry for generations to come. You can discover more about their processing solutions by visiting [www.pxequip.com](http://www.pxequip.com) or arrange a meeting with their Design Team by calling 02476 405100.

# Telestack secures major contract for a 'Truck to Ship' loading system for Aggregate Rock in Norway

**Telestack is proud to announce the award of a significant contract to supply a fully customised 'Truck to Ship' aggregate loading system for Kvantum in Norway. This innovative project reinforces Telestack's leadership in providing innovative, client focused material handling solutions for another Ports and Inland Terminal customer in Europe.**

Purpose built to meet the customer's site requirements, the Telestack system consists of 2 x Truck Unloading systems feeding a Link conveyor then to a TB 52 (170FT) Radial Telescopic Shiploader operating at 2,500TPH of Aggregates (1.6 t/m<sup>3</sup>). Once commissioned, the Ship-loading system will load Handymax Vessel delivering a consistent, reliable and robust material handling process for the customer.

The customer and operator of the system will be 'Kvantum AS' who were first incorporated in May, 2010 with their main activities including chartering brokers, ship agents within coastal trade, along with dry bulk sale and distribution of aggregates throughout western Europe.

The project award was agreed in conjunction with our long-standing Dealer Representative in Norway – Fredheim Maskin ([www.fredheim-maskin.no](http://www.fredheim-maskin.no)) who for over 10 x years have been a loyal and innovative partner with Telestack to develop market leading products and customer focused after-sales support, which is critical for the overall success of this project and others in their region.



## Robust and Proven Solution for a Demanding Application

The heavy-duty system is design to meet the characteristics of the material and site conditions, key features of the system include:

- **Direct loading to Vessels from Articulated Dump Trucks (ADT) - 45 tonnes** Payload to Vessels allowing for an efficient ship-loading process.
- **Dual Truck Discharge for 2,500TPH loading capacity** - High Capacity through ADT Trucks for enhanced productivity and maximum efficiency
- **Robust Aggregate Rock loading system** – Handling 0 – 150mm (0 – 6 inch) Norwegian at high capacity is testament to heavy duty design from the proven Telestack design.
- **Utilising the radial and telescopic features of the TB 52 Shiploader** will allow for an efficient loading system to trim the vessel hold and maintain production rates
- **Rapid Deployment system** which will be operational in less than 9 x months to ensure a 'quick' turnaround from 'Inception to Operation'

- **Minimal Infrastructure on site** – The site has minimal infrastructure to allow loading of the vessels, but the modular nature and limited civil requirements of the Telestack system allow for a seamless integration on site.



## Strengthening Telestack's Global Project Portfolio

This latest contract highlights the continued trust placed in Telestack's engineering and project delivery teams by leading operators worldwide. The collaboration with Kvantum and the local representative – Fredheim Maskin showcases Telestack's ability to engineer robust and high performance systems.

"We are delighted to be awarded this contract by Kvantum," said Carl Donnelly – International Sales Manager. "We greatly appreciate the trust shown by Kvantum in Telestack to deliver on this robust system. We understand the importance of this project for Kvantum are looking forward to going above and beyond to meet their expectations"

Stay tuned as this project moves through the Telestack design and manufacturing facility before dispatch for operation in Norway.

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# Screencore Boxer pugmill mixer and blender wins accolades globally



**Screencore's Boxer is a precision pugmill mixer and blender with belt-feed hopper for accurate feeding and high capacity. The state-of-the-art track-mounted pugmill is specifically engineered for superior soil stabilization and remediation applications. After its successful launch two years ago, the Boxer has been updated and has become the solution of choice in many countries, including Australia, America, Denmark and France.**



Screencore tracked pugmills offer a significant advantage in terms of carbon reduction when compared to traditional stationary pugmills. The mobility of these units allows them to operate on site, reducing the need for long-distance transportation of raw materials and finished products. This in turn leads to a decrease in fuel consumption and heavy vehicle movements, ultimately contributing to a lower carbon footprint. Furthermore, the tracked design enables efficient onsite blending and processing, promoting resource conservation and waste reduction. By utilizing Screencore tracked pugmills, companies can embrace sustainable practices while improving productivity and efficiency in their operations.

## **Introducing the Screencore Boxer pugmill mixer and blender**

Utilizing the Screencore Boxer for soil stabilization offers significant benefits, particularly in creating 'engineered fill' onsite from below-spec materials. This innovative process not only transforms substandard materials into valuable resources but also reduces the amount of waste material that needs to be hauled off-site, thereby cutting down disposal costs and taxes. Using the Screencore Boxer also minimizes the need to purchase and transport virgin aggregates, leading to more substantial cost savings. By reducing truck movements for both waste disposal and aggregate delivery, the Screencore Boxer significantly lowers carbon emissions on any project, promoting environmental sustainability through material reuse and decreased truck movements.

## **First Boxer Pugmills in Denmark**

Recently Screencore's distributor in Denmark, Komi Contracting Services, supplied a Screencore Boxer for specialised precision mixing, blending and dosing work. The Screencore Boxer is designed to be a highly versatile machine that can be adapted to work with various applications for mixing. It has been designed to add moisture content to road base materials and is also capable of undertaking cement stabilised applications and can even be fitted with a double-deck vibrating grid to screen off oversize material.

Amongst the Boxer's key features is that it works with the belt feed hopper delivering a uniformly proportioned feed onto the 1,200mm (3'11") twin drive discharge conveyor. Its 12m (39'37") long discharge conveyor also facilitates truck loading with the operator having full control of the material flow from the remote control start/stop action or through the batch processing facility. "With a consistent material bed depth, the over belt powder bin and the inline twin paddle mixer box enables the user to literally dial-in material using the plc automation," explains Screencore director Ciarán Ryan.



## Game changing solution

In the US, Screncore's distribution partner, Maverick Environmental Equipment, has also been quick to see the benefits of the tracked solution. "Maverick was quick to notice that the Boxer is not just a tool, but a game-changer for stabilization and remediation projects, offering unmatched performance, precision, and reliability. Maverick has now supplied numerous Boxers, taking advantage of it being designed to revolutionize site preparation processes due to its cutting-edge technology. On construction projects, Bob Stewart and his team are helping US construction companies transform the way construction sites are prepared, making them more efficient, cost-effective, and environmentally friendly," explains Ciarán Ryan.

## Key features standout

The Boxer possesses a host of features all geared to efficiency, cost effectiveness and productivity. It is equipped with a Cat 3.6 Tier 4 engine delivering 130hp, ensuring robust and efficient operation.

The wide tracks provide excellent stability and manoeuvrability on any terrain, whilst the High Volume Discharge System (HVDS) features a 12m (3'11") discharge conveyor with a 1.2m (3'11") wide belt, designed for optimal material handling and high productivity.

The Boxer also benefits from Advanced Mixing Technology (AMT), as the twin shaft pugmill benefits from auto-reverse functionality which ensures thorough mixing and consistency of materials. The angle can further be hydraulically adjusted to improve material flow, whilst the Integrated Spray System (ISS) comes with an onboard water tank, which provides precise moisture control for enhanced stabilization. This can be connected directly to mains or water source and is capable of delivering over 380l (100 US Gallons) per minute.

Further boosting operational performance, the Boxer is designed to deliver accurate weighing. The weigh cells on the discharge conveyor provide precise material measurement and live feedback to the PLC ensuring a precise recipe is maintained. An innovative additive system features a powder additive bin with full PLC control for accurate dosing and improved soil treatment. This is typically connected to a bulk

silo to ensure continuous production. The low flow fluid dosing system ensures precise chemical addition, optimizing soil stabilization processes, and further aiding practical usage, the user friendly design of the Boxer includes an inspection platform for easy access and maintenance, ensuring operational safety and convenience.



## Screncore Boxer pugmill key features

- Cat C3.6 100kw Tier 4, Stage V (C4.4 LRC)
- 12m (3'11") discharge conveyor
- 1,200mm (39'37") wide conveyor with weigh scales
- Full PLC control with telemetry
- Hydraulic adjust heavy duty mixer box with camera
- On-board powder bin and water tank
- High capacity fluid dosing system with secondary fluid option
- Optional double deck vibrating grid



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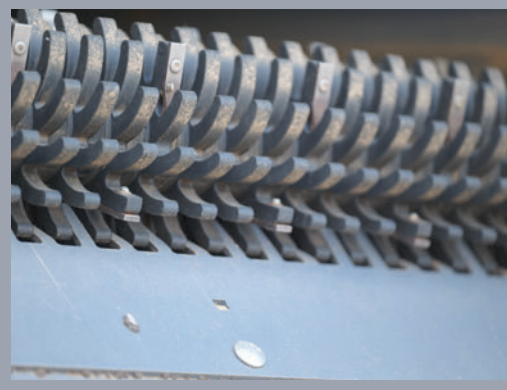
# Terex Ecotec Expands Screening Range with Launch of TXS 350 Starscreen

Terex® Ecotec, a global manufacturer of environmental equipment and solutions, has expanded its screening portfolio with the introduction of the TXS 350 Starscreen, a three-fraction machine developed for high-throughput screening across a range of organic and environmental materials.

The TXS 350 is designed to process materials including biomass, compost, green waste, topsoil, wood chips and bark. The machine incorporates self-cleaning stars and sectional speed control combined with an intuitive control system, allowing operators to easily optimise screening performance in different material types and operating conditions.

A cassette-style screen deck design supports maintenance and reconfiguration, with both screen decks removable as complete units. The TXS 350 can be powered by either an onboard genset or an external power supply, providing flexibility for different site requirements.





The machine features a 7 m<sup>3</sup> (9.2 yd<sup>3</sup>) hopper with an adjustable metering wheel to control material flow onto the screen decks. Hydraulic folding hopper extensions increase hopper capacity.

At the core of the TXS 350 are two screen decks. The coarse deck measures 5 m x 1.25 m (16.4 ft x 4.1 ft) and is fitted with 19 shafts, each carrying 9–10 stars. The fines deck measures 6 m x 1.25 m (19.7 ft x 4.1 ft) and includes 44 shafts, each with 38 stars. Both decks are divided into independently controlled sections, allowing operators to adjust deck speeds to suit material characteristics and optimise screening efficiency. The stars on both decks can be fitted with cleaning fingers to prevent material build up in difficult applications. The cleaning action takes place during screening, removing unnecessary down time.

The machine incorporates two, variable height stockpile conveyors. Both conveyors lower to ground level for maintenance. The mid-size product conveyor has a max discharge height of 3.7 m (12.14 ft) and the fines product conveyor has a max discharge height of 3.1 m (10.17 ft).

Mounted on crawler tracks, the TXS 350 is designed for site mobility and routine relocation. Onboard service platforms provide access for daily checks and maintenance tasks.

Conor Hegarty, Business Line Director for Terex Ecotec, commented, "The TXS 350 expands our screening offering and was developed in response to customer feedback. It is designed to provide high-capacity screening, straightforward operation and practical service access for a wide range of applications."

To learn more about the new TXS 350 Starscreen and to locate your nearest dealer visit [www.terex.com/ecotec](http://www.terex.com/ecotec)



## Doyle Machinery Drives Growth with New Northern Depot

**"This expansion is about making it easier for our customers to access equipment, support, and expertise wherever they are in the UK and Ireland."**



Doyle Machinery is excited to announce the opening of its new depot in South Yorkshire, a major step in the company's ongoing growth across the UK and Ireland. With its head office in Maidenhead and a depot in Ireland, Doyle Machinery continues to strengthen its position as a leading supplier of recycling, forestry, waste processing, and aggregate machinery.

The new depot will offer customers faster access to parts, enhanced technical support, and the opportunity to see equipment. This expansion comes alongside a significant programme of investment in the business, including upgrades to the company's CRM and internal systems, designed to improve efficiency, strengthen customer relationships, and deliver even higher levels of service.

In line with its growth, Doyle Machinery is also announcing new vacancies across its UK operations, providing opportunities to join a forward-thinking team in a dynamic industry. Interested candidates can apply via the company's website.



## ScotPlant 2026: See Doyle Machinery in Action

Looking ahead, Doyle Machinery is gearing up for ScotPlant, where the team will welcome visitors at Stand Avenue D,06. The stand will feature an extensive selection of machinery, including leading brands such as Doppstadt, Arjes, and UFKES Greentec, along with additional solutions designed to enhance productivity in material processing and aggregate handling.

As the new dealer for Doppstadt, Doyle Machinery is particularly excited to connect with existing and potential users of these machines. ScotPlant will provide the perfect platform to discuss capabilities, arrange demonstrations, and explore how Doyle Machinery's solutions can help businesses grow and become more efficient.

Whether you're looking to upgrade your fleet, explore new processing technology, or discuss the latest trends in recycling and aggregate operations, Doyle Machinery's team is ready to meet you, share insights, and showcase the equipment that is helping shape the future of the industry.

Visit Stand Avenue D,06 at ScotPlant 2026 – and explore the career opportunities on our website.

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# Liebherr at ScotPlant

**Liebherr will present a diverse and application focused line up of machinery at ScotPlant, offering visitors a practical overview of equipment operating across the UK in sectors including earthmoving, material handling, waste, recycling, and lifting.**

A major highlight of the stand will be the UK's first Liebherr LTM 1055 3.3 telescopic mobile crane, recently purchased by long standing Liebherr customer Stoddart Crane Hire. Making its ScotPlant debut, the compact three axle crane showcases Liebherr's latest mobile crane technology, combining high lifting performance with excellent manoeuvrability and transport efficiency. Its presence on the stand reflects Liebherr's continued investment in innovation and the strength of its long term partnerships with UK customers.

Commenting on the crane's appearance at the show, **Lyle Sibbald, North Sales Manager for Mobile Cranes at Liebherr**, said: "ScotPlant is an excellent opportunity for us to engage directly with customers in the



lifting sector. Having the UK's first LTM 1055 3.3 on the stand is a real highlight, and we're looking forward to discussing how Liebherr's mobile crane range continues to deliver performance, flexibility, and reliability for a wide range of lifting applications."

Liebherr will also present a selection of customer owned machines, showcasing real world specifications and working configurations currently operating across the UK. On display will be an A 918 G8 Compact wheeled excavator from Alan Gow Contracts Ltd, fitted with a Steelwrist tiltrotator. Rounding out the customer machines is an L 556 wheel loader from James Jones, finished in the company's distinctive green livery.



Speaking ahead of the event, **Mark Gorrie, Area Sales Manager for Earthmoving and Material Handling Equipment, Scotland**, added:

"ScotPlant has always been an important event for Liebherr, and we've never missed it. I've been with Liebherr for many years, and the show continues to be a great opportunity to catch up with long standing customers, as well as meet new ones. We're really looking forward to welcoming visitors to the stand over the two days and discussing how Liebherr equipment can support their operations."

Alongside customer machines, Liebherr will showcase a selection of equipment highlighting the breadth of its offering. This includes an R 914 Compact excavator, complete with quick hitch, buckets, and a Leica machine control system, making it a well equipped and compelling showcase machine.

A PR 726 LGP crawler dozer from Liebherr's Used Equipment division will demonstrate the quality, condition, and preparation standards applied to Liebherr approved used machines reinforcing confidence in used equipment as a reliable solution. Material handling will be represented by an LH 40 M material handler fitted with a GMM50 scrap grab, while an LH 18 M waste specification material handler and a TA 230 articulated dump truck, both supplied from the Liebherr Rental fleet, highlighting the flexibility of Liebherr



Rental for short and long term requirements.

Throughout the event, local Area Sales Managers, along with specialist representatives from Liebherr's Used Equipment, Rental, and Aftersales divisions, will be available on the stand to discuss machinery options, service support, and operational requirements. Visitors will have the opportunity to speak directly with the Liebherr team about applications,



# First time for new Develon Series 9 Excavators at ScotPlant

**At ScotPlant 2026, there will be a very impressive display of Develon equipment, including the first showing of the new Series 9 range of Smart Crawler Excavators, on the James Gordon Ltd (Gordons) stand, the Castle Douglas-based Authorised Dealer for Develon for the whole of Scotland and the county of Cumbria in England.**

ScotPlant showcases the widest range of construction solutions and innovations in Scotland. Attended by thousands of construction trade professionals and over 200 exhibitors from major global brands to local firms, ScotPlant is the essential construction equipment exhibition for the trade.

Taking place at the Royal Highland Centre in Edinburgh from 24-25 April 2026, ScotPlant will see a wide range of Develon equipment on the Gordons stand alongside the centrepiece Series 9 models: the new 23 tonne DX230LC-9 and 26 tonne DX260LC-9 Smart Crawler Excavators.

These products will be joined by a broad selection of mini-excavators from 1-10 tonne including the DX10-7, DX19-7, DX25-7, DX63-7 and DX85-7 models. Moving up in size, the compact equipment will include the 10.7 tonne DX100W-7 wheeled excavator, the 15.6 tonne DX140LCR-7 crawler excavator, the DX160HT-7K high track excavator for forestry work and the DX300LC-7 31.5 tonne crawler excavator. The display will also include the DD130-7 15.3 tonne dozer and the DL320-7 wheel loader.

## **Develon's Groundbreaking Series 9 Smart Excavators**

First revealed at last year's Bauma 2025 Exhibition, Gordons will be unveiling two new Series 9 models: the 23 tonne DX230LC-9 and 26 tonne DX260LC-9. Like all Series 9 models, the DX230LC-9 and DX260LC-9 set new industry standards in Productivity, Safety, Operator Convenience and Sustainability. The Series 9 range not only endorses Develon's forward-thinking vision but also underscores the company's unwavering dedication to innovation and excellence in the construction equipment sector.



Develon has incorporated advanced innovations into every aspect of the new Series 9 models. This enhancement ranges from the overall product design to the detailed functionalities that users rely on for their daily tasks. By leveraging new cutting-edge technologies, the company has significantly increased productivity, reduced fuel consumption and ensured top-level uptime in the industry that can be summarised in four main areas:

- Safety & Smart Features
- Operator Convenience & Cab Comfort
- Increased Productivity & Efficiency
- New Product Design

### **DX160HT-7K High Track Crawler Excavator**

The DX160HT-7K 17 tonne High Track crawler model is powered by the D34 4-cylinder Stage V diesel engine providing 86 kW (115 HP) of power at 2000 RPM. It is designed to meet the needs of customers requiring a combination of higher ground clearance, a reinforced track frame and a strong traction system with reinforced upper rollers for work in harsh environments and on projects where larger travelling distances are involved. This High Track model is particularly suited for constructing roadways, mounding, earthmoving and other duties in the forestry industry.

The DX160HT-7K offers enhanced safety and convenience both for the operator and for working on site, together with an excellent operator experience, particularly from a maintenance point of view.

### **Develon Has Entered the European Dozer Market**

One of the biggest differences between the DD130-7 and other dozer brands is the visibility the DD130-7 provides of the

machine's dozer blade. To facilitate this, the front engine compartment offers a narrower design to make it easier for operators to see their work.

For further visibility and safety, a standard rearview camera provides operators with an additional view of the dozer's surroundings. The full-colour, 8-inch Smart Touch display shows the feed from the rearview camera. Also standard are high-illumination LED lights and four premium wiper blades.

### **Latest Generation Develon Mini-Excavators**

Visitors to the Gordons stand at ScotPlant can see selected models from Develon's next generation mini-excavator range at ScotPlant. All these machines offer power and torque among the highest in their respective classes and cover many applications including heavy duty work.

### **High Performance 10 tonne Wheeled Excavator**

The DX100W-7 10.7 tonne wheeled excavator offers a high performance solution for customers looking for a wheeled excavator designed primarily for urban and road maintenance applications. For this type of work, the DX100W-7 offers the best compromise between compactness and agility, complemented by excellent productivity and high-end comfort. It is very important that this type of machine can operate in very restricted areas, so the DX100W-7 can be equipped with the option of four wheel steering and a crabbing mode, with two wheel steering as standard.

### **The Award-Winning Develon DL-7 Wheel Loader Range**

Like all of the 11 models in the award-winning 'DL-7' range of wheel loaders from Develon, the DL320-7 offers a state-of-the-art design, incorporating a powerful new Stage V engine and providing higher productivity, increased fuel efficiency and a low cost of ownership, coupled with a new cab offering a superb environment and experience for the operator.



# McLanahan to Showcase Screening and Processing Expertise at ScotPlant 2026

Visit McLanahan at ScotPlant 2026 on stand Avenue A, Number 5  
First time for new Develon Series 9 Excavators at ScotPlant



When the construction equipment industry returns to Scotland for ScotPlant 2026, McLanahan Corporation will be among the companies demonstrating how modern processing technology is helping operators improve efficiency, reliability and sustainability across aggregate and recycling operations. Visitors will be able to meet the McLanahan team at Stand Ave. A, No. 5, where the company will present a combination of equipment, engineering insight and system design expertise.

With over 190 years of experience, McLanahan is increasing their presence exponentially across the UK and Europe by offering equipment and complete systems for aggregate processing, construction and demolition (C&D) recycling, washing and water management. ScotPlant provides the opportunity for operators, contractors, plant managers and dealers to see these capabilities first-hand and, more importantly, to discuss how process improvements can increase their business needs with their knowledgeable team can enhance their operations.

## A Focus on Screening Technology

McLanahan will be showing a 1.5 x 5 three-deck inclined high temperature asphalt screen, designed to withstand the demanding conditions associated with asphalt processing and high-temperature material handling.

The screen being displayed at ScotPlant demonstrates McLanahan's approach to durability and performance. Built to handle high-temperature materials typically associated with asphalt operations, the machine is engineered with robust construction and carefully designed screen decks that ensure reliable separation even under demanding conditions.

High-temperature asphalt applications place unique stresses on equipment. Elevated material temperatures can accelerate wear, affect screening efficiency and require specialised components capable of maintaining structural integrity over extended operating periods. McLanahan's screening solutions are developed with these challenges in mind, helping producers maintain consistent production while minimising maintenance requirements.

For quarry operators and asphalt producers attending ScotPlant, the opportunity to examine this equipment up close provides valuable insight into the design features that help maximise operational performance.

## The Bigger Picture: System Integration

While individual pieces of equipment are important, McLanahan's approach to processing goes beyond standalone machines. The company has long been recognised for its ability to design and deliver fully integrated processing



systems, combining multiple technologies into a cohesive plant layout that maximises efficiency and product recovery.

McLanahan will display a 3-D scale model of a complete processing system on the stand to help visitors visualise this. The model provides a practical way to demonstrate how different pieces of equipment interact within a plant environment and how material flows through each stage of the process.

For many operators, understanding the full process layout is just as important as selecting the right equipment. Factors like feed preparation, screening efficiency, material classification and water management all play a role in determining overall plant performance.

McLanahan aims to illustrate how in-depth plant design can improve throughput, reduce bottlenecks and simplify maintenance access. It can also highlight how modular and custom-designed systems can be tailored to suit specific site requirements.

### Expertise on the Stand

In addition to the equipment and system model on display, visitors to the McLanahan stand will have the opportunity to speak directly with members of the company's UK and Ireland team.

Among those attending will be Donal McNicholl, Director of Sales for the United Kingdom and the Republic of Ireland, who brings extensive experience in helping customers develop effective processing solutions tailored to their specific requirements.

Also present will be Craig O'Hare, Territory Sales Manager, who works closely with operators across the local region to support equipment selection, system design and ongoing operational optimisation.

### Supporting the UK and European Markets

The UK and European markets continue to play a significant role in McLanahan's operations. The region has a long-established quarrying industry and a growing focus on recycling and sustainable material management.

Infrastructure investment, urban redevelopment and road maintenance programmes are driving demand for high-quality aggregates and asphalt products, produced as locally as possible. A new importance is being put on obtaining materials for construction as locally as possible to cut costs held in shipping and other transport. At the same time, environmental considerations are encouraging producers to adopt more efficient and responsible processing practices.

McLanahan's equipment and systems are designed to support these evolving requirements. By combining durable equipment with their advanced process knowledge, the company helps operators achieve reliable production while meeting environmental expectations.

### Visit McLanahan at ScotPlant 2026

Visitors attending ScotPlant 2026 are encouraged to stop by Stand Ave. A, No. 5 to see the 1.5 x 5 triple-deck inclined high temperature asphalt screen, explore the 3-D scale model of a complete processing system, and speak with the McLanahan team about how modern processing technologies can improve plant performance.

With a heritage dating back to 1835 and a continued focus on innovation, McLanahan remains committed to helping aggregate producers, recyclers and contractors optimise their operations.

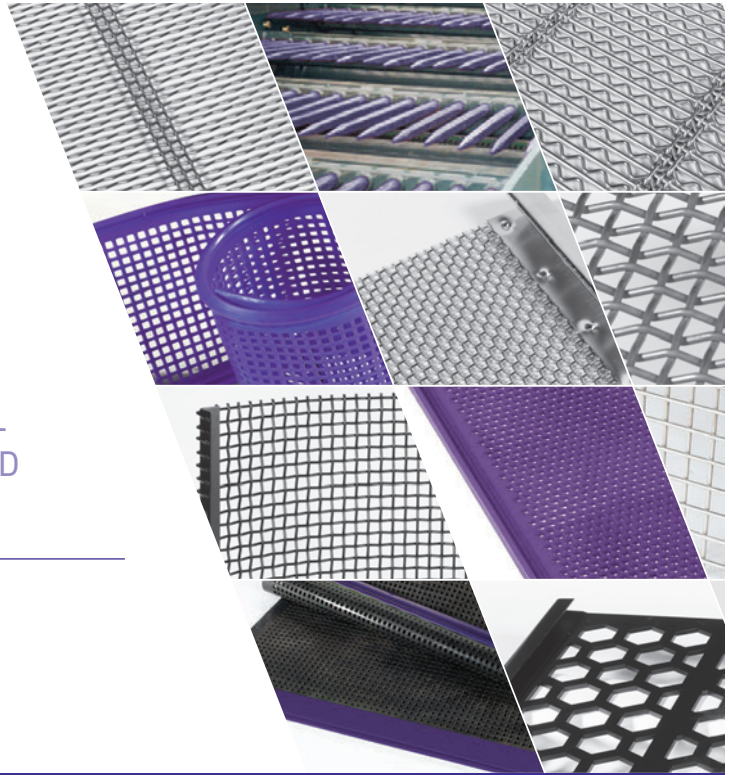
Whether the conversation centres on screening technology, full plant design or future processing challenges, visit the McLanahan team at ScotPlant this year to discuss your needs.

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## Next Month

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THE HILLHEAD  
EXHIBITION PREVIEW

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

RECYCLING -  
MATERIAL HANDLERS IN  
THE WASTE INDUSTRY  
METAL RECYCLING IN THE UK.  
BULK HANDLING  
Open topics for this issue.



# McHale Plant Sales to represent Komatsu and Metso at Scotplant

**Set to make an even more prominent appearance at next April's ScotPlant exhibition at the Royal Highland Showgrounds, Edinburgh will be McHale Plant Sales who - since their previous exhibitor attendance as UK distributors for Metso crushing and screening equipment - have had the additional appointment as UK distributor for Komatsu construction equipment bestowed upon them.**

Effective since January through their newly-formed 'McHale Komatsu' affiliate, in which the Japanese manufacturer has a shareholding, McHale became the go-to people for Komatsu in England, Scotland and Wales markets, mirroring an appointment they have held in the Republic of Ireland since 1994.

Logistically, the new McHale Komatsu operation remains based at Komatsu's established headquarters in Redditch and at depots in Cardiff, Chester-le-Street, and Hamilton, with services provided by experienced personnel well-known to customers, the majority of whom remain employed by the new company.

Machinery being displayed by McHale at ScotPlant – the final composition of which has yet to be decided – will centre around latest Komatsu and Metso releases. Likely to feature will be a PC220LCI-12 mid-size excavator, a PW160-11 wheeled excavator, a D85PX-18 crawler dozer, and a WA475-11 wheel loader. Others ear-marked for display include a



number of utility machines and mini diggers. From Metso, the model displayed will be chosen from their Lokotrack mobile crushers range.

Looking ahead to what he anticipates will be 'another friendly welcome amongst our many new friends north of the border', McHale managing director, Tim Shanahan said: "with another very important hat to wear this year, and a line-up of latest Komatsu machines to exhibit, our expanded business will be represented by another top team, present to tell Komatsu and Metso's story to the large attendance we hope will be attracted to the event".



# Liebherr gets into a Muddle

**A scrap merchant which temporarily parted company with Liebherr rekindled the relationship after realising that the competition couldn't match the German manufacturer's quality.**

**'We had always been a Liebherr user but we started looking at alternative makes to see what they could offer,' explained James Muddle. 'However, while some provided us with a close match, we always felt that the Liebherr product was just a step higher in terms of build quality.'**

James is the director responsible for the daily running of the seven-acre site in Billingshurst, West Sussex, operated by family business Charles Muddle Ltd. It's a busy place, handling and processing huge volumes of material for onward export and recycling and it's a hard shift for the fleet of material handlers that keeps the operation running smoothly.

Latest to come on board is a Liebherr LH 50M Industry model with 18-metre reach and a hydraulically elevating arm that raises the cab and lifts the operator's eye-line from 3.14



metres to 5.69 metres, making it easier and safer to distribute loads into trailers. Like most of the handlers sold by Liebherr, the LH 50M replaces the traditional steering wheel and column with a more responsive and smoother stick-ster option which, according to operator Lee Wills, is 'far more relaxing when moving the machine around the yard'.

**What I noticed instantly was the speed and precision**

Lee Wills, operator



Like all Liebherr material handlers, the LH 50M is available with a variety of front-end equipment designed to suit loading conditions and materials. Muddle selected the GA17 option consisting of a 9.6 metre straight material handling boom matched to an 7.5 metre angled stick carrying a 0.9m<sup>3</sup> GMM 50 five-tine scrap grab. Although the GA17 designation claims a maximum usable grab height of 18 metres, the ability to safely handle a stockpile of material closer to 15 metres is a bonus for the Muddle operation says Wills: 'I know I have plenty of capacity to work safely placing material at the top of the stockpiles.'

Brought in to replace a competitor's machine of similar capacity, the new machine has made a big impression on the man at the controls. 'What I noticed instantly was its speed

and precision. Lifting the boom up under full load is far quicker and smoother and having that precision to place the grab exactly where it needs to be helps speed up the truck loading.'

Other important machines on site include a Liebherr A 924 with shear attachment to reduce larger items for further processing and an LH 26M with 13 metres reach, the latter differing from its stablemates in that is electricity-powered, using a 90kW motor to run the standard hydraulic system.

Muddle has opted to service the new LH 50M in-house using genuine Liebherr parts. 'We do, however, have a comprehensive warranty on the machine to 10,000 hours which will ensure peace of mind for its entire operating life.'

Welcoming Muddle back under the Liebherr umbrella, area sales manager Andy Goddard commented: 'We were disappointed they looked elsewhere for their machines for a couple of years but we worked hard to regain the business and it paid off.'

## THE CUSTOMER

Charles Muddle Ltd has been trading in the metals industry over 40 years is currently under the second-generation stewardship of Stuart Muddle with son James running the day-to-day business in the yard. At the heart of its operation is a direct drive shredder which processes light iron and end-of-life vehicles to produce foundry-ready steel and non-ferrous metals.



# Riding the swell with Forus F38



**Hidden away in the Cheshire countryside is a robotic waste revolution, quietly being led by Waste Wave. This revolution was not running at full capacity until the introduction of a new slow-speed primary Eggersmann Forus F38 shredder from Molson Green. The F38's ability to process material down to the right piece size for the ZenRobotics automated pickers has increased material recovery rates and reduced waste to landfill.**

When founded by Mike White in 2016, Waste Wave was an asbestos removal company. Built on a reputation for quality services, they moved into general waste and continuously look for ways to boost growth by upgrading their processes. Most recently, this included adding an Eggersmann Forus F38 to their production line.

Father and son team Mike and Josh White had already built a strong customer base by delivering five-star specialist care from their Warrington site. So, when their Sales Manager Lee Galloway joined the team and suggested moving into general waste, maintaining this quality at scale was a priority.

"We knew the original process, which involved manual picking, wouldn't handle the increase in volume," Josh explains. "It wasn't efficient or reliable, which is why we adopted the ZenRobotics system."

An AI-based waste sorting system, ZenRobotics has the ability to pick through more than 500 waste fractions, helping to output high-quality recyclables. For Waste Wave, introducing this technology meant they could deal with the higher waste volumes and run processing all day whilst maintaining a low head count without sacrificing output purity.

However, despite all these benefits, the team still had a problem; they struggled to achieve the correct fraction. This meant the material could not be picked through as efficiently by the ZenRobotics system, meaning it ended up in landfill. This isn't just a problem for maintaining the company's reputation, but for meeting their sustainability goals.

Josh says, "With recycling becoming the go-to, finding space for waste material is a challenge for the industry, not just for us. It can leave you paying a massive landfill tax bill if you are not careful. Introducing the Eggersmann Forus F38 means we send less to landfill, and more can be recycled."

## Introducing improved efficiency

When the first machine Waste Wave purchased from Molson Group the team had already done their research. Adam Waldron, Molson Green Sales Manager explains, "In some ways, it was an easy sell, because Mike and Josh had looked into the details of the Forus F38 and knew it could deal with higher intake while achieving the desired final fraction."

Josh added, "We wanted the Eggersmann because it felt like the investment in the ZenRobotics system had not reached its full potential. We could not get the right fraction from the original trommel screen, and the Forus F38 seemed like the best replacement. With Molson becoming the new dealer in the UK, we reached out to their team."

A 2m twin shaft shredder, the Forus F38 is suitable for almost every application. Available in both tracked and hook lift

models, the electro-hydraulic and diesel-hydraulic engines can output between 200kW and 280kW of power. This, and the optimal infeed achieved by the hydraulically lifting and lowering hopper, makes it possible to reach a throughput of up to 80 tonnes per hour.



With individually adjustable shafts, both the direction of the rotation and the speed of the shafts can be set independently. This makes them self-cleaning and protects against material wrapping. As Josh explained, "The fact that they are independently driven provides full protection against anything unshreddable; is a big plus." These shafts can also be equipped with 40 multifunctional rotor tools, making them adaptable to multiple applications."

The efficiency and reliability of the machine have quickly made an impact on the Waste Wave operation.

Josh commented, "Alongside the ZenRobotics system, the Forus F38 has streamlined the workflow. It can continue to shred without interruption thanks to its hydrostatic shafts, which means we can maintain productivity with a smaller workforce."



"The machine can maintain production without feeling overstrained. Our site is quite tight, so the Forus F38 works well with its compact footprint and manoeuvrability allowing it to navigate the site easily. So, the machine can be moved quickly, maintaining efficient production and helping us keep up with the incoming waste stream.

"We chose the Eggersmann because of its build quality and how easy it is for the operator to use, from the shafts to the breaker bar. It's not disappointed us so far."

### **Breaker bars boost accuracy**

The quick-change breaker bar in the Forus F38 was a key feature for the Waste Wave team. With five different bars to choose from it allows operators to determine the piece size more accurately. The A1 breaker bar is used to process general waste into a 300mm product that the ZenRobotics system can pick through effectively.

Switching to an A3 bar allows them to reprocess the waste wood materials down to a smaller, marketable size. The hydraulic mounting and locking mechanism mean the breaker bar change can be completed in as little as 10 minutes, which has been a game changer for the team.

Josh commented, "They told us we could complete the change in 10 minutes, but you don't really believe it until you see how easy and quick it is. It is amazing in terms of productivity, but is also much safer for our operators, which means we can now process general waste more efficiently and create a sellable wood product."

### **Straightforward servicing**

The machine is built with maximum uptime in mind. With large, ground-level maintenance doors, operators can access key compartments easily and safely. Plus, the intuitive controls mean the Forus F38 can be easily programmed via the Eggersmann One-Logic interface or a 10-channel radio remote control.

These features, alongside the reliable servicing support of Molson aftersales, means the Waste Wave team can operate with complete confidence.

As Josh further stated, "Molson has been great to deal with, particularly Adam. He is a great guy and a good laugh, so it does not just feel like a professional transaction when you work with him. You feel like the team genuinely cares. Between that and the versatility of the machine, we're set up to make real progress and continue to grow."



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## Greener Composting gains year-round control with Pronar 1.300 slow-speed shredder

**West Midlands-based Greener Composting has strengthened its processing capability after investing in a Pronar 1.300 slow-speed shredder, supplied by Global Machinery Solutions.**

By moving away from contractor-led shredding, the business now processes material on its own schedule, delivers consistent output grading, and handles up to 35,000 tonnes of green waste annually - while producing end products for agricultural and energy use.

### Results at a glance

- Processes 600–700 tonnes per day
- Handles approximately 35,000 tonnes per year
- Eliminated reliance on external shredding contractors
- Greater operational flexibility across seasonal peaks
- Capable of processing large tree stumps and difficult materials
- Produces graded end products for agriculture and biofuel
- Minimal downtime supported by responsive service backup

### Background



Greener Composting is owned and operated by Richard Ryman, an arable farmer managing a 250-acre farm where he grows potatoes and cereals and runs a maize maze attraction. Established more than 20 years ago, the composting business recycles garden waste from across the West Midlands.

The site accepts green waste from Lichfield, Tamworth and Walsall local authorities, alongside material from local tree surgeons, landscapers and small skip operators.

Like many green waste facilities, throughput is seasonal. Activity peaks around Easter and throughout June and July, before slowing in late summer. Autumn and winter are quieter in domestic gardening terms, although tree surgery work maintains a steady baseline intake.

### The challenge

Operating at a smaller scale than major regional recycling centres, Greener Composting previously relied on a contractor to bring a shredder onsite every two to three weeks. The contractor would typically remain for around a week to clear accumulated material.

Although effective, this approach created logistical constraints. Processing was tied to fixed windows, limiting flexibility during peak intake periods and requiring ongoing contractor expenditure.

Richard wanted greater control over workflow, improved responsiveness to material volumes, and the ability to produce consistent output grades.

### The solution: investing in a Pronar 1.300 slow-speed shredder

Working closely with Jason Purlant, Recycling Sales Manager at Global Machinery Solutions, Richard assessed multiple Pronar models, but it was the 1.300 that stood out. Its interchangeable baskets - enabling precise control over output particle size - combined with its throughput capability and strong value proposition, proved decisive.

The low-speed, high-torque design was particularly suited to handling contaminated green waste streams while minimising wear and reducing the risk of damage.





## Producing consistent, graded end products

Four years on, the Pronar 1.300 is central to site operations. The machine allows operators to process material as required, maintaining steady workflow and eliminating reliance on contractors. It consistently handles bulky and difficult inputs - including large tree stumps - without compromising performance.

The shredder now processes approximately 600–700 tonnes per day. Across the year, this equates to around 35,000 tonnes, although 2025 volumes were slightly lower due to prolonged hot weather reducing grass growth.

Crucially, the ability to adjust output size using interchangeable baskets enables Greener Composting to categorise its processed material into clearly defined end uses:

- Smaller shredded material is used on local farmland to improve soil structure and nutrient content, supporting arable crop production
- Medium-sized material is utilised as a rough biofuel feedstock
- Oversized fractions are reprocessed through the shredder to achieve the desired specification

This grading capability ensures minimal waste, maximises material value, and supports both agricultural and energy recovery markets.

### What Greener Composting said

Richard Ryman, Owner of Greener Composting, said:

“Our Pronar 1.300 has been an excellent investment, providing us with the flexibility to shred green waste at our convenience and keep the site moving. We’ve had a couple of maintenance issues to sort, but Global Machinery Solutions’ service team and engineers resolved them straight away to keep downtime to a minimum.

“The slow-speed 1.300 is ideal because it will handle difficult materials, even large tree stumps, without causing damage.

“The interchangeable baskets allow us to control product size and ensure material goes to the right end market, whether



that’s agriculture or biofuel. We’re delighted with the Pronar and with how Global works with us to keep the shredder performing at its best.”

### What Global Machinery Solutions said

Jason Purlant, Recycling Sales Manager at Global Machinery Solutions, said:

“Greener Composting required a robust, flexible solution capable of delivering consistent throughput while producing defined output grades. It’s also fantastic to see the machine supporting both agricultural improvement and energy recovery applications. Our priority is always to maximise uptime and long-term return on investment, and we’re proud to continue supporting Richard and his team.”

To speak to Global Machinery Solutions about your shredding needs, call 01476 568384, email [sales@globalmachinerysolutions.co.uk](mailto:sales@globalmachinerysolutions.co.uk) or visit [www.globalmachinerysolutions.co.uk](http://www.globalmachinerysolutions.co.uk).



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## Crushing Efficiency Redefined: RG Hire Limited's Bison 170 Powers Anglesey Demolition

**Across Anglesey's demanding terrain, RG Hire Limited has enhanced its demolition and material recycling operations with the introduction of the EvoQuip Bison 170 crusher. This new addition is enabling the company to tackle complex demolition jobs more efficiently and streamline site preparation for significant housing developments.**



RG Hire Limited is a family-run business with deep roots in North Wales, covering the majority of Anglesey. Founded 25 years ago by director, Gareth Hughes to follow in his father's footsteps, RG Hire has grown to employ around 60 people and is now supported by Gareth's sons, Dyfed, and Iwan, who are following in his footsteps. The company is a demolition specialists known for safe working practice, their reputation and service and its strong local reputation. While demolition is increasingly at the forefront of their operations, RG Hire continues to offer civil engineering services, focusing on quick turnaround projects. Their fleet includes three Kobelco SK140SRLC-7s, one SK130LC-11, and one SK85MSR-7, all chosen for their reliability and versatility.

The changing housing market in North Wales has led to rapid development, with new homes being built wherever possible. This shift has made on-site material recycling crucial, as crushed aggregate can be reused onsite reducing costs. Previously, RG Hire relied on hired crushers, but these machines were often either too large or too small for their needs, making transport and efficiency a constant challenge. With demolition projects growing in scale and complexity, RG Hire needed a crusher that could handle from Anglesey granite to demolition versatility, fit seamlessly into their transport logistics, and deliver consistent performance across a variety of job sizes.

The EvoQuip Bison 170 emerged as the ideal solution. Its compact size allows it to fit on a beaver tail for easy transport, and it is perfectly suited for jobs over 500 tonnes. The Bison 170's flexibility means RG Hire can choose to leave processed aggregate on site or take it away, depending on client needs. Gareth explains that the Bison 170 has been fantastic for the



business because they are able to move it with their own transport. He describes it as a very capable crusher, with efficiency that has been great. The machine runs at about 7 to 8 litres an

hour and can even be operated off mains electric, allowing the team to shut the generator off and run off mains power when needed helping reduce costs, noise, and fuel burn.

According to Gareth, "The Bison 170 has been fantastic for the business because we are able to move it ourselves, and it is capable of handling the tough Anglesey rock and the efficiency has been phenomenal. The option to run off mains power is a real bonus for us." The EvoQuip Bison 170 emerged as the ideal solution. Its compact size allows it to fit on a beaver tail for easy transport. The Bison 170's flexibility means RG Hire can choose to leave processed aggregate on site or take it away, depending on client needs. The machine runs at about 7 to 8 litres an hour and can even be operated off mains electric, allowing the team to shut the generator off and run off mains power when needed.

The Bison 170 delivers impressive performance, with standard jaws achieving up to 85 tonnes per hour and with the quarry type heavy duty jaw plates, used for the tough Anglesey granite, still reaching 65 tonnes per hour. Changing the jaws takes just an hour and a half, ensuring minimal downtime. The design also allows for cleaner output, as dirt is removed with a riddle bucket before crushing. The SK130's blade adds stability when using the crusher bucket, further enhancing operational safety and product quality. The machine's ability to fit on a beaver tail enables RG Hire to plan efficient routes and maximize fleet utilization, making it suitable for a wide range of demolition jobs, from small sites to major developments.





The EvoQuip Bison 170 is powered by a Stage V Cat C3.6 generator, which powers an integrated 88 kVA generator to drive the crusher's electric system. This diesel-electric setup ensures reliable performance even on remote sites without grid access. When operating in urban or emission-sensitive areas, the Bison 170 can also be plugged directly into a 125-amp mains connection, allowing the engine to be switched off and the crusher to run entirely on external electricity. This dual-power flexibility delivers efficient, low-emission operation

and makes the Bison 170 an ideal solution for both off-grid and environmentally conscious projects.

RG Hire's partnership with Molson is built on more than ten years of trust and collaboration. Over this time, Gareth and his team have invested in more than 15 machines from Molson, a testament to the reliability and service they have consistently received. Gareth describes the relationship as open and straightforward, any issues are quickly resolved, and there's always room for honest conversations about challenges or future plans. This long-standing connection has helped RG Hire stay ahead in the industry, knowing they can rely on Molson's support every step of the way.

The addition of the EvoQuip Bison 170 marks a significant step forward for RG Hire Limited, reinforcing their reputation as a leader in demolition and material recycling across Anglesey. By investing in cutting-edge, flexible equipment and maintaining strong partnerships with trusted suppliers like Molson, RG Hire continues to set new standards for efficiency, sustainability, and reliability in the industry. As the demand for rapid development and responsible construction grows, RG Hire is well-positioned to deliver high-quality results for clients, ensuring that every project benefits from their expertise, innovative approach, and commitment to excellence.



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## QMS washing plants for clean, accurately sized aggregate

**QMS washing plants are bespoke, specialised systems used to separate, clean, and size aggregates, producing high quality materials. The washing systems are used in conjunction with the QMS range of SVI and SH screens that have found a real niche in processing raw materials such as sand, gravel, crushed stone, slag, iron ore and recycled concrete. Their primary functions are to separate materials by size, remove impurities, and optimize production efficiency.**



The key components include material feeders to deliver raw materials to the plant and evenly distributed using vibrating feeders for a consistent flow into the screening system. QMS SVI and SH screens separate materials by size while scalping screens provide rapid separation and protect downstream equipment. The screens are fitted with sand washers or fine material washers that remove contaminants using water spray systems. These can be configured as inclined or horizontal, with single, double, triple or quad deck screens.

The SVI-Inclined and SVH-Horizontal Screens drive mechanism consists of two MVU modular vibrators connected with a cardan shaft. These feature advanced dust proof cartridges. The extremely compact and interchangeable units are designed to make maintenance easier compared to a conventional shaft design, with two bearings per vibrator, they also provide exceptional long bearing life. The vibratory mechanism is located at the centre of gravity, giving circular motion at all points of the screen.

There are three sizes of modular Vibrators available to cover the range of QMS screens. The standard size of the inclined screens ranges from 1.22 to 3.1m in width and 3.6 to 8m in length and are available in one to four deck arrangements. Available in standard and custom sizes, the horizontal screens feature two to four deck configurations, with sizes up to 7 x 2.4m, making them highly versatile for different applications. Bespoke designed screens can also be made to fit into existing structures.



With the inclined screens, the shaft line is positioned at the centre of gravity resulting in a perfect circular motion at all points of the screen. Combined with an adjustable inclination from 12-22°, this circular motion delivers enhanced screening efficiency for all types of applications such as primary, secondary, and final size screening. Adjustable counterweights allow for easy eccentric stroke

adjustment to fine tune performance specific to the application requirements. Compared with other circular motion screens, QMS screens provide maximum space between decks. This makes it easier, safer, and more comfortable for operators during maintenance intervals. Screen maintenance is easier as the vibrating mechanism comprises of an alloy steel shaft fitted with grease labyrinth seals and amplitude adjusted by moveable balance weights.

Highlighting the efficiency of its screening and washing plants is the QMS installation at the Cemex Pyford Brook Quarry. The Pyford Brook Quarry has been built to produce sand and gravel at a relatively high production rate of 250tph. The QMS plant provides an initial feed to the grid along the belt feeder consisting of 150mm+ sand and gravel which is then crushed down by a cone crusher before going to a double deck polyurethane primary screen. A double deck washing screen then further processes the material to produce a -20mm product. The final product is then refined to be used in the manufacture of Ready-Mixed Concrete for use on HS2.

## DXB supply brand new pumpstation to Holcim Torr Works Super Quarry

**DXB Integrate, the pump sales and hire sister company of manufacturer DXB Pump & Power, recently commissioned the brand new 900 litre/sec pumpstation in Torr Works, one of the largest quarries within Holcim UK at an output of 5.5m tonnes per annum.**



Initially designed and quoted in 2024, the project began in earnest in the autumn of 2025 after being expanded from the original supply of five DXB electric pumpsets to a turnkey supply and installation of the pumps, pipeline manifolds and civils including a large concrete base complete with cable runs from the new MCC container located close by.

Designed in co-operation with the Torr engineering team, the final DXB design allowed the quarry to move away from the historic method of using additional submersible pumps in sumps that required blasting and excavating, by combining with existing pumps that were moved down to the new lower benches.

With a new design concept incorporating an inline booster pump station installed on a higher bench and splitting the existing pipelines, DXB designed a solution that eliminated the risk of future recirculation leakage from any new sump and substantially increased the output and water-to-wire efficiency of the overall dewatering system.

The existing dewatering system included multiple large submersible pumps operating in sumps and well back on the performance curve due to the high static head, at around 150l/sec with a total dynamic head of more than 100m on 8th bench up through two large 600mm HDPE pipelines and manifolds with extensive control and monitoring equipment managing their safe operation.

With the quarry going down a further two 15m benches over the next five years, the quarry sought a solution that maximised flow rates without making the existing pumps redundant and optimised the dewatering system to reduce power consumption and energy costs as much as possible.

Using their thirty-year global mine and quarry dewatering experience, DXB designed a solution that enabled the super quarry to continue to use their existing pumps by splitting the total static head, locating a booster pumpstation half way up the quarry in a redundant area, bringing the submersible pumps back to a flow rate twice as high as they were operating at before the installation was completed.

Said Phil Finlay, Operations Director and Onsite Manager for the Torr project, "designing the pumpsets for this project was probably the simplest part of the project but being asked to convert this into a turnkey solution managing the civils and pipework changes was something DXB had never done on such a large scale."

The project involved managing local suppliers who had experience of working on Torr and ensuring that all facets of the project fell into place and were completed on schedule to ensure that the delivery was done in line with the customers expectations.

Working closely with the specific on-site Holcim Project Engineer enabled Phil and the DXB team to complete the civils before the worst of the UK winter weather set in and gave the team a good foundation on which to install the pumpsets and associated manifold system whilst the MCC control systems were being installed next door.

With the whole system installed before Christmas, efforts were turned to the supply of a new pipeline from the new sump in the 9th bench to be hooked up to the new pumpstation which was now located three benches up on level 6 meaning moving the two existing 600mm HDPE pipes and installing a new 355mm HDPE pipeline for the washplant feedlines.

All the new pipework was completed in early February after battling bad weather and on-site conditions that were extremely challenging, allowing for the commissioning in mid-February.

Working with the Holcim Torr resident IT team and electrical contractor Nexdorf, DXB designed a new operating philosophy that allowed all eleven pumps to operate in parallel/series including the new 1.5MW pumpstation that had three 400kW booster pumps and two new 110kW washplant booster pumps all operating in duty/standby configuration.



For each of the three booster pumps from DXB that incorporated a Cornell 12x10 end-suction centrifugal pump driven by a Brooks Crompton 400kW IEC4 motor, DXB designed large, sound-attenuated, fully banded canopies that allowed for easy maintenance and protected the equipment from the local harsh environment.

A fully automated pipe manifold system was designed and installed, which enabled all the pumps to operate independently or in parallel with each other, giving a final pumpstation performance in excess of 1000l/sec or 3600m<sup>3</sup> per hour, well beyond the design specifications.

The whole dewatering electrical system was upgraded, with the existing MCC control room moved down to the new lower level, along with the submersible pumps, and the new control centre, including a new substation, was installed beside the new pump station, three levels up.



Software and control systems were written by in-house expert Richard Marsh with the assistance of DXB enabling all the pumps and valves to be automatically controlled and work together to optimise the system and ensure each of the pumps in the sumps worked in series with the new booster pumps.

Commissioned over a three-day period, DXB worked closely with the Torr team to firstly commission the new washplant pumps that increased flows up to 70 l/sec giving the quarry the ability to fill multiple tanks on site at the same time, something they had not been able to undertake before.

The booster pumpsets were first commissioned individually then in parallel to ensure that they individually worked to specification at the 442l/sec flowrates then together to maximise the flows with two pumps at over 1000l/sec through the common suction and discharge manifolds. The previous highest flows were under 700l/sec.

All pumps were tested and then run hard to ensure the system integrity and operating philosophy worked well, allowing DXB to leave the site with the fully commissioned high-performing new dewatering system.

## Quarry Dust Washing - An Investment for Sustainable Growth



Bruce Cyclone Sand Plant

**Bruce Materials Processing Solutions have been supplying a range of intelligent washing solutions to wash quarry dust, tailored to suit specific site and project requirements.**

The quarrying and crushing of aggregates inevitably generate large quantities of quarry dust (also known as CRF / Crusher Rock Fines). Traditionally, this fine material has been treated as a waste byproduct - stockpiled, dumped, or sold at very low value - creating environmental and operational challenges for quarry operators.

A key advantage of quarry dust washing is it's relatively low capital investment compared to installing a full-scale wash plant. By integrating modular washing equipment, such as the Bruce range of BWS Cyclone Sand Plants, often within an existing processing line - quarry operators can benefit from the production of an additional revenue creating washed sand.

Crusher fines washing is a practical, high-impact solution for modern quarrying. It addresses waste management challenges, creates additional revenue, and supports sustainable construction practices.

For quarry owners and aggregate producers looking to future-proof their operations, quarry dust washing is not just an optional upgrade - it is a smart step toward a circular, profitable and practical quarrying operation.

"Quarry dust washing is emerging as a relatively low-investment and environmentally aligned solution. Quarry owners are able to convert what was previously deemed a waste byproduct from their crushing & screening processes, into a usable resource. Additionally, reducing reliance on virgin materials, enhancing sustainability, and promoting a circular economy are at the heart of decisions in the modern materials processing industry.", comments Thomas Haughey, Dealer Manager for Bruce.

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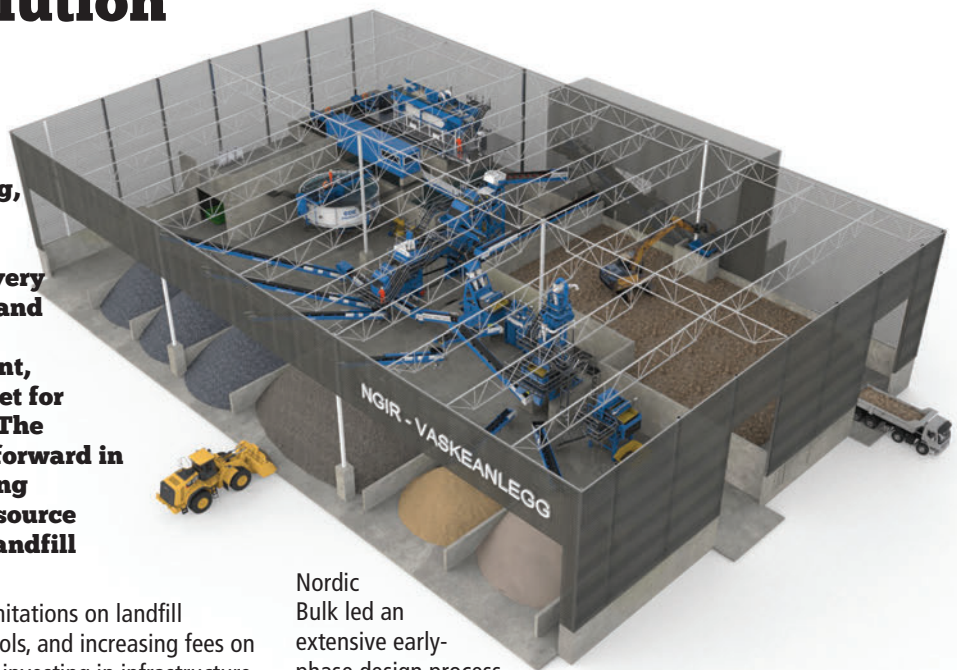
## New soil wash plant delivered in partnership between NGIR, Nordic Bulk and CDE set to accelerate Norway's circular evolution

**Nordhordland og Gulen Interkommunale Renovasjonsselskap IKS (NGIR Næring AS) has entered an EPC (Engineering, Procurement and Construction) contract with Nordic Bulk AS for the delivery of a new contaminated soil and C&D (construction and demolition) waste wash plant, engineered by CDE, and is set for commissioning in Q4 2026. The project marks a major step forward in supporting Norway's growing emphasis on sustainable resource management and reduced landfill dependency.**

With Norway introducing stricter limitations on landfill development, tighter leachate controls, and increasing fees on disposed waste, NGIR is proactively investing in infrastructure that enables the recovery and reuse of excavated materials. The new facility will allow NGIR to significantly reduce the volume of material sent to landfill while supplying high quality recycled aggregates back into the regional construction.



Eivind Sagstad, Project Manager at NGIR Næring AS, said the partnership reflects NGIR's long term commitment to circular solutions: "Nordic Bulk and CDE distinguished themselves with strong technical competence and forward-thinking design. The flexibility of the system, along with the teams' innovative and solution driven approach, gives us confidence that this project will strengthen the region's transition to greener, more sustainable material use."



Nordic Bulk led an extensive early-phase design process focusing on operational flow, safety, and compliance with evolving regulatory requirements, with CDE providing the plant's detailed design and engineering.

Speaking on the significance of the project, Eunan Kelly, Director of Business Development at CDE, highlighted how the new installation will integrate seamlessly into NGIR's operations: "This plant represents a logical and timely step for NGIR. It will enhance local resource management by enabling the recovery of valuable construction materials from waste streams, reducing pressures on landfill sites, and supporting Norway's wider circular economy goals."

The facility's design also reflects NGIR's forward looking sustainability ambitions. In addition to full process water reuse enabled by a closed loop water treatment system, the site will include provisions for future electrification of machinery, rainwater and borehole water utilisation, solar ready infrastructure, and additional treatment technologies as regulatory requirements evolve.

Nordic Bulk emphasised the project's long term operational value, highlighting the strong collaboration.

Steen Sanddahl, Project and Construction Manager at Nordic Bulk said: "We are grateful for NGIR's confidence and for the excellent collaboration with both NGIR and CDE, which has supported the delivery of a plant designed to be practical, safe, and efficient for decades to come. Drawing on experience from similar projects, the facility will recycle up to 80% of surplus soil and excavated materials for reuse in new construction, while remaining highly adaptable to evolving environmental expectations."

Now in the final stages of groundworks, construction will progress throughout 2026. Once operational, the plant is expected to expand NGIR's customer base, reduce landfill consumption, and encourage greater adoption of recycled materials across the region's construction industry.

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# Shaking out the details on Screen Vibration

By **Susie O. Bartoli** / Business Development Specialist-Vibration / Martin Engineering

From quarrying and mining to recycling and agriculture, a multitude of industries rely on screen vibration for various purposes, but they often encounter similar problems. If the screening rack is properly engineered to accommodate the weight, volume, and type of motion, then the support structure will rarely require maintenance. However, vibrators continually combat resisting forces, as well as the harsh industrial environment of bulk handling, which reduces the equipment life. [Fig.1]



Figure 1 – Screen vibrators are wear parts, so ergonomic access is important for workplace safety.

The period between potential breakdowns depends on several factors, including the operating environment, centrifugal force requirements, the condition of incoming power, lubrication type and intervals, and the vibrator's design and build quality.

## Volumes and Vibratory Screening

Since the early 20th century, the demand for mineral resources has steadily grown, forcing bulk handlers and material recyclers to continually increase production volumes.[1] Simply increasing the volume or speed of throughput might require the material to undergo several passes to achieve proper separation. [Fig.2]

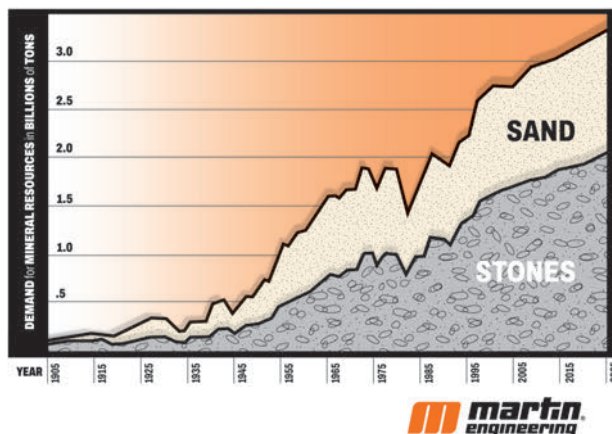


Figure 2 – The steady increase in demand requires managers of older screen systems to increase production beyond the original specs.[1]

Factors operators need to consider in vibratory screening applications:

- **Efficiency** – The volume of the material stream determines the amount on the screen, which can influence how well it is separated.
- **Material** – The speed, volume, and desired output of screening are dependent on the properties and angle of repose of the application.
- **Angle of repose** – The angle of repose is how the material spreads naturally across the surface. The loading method and type of vibratory motion assist in even distribution across the screen.
- **Screen design** – First, the screen must be able to withstand the additional weight. Then, whether dewatering or separating, the grid pattern, permeability, and type of vibratory motion need to promote the application's separation.
- **Effective Slope** – The angle of applied vibration determines the speed at which the material moves down the screen. Gravity, amplitude, and frequency are factors in the screen's effectiveness.
- **Vibratory amplitude and frequency** – Increasing either the amplitude or the frequency will increase the volume of material moving through the system.
- **Vibratory motion** – There are two general vibratory motions, linear (back-and-forth or up-and-down), and elliptical (rotational).

## Failure Mechanisms in Screen Vibration

When a screening rack goes out of service, it can significantly impact production. Simply adjusting the volume of material fed to the remaining units accelerates wear and tear, which raises the likelihood of additional breakdowns. This downtime increases labor costs, increases exposure to safety risk, and elevates the cost of operation.

Failure mechanisms are separated into five distinct categories:[2]

1. **Design Deficiency** – Inadequate engineered design either in the screen structure or the vibrator. [Fig.3]



Figure 3 – A well-designed screening system is extensively tested in many applications to find deficiencies.

2. Manufacturing and Assembly Process Deficiency – Structural adjustments post-installation are common and can change the center of gravity or increase the machine's weight, which reduces efficiency.
3. Operational Deficiency – Increasing volumes that exceed the recommended limits or the miscalibration of vibrators that put an undue strain on units are common operational deficiencies.
4. Inadequate Maintenance – Neglecting to monitor pads and springs on screening structures, not following lubrication procedures, and not addressing rust promptly are common and costly failure mechanisms.
5. Wear and Deterioration – These factors are unavoidable, but proper installation and maintenance of quality equipment can extend the system's lifespan.

## Vibratory Amplitude and Frequency

Amplitude refers to the magnitude or intensity of the vibration, indicating how far an object moves from its resting position. On the other hand, frequency indicates how many cycles of vibration occur per unit of time (measured in Hertz). Higher frequency can increase volume but has the potential to increase screen wear and stress on the frame if force outputs are not considered.

## Vibrator Motion and Placement

The placement and angle of the vibrators influence how the motion occurs. With the correct slope and amplitude calculated, gravity will assist the material down the screen.

Linear side-to-side motion is effective for sectors such as mining and recycling, as it allows material to spread across the screen. Mounting vibrators on the sides of the rack causes larger materials to shift and roll to each side.

Linear up-and-down motion is highly effective for sand biofiltration and particulate dewatering. With vibrators mounted on rails above the material flow, the internal weights lift and drop a specialized screen made of durable fine mesh. [Fig.4]

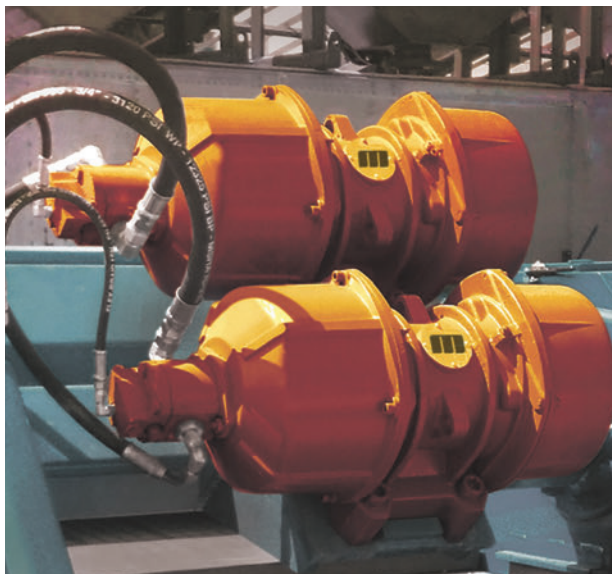


Figure 4 – Hydraulic vibrators set on a sand dewatering screening system delivering linear motion.

Elliptical rotational motion is prominent in agriculture for the threshing process, but also in recycling and bulk processing. Set in front of or behind the screen, the action causes a "cheese grater" effect.

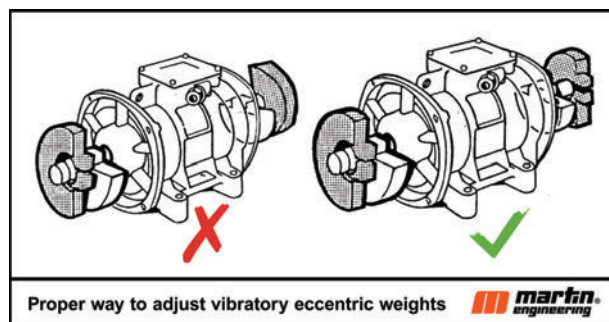


Figure 5 – Proper way to adjust vibratory eccentric weights.

## Electric and Hydraulic Screen Vibrators

The weight and volume of the bulk handling environment require a powerful vibrator to do the job effectively. While electric screen vibrators are common, hydraulic vibrators are more applicable for portable screen applications where no electricity is available. [Fig.5]

Figure 5 – Proper way to adjust vibratory eccentric weights.

Industrial electric vibrators for material screening should use inverter-duty rated and Class H insulated windings to prevent overheating in continuous-duty environments. Martin® Engineering's Screen Vibrators produce up to 16,500 lbs (7,483 kg) of centrifugal force. The adjustable eccentric weights tailor performance for 3- or 4-panel screens, featuring low-maintenance, greaseable, long-lasting cylindrical roller bearings.

An example of a hydraulic screen vibrator is the Martin® Hydraulic Screen Vibrator, which provides up to 8,300 lbs (3,855 kg) of centrifugal force for efficient material separation. The IP66 enclosure ensures a dry and grit-free internal environment and uses the same mounting bolt patterns as electric vibrators.

## Conclusion

A well-constructed system, along with proper calibration and placement of vibrators for the application, is essential for efficient and optimized screen separation. To further extend the equipment's life, these systems should be easy to maintain and accessible, ensuring both workplace safety and lower operational costs.

## Research

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[2] T. Linhares , A da Silva Scari , C. Vimieiro; Causes Of Failures In Vibrating Screens: A Literature Review. Minerals Engineering, Volume 218, November 2024

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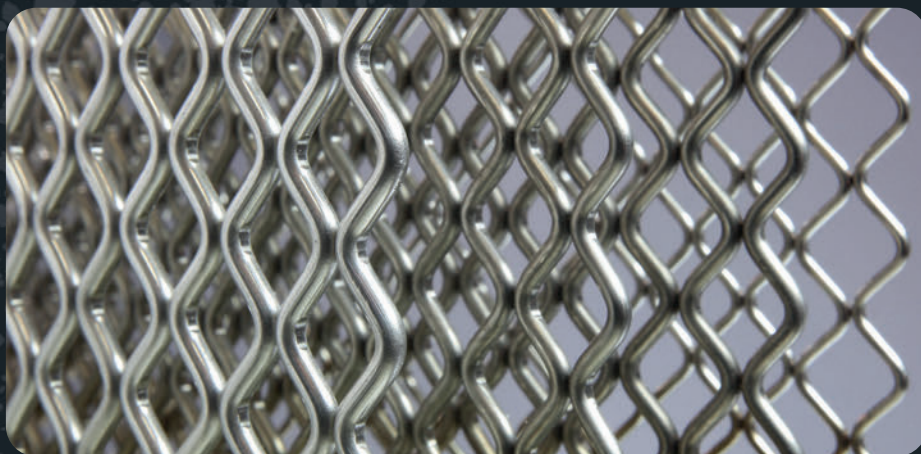
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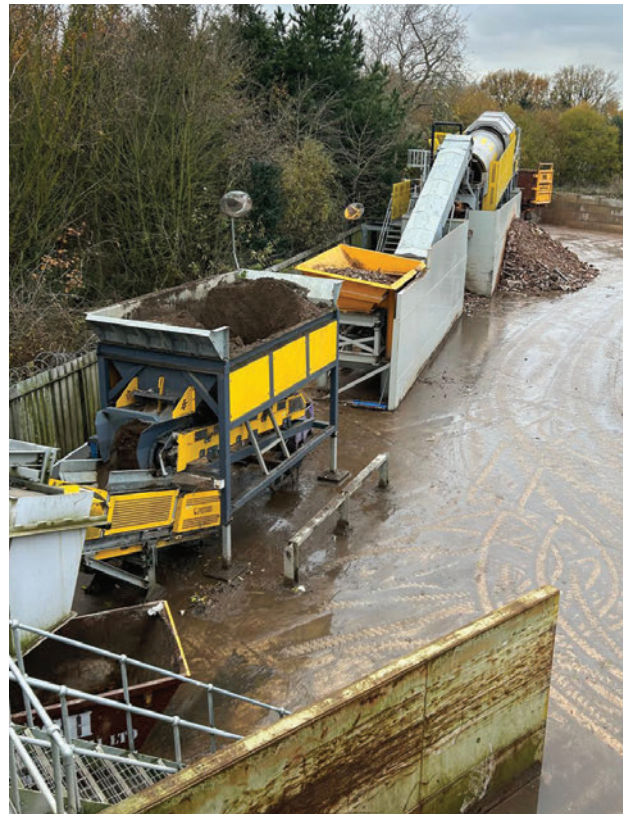
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## Parnaby Cyclones Enhances Skip Waste Processing at PSH Norwich

**In 2025, Parnaby Cyclones installed a new skip waste washing module for PSH Environmental Ltd. Norwich, comprising a 6/30 (6' diameter x 30' long) Natural Medium Washer Barrel. The module was designed to wash and separate organics from inert materials within the 15-100 mm coarse fraction of skip waste, operating at a feed rate of approximately 20-25 tonnes per hour.**



Following commissioning at PSH, the washer barrel module quickly demonstrated its performance. Operating at a feed rate of 20–25 TPH, the plant achieved clean, well-separated products almost immediately.

The client, PSH, had already installed a <15 mm skip fines washing and separation plant (15–20 TPH) supplied by Parnaby Cyclones two years earlier. That system successfully separates fine organic materials from inert fractions.

The success of the original installation prompted the owners of PSH, Nigel, Martyn and Daniel Parker to further enhance their processing capability by introducing the new washer barrel module. The objective was to upgrade the larger particle size fractions and maximise recovery of clean inert materials.

One of the immediate operational benefits was the release of two picking station operatives, allowing them to be redeployed to other duties around the site.

As with the earlier installation, Parnaby carried out float and sink testing and grading analysis prior to installation and commissioning. This work enabled the team to determine the expected yield of inert materials and evaluate the efficiency of separation between aggregates and organic waste.

Parnaby Cyclones has been designing and supplying washer barrel systems for more than 50 years, traditionally for mineral process and beneficiation applications. In recent years, however, these modules have increasingly demonstrated their effectiveness in a wide range of recycling and waste processing applications, including scrap metal shredder light fraction (SLF), MRF glass recovery, road sweepings, gully waste, and construction and demolition (C&D) materials.



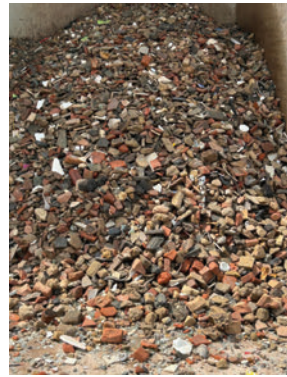
# Aggregate Washing & Screening



Feed



Filter cake



Floats



Sinks

Another advantage was the ability to integrate the new module with the site's existing water management system. As PSH already operates a fines washing system with a fully closed-circuit effluent treatment plant, incorporating a Parnaby high-rate thickener and multi-roll belt press filter, the slurry generated by the washer barrel unit could be easily processed through the same treatment system.

Commenting on the installation, Daniel Parker said: "We are very pleased with the new washer barrel line – it's doing exactly what we require. We can now carry out less

preparation of the coarse material through our MRF, as we know the washer barrel can handle the level of organics present. It does an excellent job of separating the inert materials from the waste.

Parnaby continue to provide great support, just as they have done with the fines plant installed two years earlier."



# Delivering Excellence on Site: The Strength Behind TEMA ISENMANN

Since its origins in the 1960s, TEMA ISENMANN has consistently positioned itself at the forefront of the UK quarrying industry, delivering high quality, custom-engineered screening solutions tailored to the evolving needs of its customers.





While its screening media products have long set the benchmark for quality and performance, TEMA ISENMANN has, in recent years, taken a strategic step further to maintain its status as the industry leader. Recognising that product excellence must be matched by operational support, they have invested significantly in strengthening their on-site presence. This has included the expansion and development of dedicated service teams, the recruitment of skilled personnel, and the introduction of a modernised fleet of service vehicles. Together, these enhancements enable a faster, more responsive service, ensuring customers across the UK in any quarrying environment can benefit not only from industry leading products but also from expert installation, maintenance, and technical support delivered directly at the quarry face.

As a direct result, TEMA ISENMANN has secured ongoing maintenance responsibilities, working directly with screening media, at several of the UK's flagship quarrying operations. This reliability, coupled with a proactive approach to scheduled inspections and maintenance, has helped build strong, long-term relationships with key operators. In many cases, this has seen TEMA ISENMANN transition from a traditional supplier to a trusted service partner, playing an integral role in maintaining efficiency and productivity at some of the industry's most high-profile sites.

Recent successes on site have come from delivering tailored TEMA ISENMANN Wear Management packages that include Cost Per Tonne Maintenance, Scheduled Maintenance, One-off Maintenance Packages, Comprehensive Site Surveys, and Unplanned Call Out Maintenance Support. Each package is carefully designed in collaboration with the customer, ensuring that it aligns precisely with their operational requirements and priorities. TEMA ISENMANN's highly trained and competent engineers execute each task with expertise and thoroughness, and detailed reports are generated via various platforms

following every visit, providing a complete record and closing the loop on each project from start to finish.

Beyond the routine maintenance, TEMA ISENMANN provides a comprehensive support in product gradings and technical optimisation. These fine details are expertly met with precise aperture selection and polyurethane compound choice. This expertise is reinforced by a technical and management team with decades of industry experience, alongside the added strength of colleagues from sister companies across the globe, enabling the sharing of knowledge, best practice, and innovative solutions to support customers in most demanding applications.



TEMA ISENMANN's global team empowers the company to sustain innovation while continuing to design and manufacture its own high-quality products; including Woven Wire, Self-Cleaning Wire, Rubber, Polyurethane, Side/End Tensioned Screens, a full range of Modular Systems, and a Patented Magnetic Liner and Modular System.

# Elite Precast Concrete make bay-building easy

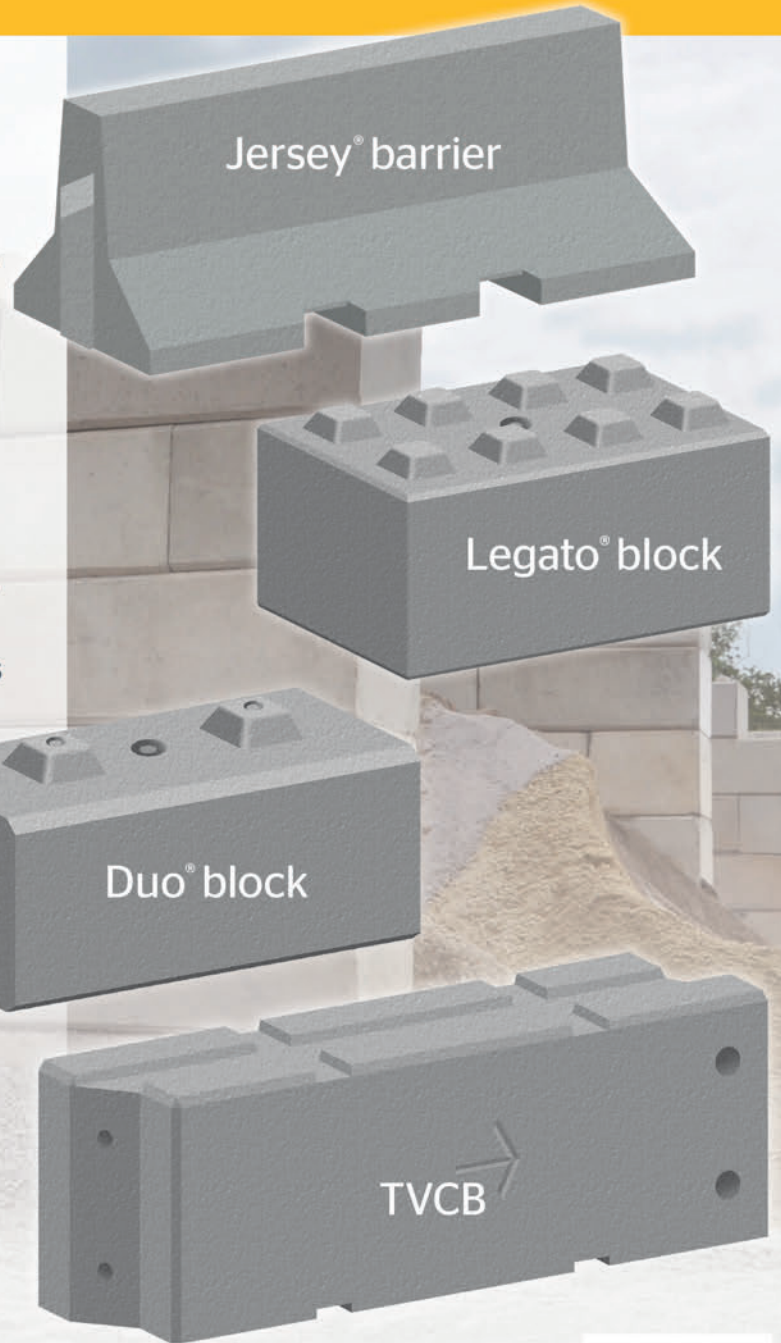
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## NPORS and CSCS Card Scheme: A Route to Competence for Mobile Plant Operators

Across UK industries, demonstrating competence and maintaining high standards of safety is essential. One of the most effective ways operators prove their skills and knowledge is through recognised accreditation schemes. The National Plant Operators Registration Scheme (NPORS) is one of the UK's leading accrediting bodies for mobile plant training across a wide range of industries including construction, agriculture, and utilities.

For those working specifically within construction, NPORS also offers cards affiliated with the Construction Skills Certification Scheme (CSCS). CSCS cards are widely recognised across the industry and demonstrate that operators have met the training requirements and health and safety standards needed to work safely within the construction sector.

### Your NPORS Route to Competence

The NPORS CSCS route provides a structured pathway from initial training through to recognised occupational competence.

#### Step 1: Complete Formal Training

The first step is to complete formal NPORS accredited training, through an approved provider, for the plant category you intend to operate.

After successfully completing both the theory and practical elements, operators can apply for their NPORS Traditional Operator Card.

#### Step 2: Applying for the NPORS CSCS Trained Operator Card

Operators working in construction who require an NPORS card with the CSCS logo, must have passed the Health, Safety and Environmental Touch Screen Test within the last two years of the application. The test assesses a candidate's understanding of construction site safety principles.

Once the application is approved, operators will receive the NPORS CSCS Trained Operator Card, commonly known as the NPORS Red Card. This confirms that the holder has completed the relevant training but has not yet achieved the required vocational qualification.

The card is valid for two years, during which time operators are expected to complete the appropriate NVQ in construction plant operations.

#### Step 3: Complete the Relevant NVQ Qualification

NVQs are assessed in the workplace, allowing operators to demonstrate their competence while carrying out their normal job role. A qualified assessor observes the operator and confirms that they can apply their skills safely and effectively in real working conditions.

#### Step 4: Upgrade to the NPORS CSCS Competent Operator Card

Once the NVQ qualification has been successfully completed, operators can upgrade to the NPORS CSCS Competent Operator Card, also known as the NPORS Blue Card.

This card is valid for five years and is issued with a CPD Record and Operator Logbook to help track ongoing experience and professional development.



#### Step 5: Renew Through the Experienced Worker Test

At the end of the five-year period, operators can renew their card by completing an Experienced Worker Test (EWT), which extends the card for a further five years. The test confirms that they continue to meet industry standards and maintain the knowledge and practical skills required to operate mobile plant safely.

#### Supporting Industry Standards

The NPORS card scheme provides a clear pathway from initial training to industry recognised competence, helping operators to develop their skills and progress their careers while giving employers confidence that their workforce meets industry standards.

Certora supports employers by providing the full pathway to obtain the NPORS CSCS Competent Operator Card, from initial NPORS training to delivering the relevant NVQ and the Experienced Worker Test.

For more information, speak to a member of Certora's team on 01246 386900.

#### CITB Grant Scheme and Funding

The CITB Grant Scheme provides financial support to employers within the construction industry to help cover the cost of training their workforce. The funding aims to support skills development across the sector and ensure workers have access to accredited, industry-recognised training.

Eligible employers may be able to claim grants for a range of approved mobile plant training courses and vocational qualifications, provided the course meets the relevant criteria.

For further guidance on the CITB Grant Scheme, contact a member of Certora's team.

## VEGA level transmitters in open-cast mining: Precise measurement under harsh conditions with 80-GHz radar

**Open-cast mining is faced with harsh conditions which can push even the measurement technology used to its limits. Fortunately, Regnars can rely on the precise measurement data to control their production processes. Radar-based level transmitters from VEGA provide the necessary transparency even under difficult conditions of open cast mining, guaranteeing efficiency and safety.**

Melaphyre is a fine-grained basalt rock is used in mining as raw material for building materials, concrete and road aggregates. Melaphyre processing is a multi-stage process that requires precise measurement at many points. At the Tłumaczów open-cast mine operated by Regnars in Lower Silesia, Poland, level measurement of the material in crushers, mills and silos is extremely important. The ultrasonic measuring instruments previously used for this purpose were unreliable and unsuitable for the harsh operating conditions. The solution to these problems came in the form of VEGA level transmitters, in particular the VEGAPULS BASIC series.

### How VEGA radar transmitters withstand the harsh conditions in open-cast mining

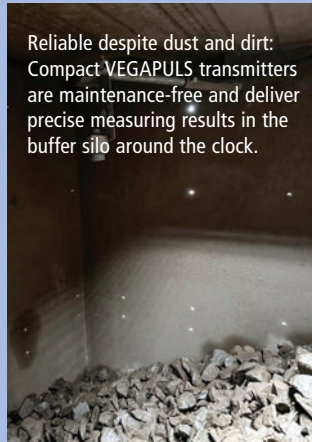
The 80-GHz radar technology used by VEGA enables non-contact measurement, keeping the transmitter at a safe distance from the actual measuring point. This minimises the risk of damage or interference from the production processes themselves. Additionally, VEGA radar level sensors are unaffected by temperature fluctuations, vacuum, or pressure, and unaffected by dirt and dust.

Conditions like dust, vibration, stone chips and changing weather conditions greatly affect ultrasonic transmitters cause malfunctions. These such conditions are no problem for VEGAPULS BASIC level transmitters. The instruments are robust and hard-wearing, and operate continuously with high accuracy. With 80 GHz radar sensors, you can focus the beam precisely, allowing VEGA radar transmitters to measure even in narrow shafts, through dust clouds or in vessels with internal fixtures. Even dust-covered antennas have little effect on the measuring result.

### Endurance test for VEGA level transmitters

The VEGAPULS BASIC radar transmitters demonstrated their strengths at Regnars. To ensure smooth operation, they measure the level of melaphyre in the crushers and buffer

Reliable despite dust and dirt: Compact VEGAPULS transmitters are maintenance-free and deliver precise measuring results in the buffer silo around the clock.



VEGAPULS radar transmitters of the BASIC series measure the level of raw material in the crushers.

silos. Whether as wire-connected VEGAPULS C 21 and VEGAPULS C 23 in the silo or as VEGAPULS 11 and VEGAPULS 31 with local display, the transmitters provide transparency and keep the process running.

### Simple mounting, trouble-free installation

VEGA offers a wide range of accessories and various mounting brackets alongside intuitive setup and commissioning to ensure smooth into existing processes.

To make it as easy as possible to access measured values and parameters, the transmitters can be operated both locally and remotely with our free VEGA Tools App and via Bluetooth communication with a smartphone or tablet. This feature is particularly useful for difficult to access areas, like those located in Ex hazardous zones or under harsh environmental conditions of open-cast mining, such as in Tłumaczów.

### Conclusion

Regnars has been using VEGAPULS BASIC transmitters since summer of 2023. The results speak for themselves: Trouble-free and precise measurement of the required levels under difficult conditions. VEGA level transmitters not only ensure the required product quality by guaranteeing efficient, stable and uninterrupted mine operation and ensuring safety above all.



# Hillhead: Turn up with intent



My first Hillhead was when I was 16. Since then, I've seen just about everything happen in that quarry.

Major launches. Packed demonstrations. Quiet stands that shouldn't have been quiet. Quick conversations that turned into long-term partnerships. And the one consistent theme? The people who get the most out of Hillhead arrive with a plan.

For exhibitors, it's not just about the machinery on display, it's about the people representing it.

Hillhead is a unique, high-energy environment. Your team needs more than product knowledge; they need to know how to work the space. How to open conversations confidently,

How to qualify interest quickly. How to capture meaningful information and how to agree clear next steps.

Culture matters. Is your stand welcoming and proactive, or is your team waiting to be approached? Energy is contagious. A stand with purpose naturally draws people in.

Crucially, follow-up should be planned before the show even begins. The most successful exhibitors treat Hillhead not as a three-day event, but as the starting point of a structured sales and relationship campaign. Where relationships already exist it's an opportunity to further strengthen these business relations in an environment away from their place of work, something many business owners don't often get the opportunity to do.

For visitors, intent is just as important.

Without a plan, it's easy to wander and leave with little more than sore feet and a stack of brochures. Ask yourself: who do I need to see? Where are they positioned in the show layout? What decisions need progressing? Who would I like to discover if time allows?

Design your day. Prioritise. Book ahead.

## Final thoughts...

Whether you're exhibiting or attending, Hillhead is an investment of time, money and energy. The quarry provides the platform, but preparation determines the return.

Turn up with intent, and you'll leave with impact.



# Challenges with noise and dust? For us it's no problem.



## **VEGAPULS 6X**

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- Non-contact operation - safe, reliable and maintenance-free
- Easy measuring beam alignment with swivel bracket and aiming app

## Interlocking Concrete Blocks: A Sustainable, Cost-Effective Solution for Modern Quarrying

### Meeting the Growing Demand for Sustainable Quarries

**Sustainability is no longer optional within the UK quarrying sector believes Owen Batham, Sales & Marketing Director at Elite Precast Concrete. “It is a commercial and environmental imperative, as operators are under increasing pressure to reduce carbon impact, minimise waste and adopt circular practices without compromising structural performance or timelines.”**

Interlocking precast concrete blocks are emerging as a practical solution that meets these demands, he continues. Combining durability, flexibility and reusability, systems such as Elite Precast’s Legato® and Duo™ blocks offer long-term value while supporting more sustainable building methods.

#### What Are Interlocking Concrete Blocks?

Interlocking concrete blocks are large precast units manufactured with a jointing system that allows them to slot securely together and as they require no mortar or specialist fixings, installation is straightforward and fast, often with minimal ground preparation.

#### Typical applications include:

- Non-decorative retaining walls
- Aggregate and material storage bays
- Waste management bays
- Flood defence barriers
- Silage clamps
- Temporary structures
- Security walls
- Industrial partitioning

Their versatility makes them suitable across quarrying, construction, recycling, logistics and heavy industrial environments.

#### Why Interlocking Blocks Support Customer Sustainability Goals

##### Reusable and Reconfigurable

One of the most significant sustainability advantages of interlocking block systems is their reusability. Unlike traditional blockwork or cast in-situ concrete walls, they can be:

- Dismantled
- Relocated
- Reconfigured
- Reused on future projects

This flexibility dramatically reduces demolition waste and supports customer circular use principles, allowing materials to remain in use for decades.

##### Reduced On-Site Waste

As both Legato® and Duo™ blocks are manufactured offsite in controlled factory conditions, production processes are optimised to minimise material waste.

On site, there is no requirement for mortar, shuttering or excess raw material deliveries.

#### This leads to:

- Cleaner sites
- Reduced disruption
- Lower material wastage
- Improved installation efficiency





## Lower Carbon Impact Over the Lifecycle

While concrete production carries an inherent carbon footprint, the longevity and reusability of precast interlocking blocks significantly offset this impact over time.

### Their durability results in:

- Fewer repairs
- No recurring replacement cycles
- Reduced long-term material consumption

When evaluated over their full-service life, interlocking blocks present a strong case for sustainable infrastructure investment.

### Minimal Ground Preparation

In many applications, interlocking blocks can be installed on suitable foundations. This can reduce the need for excavation, additional concrete pours and extensive groundwork, which in turn cuts both environmental impact and project costs.



## Built for Longevity and Performance

### Precast concrete offers exceptional resistance to:

- Weathering
- Impact damage
- Fire
- Moisture
- Corrosion

This structural durability ensures long service life in demanding environments, further reducing the need for replacement materials and ongoing resource consumption.

### Commercially Efficient as Well as Sustainable

Environmental responsibility must align with commercial reality. Elite's interlocking block systems deliver both with benefits including:

- Rapid installation
- No specialist trades required

- Immediate load-bearing capacity
- Reduced labour costs
- Minimal ongoing maintenance

For quarries operating to tight deadlines, this translates into faster project completion and lower overall expenditure.

Ideal for Temporary and Permanent Infrastructure

Flexibility is critical in quarries, as regulations change, operational requirements evolve and storage needs fluctuate.

### Interlocking concrete blocks allow businesses to:

- Adapt site layouts as operations expand
- Create temporary partitions or bays
- Increase storage capacity
- Reconfigure infrastructure in response to regulatory changes

Avoiding permanent construction that may later require demolition also helps further reduce waste and supports long-term sustainability strategies.



### Supporting Sustainable Quarry Management Across the UK

Elite Precast Concrete manufactures high-performance interlocking concrete blocks designed to meet the structural and environmental demands of modern quarry management.

Available in a range of sizes and manufactured to strict quality standards, these systems provide reliable, long-term solutions nationwide.

### Future-Proofing Quarries

Sustainability must work alongside performance, compliance and budget control.

Interlocking concrete block systems achieve this balance by delivering structural integrity, operational flexibility and measurable environmental benefits.

For businesses looking to compete in an increasingly sustainability-driven marketplace, modular precast solutions represent a practical and forward-thinking choice, concludes Owen.

To find out more please visit [www.eliteprecast.co.uk/interlocking-blocks/](http://www.eliteprecast.co.uk/interlocking-blocks/) or call 01952 588885 to speak to the Elite team.

Photos from RSG Structures



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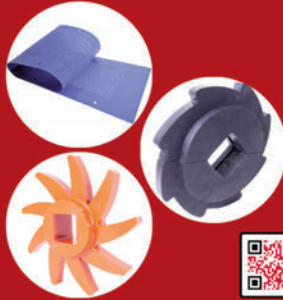
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**Engineering business for sale in the Midlands due to imminent retirement. The Company is ideally located close to all major road networks.**

The leasehold facility is approx 13,500 Sq Ft and is serviced by 2 No 10T overhead gantry cranes and a variety of CNC machines including thermal cutting profilers, machining centres and lathes.

The Company specialises in producing abrasion resistant components for various industrial sectors, but primarily for the metal recycling and aggregate processing industries.

As the Company needs to be reactive in certain situations, a substantial stock of abrasion resistant material is always available, this material is all European origin and is of various specification in thickness and grade.

The Company has been in existence for over 25 Years and maintains a good working relationship with all of it's current customers and suppliers.

As would be expected over this period the Company has developed and generated a substantial amount of technical information and knowledge relating to current equipment in operation both in the UK and overseas.

As the Company exports into Europe, Customs clearance agents have been engaged, so import of materials and export of finished components is a seamless process.

The £1.7m - £2M turnover Company is looking to market the business as a going concern and with appropriate investment, grow the Company and increase the market capture.

**If you consider this Company may be of interest please contact the following number ...** As you'll appreciate all ongoing discussions will be dealt with in the strictest confidence.

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