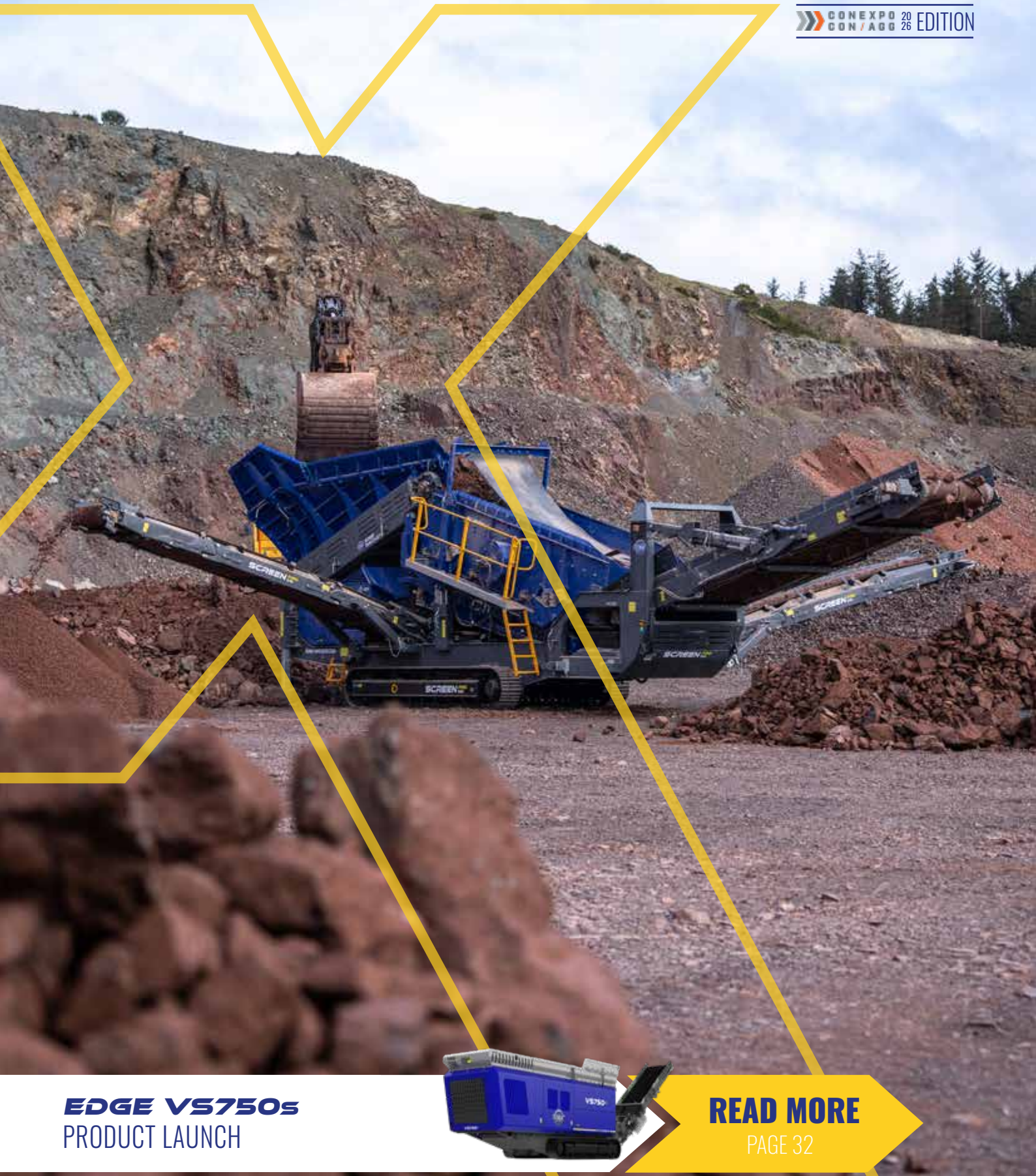
NEXT LEVEL SOLUTIONS

CONEXPO CON/AGG 2026 EDITION

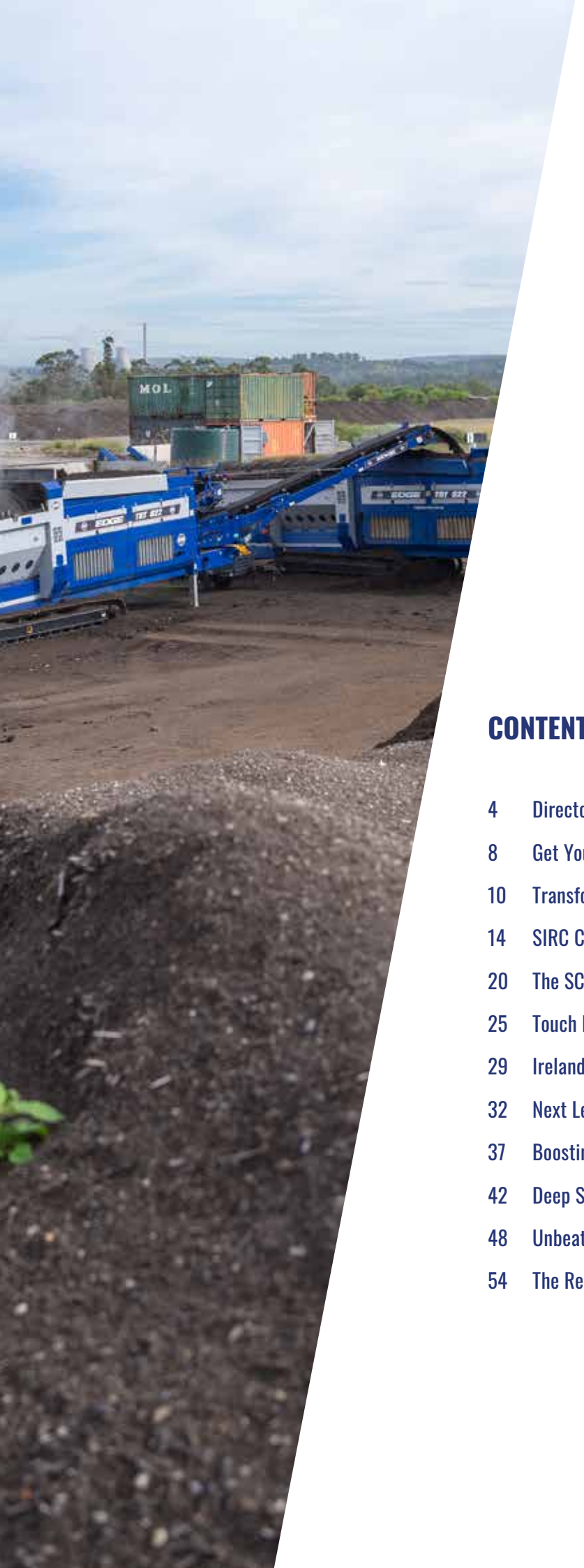


EDGE VS750s
PRODUCT LAUNCH

READ MORE
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NEXT LEVEL SOLUTIONS



INNOVATION AT WORK

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WATCH VIDEO



Director Insight

2025 A YEAR IN REVIEW

As 2025 comes to a close, it's a moment to reflect on the resilience, innovation, and dedication of the EDGE Innovate team and our global network.

This year has been a mix of challenges and achievements: unprecedented global pressures contrasted with outstanding milestones across technology, markets, and culture. 2025 was defined by significant global economic uncertainty. Geopolitical tensions, particularly ongoing conflicts in Ukraine and the Middle East, impacted supply chains, energy costs, and market confidence. Discussions around tariffs and shifting political landscapes added further volatility to international trade, demanding strategic agility.

Amid these challenges, EDGE Innovate not only endured but thrived. Our focus on delivering exceptional products, nurturing client relationships, and investing in our people has remained unwavering. Reaching customers worldwide was a highlight of 2025. We showcased our product lines at key events across four continents, including Compost 2025 in Phoenix, the AED Summit in Orlando, Waste Expo Las Vegas, and Bauma 2025 in Munich, where we unveiled the S18.

Our European VS420 Demo Tour, spanning 14 sites across four countries, demonstrated strong demand for our high-torque shredding technology. Industry recognition followed: we received a Silver Award for "Technology of the Year" at the Middle East Waste & Recycling Awards and were named one of Ireland's Best Managed Companies for the eighth consecutive year. Product innovation also marked the year. We launched the mobile SCREENPRO S16 with 600tph capacity and hybrid power options and installed our first Dual Power SCREENPRO S18 units in Europe and Africa, reinforcing our commitment to electrification and sustainable solutions.

EDGE Innovate's strength lies in our people. This year we introduced our first EDGE Wellness Day, launched a formal Apprenticeship Mentoring Program with eight new apprentices, and continued our STEM initiatives in local schools. We celebrated the first cohort of Mega Degree Apprenticeships and witnessed the overwhelming response to the "Grow Strong for Collie" challenge, honoring our colleague Colin Keegan while supporting the Niamh Louise Foundation.
We also advanced our Lean journey with the arrival of a Lean Transformation Leader, driving efficiency and operational excellence.

The global economic outlook for 2026 remains cautious but promising. Gradual GDP growth and continued emphasis on circular economy principles align directly with EDGE Innovate's strengths. Next year, we will launch the highly anticipated VS750s at CONEXPO 2026, bring the SCREENPRO S16 to the US market, and participate in major exhibitions like IFAT Munich and Hillhead. Expansion and development of our high-torque shredder and SCREENPRO ranges will continue to drive our growth.

To the EDGE Innovate team: your resilience, commitment, and drive have been the foundation of our success.
To our global distributors and suppliers: your trust, collaboration, and support have been central to what we've achieved not only in 2025, but in building a strong future together.

2025 was complex but successful. With the strength of our people, innovation, and partnerships, I am confident that EDGE Innovate will continue to adapt, lead, and build the future machine by machine.



Darragh Cullen, EDGE Innovate Managing Director

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OUR PRODUCTS:

EDGE INNOVATE'S RANGE OF PRODUCTS HAVE BEEN DESIGNED TO PROVIDE THE MOST EFFICIENT AND COST EFFECTIVE MATERIAL HANDLING AND RECYCLING PROCESSES POSSIBLE.

SHREDDING



VS750i



VS750s



VS420



SLAYER XL (T)



SLAYER XL (W)



SLAYER XL (HL)



VS750i (Static)

STACKING



MS SERIES



TS SERIES



TSR80



MTS140



FS SERIES *wheeled version only



LTS SERIES



RTU220



FTS RADIAL

SCREENING



TRM831



TR622 SERIES *wheeled version only



TRT620



TR516 SERIES *wheeled version only



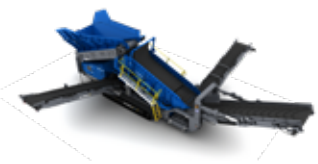
COLORPRO



SM186



SCREENPRO S18



SCREENPRO S16

SEPARATING



MC1400



MPS48

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EDGE INNOVATE TO UNVEIL LATEST INNOVATIONS AT CONEXPO

"Get Your EDGE" with Next-Generation Screening and Shredding Solutions

EDGE Innovate will once again use CONEXPO-CON/AGG 2026 as the global launch platform for its latest material processing innovations, reinforcing its "Get Your EDGE" message and its focus on higher productivity, lower operating costs, and long-term reliability. Exhibiting in the Silver Lot, EDGE Innovate will debut the new VS750s high-capacity waste shredder and showcase the SCREENPRO S16, now officially available to the North American market.

Making its first public appearance at CONEXPO 2026, the VS750s marks a major advancement in slow-speed, high-torque shredding technology. Purpose-built for large-scale recycling and waste processing applications, the VS750s is engineered to handle high volumes of difficult and variable waste streams while maintaining consistent output and exceptional control. Weighing 53 tonnes (59.3 US tons), it is one of the largest and most powerful shredders currently available on the market.

Powered by a Caterpillar C18 Tier 4 Final / Stage V engine, the VS750s delivers the torque and durability required for demanding, high-throughput operations. To support different operational and sustainability requirements, the machine is available in both direct drive and electric hybrid configurations, offering improved fuel efficiency and reduced emissions. A heavy-duty twin-shaft shredding chamber, combined with intelligent load management, protects the drivetrain, reduces wear, and maximises uptime when processing materials such as municipal solid waste, construction and demolition waste, green waste, wood, biomass, and industrial waste.

EDGE Innovate will also highlight the SCREENPRO S16, a compact, high-performance scalping screen designed to deliver the output and versatility of larger machines in a more flexible footprint. Capable of processing up to 600 tonnes per hour, the SCREENPRO S16 features a dual-deck 4.9m x 1.5m (16' x 5') screen, adjustable screening angles, and multiple screen media options to suit a wide range of aggregate and recycling applications. Optional overband magnets and magnetic head drums further enhance ferrous metal recovery.

Designed with uptime, safety, and ease of maintenance in mind, the SCREENPRO S16 incorporates intelligent load management, hydraulic folding conveyors, excellent service access, and a Caterpillar Tier 4 Final / Stage V power unit, with hybrid options also available.

From shredding and screening to complete material handling systems, EDGE Innovate continues to engineer robust, practical solutions that give operators a real competitive edge.



EDGE INNOVATE PRODUCTS ON DISPLAY

1.



EDGE SCREENPRO S16 COMPACT, POWERFUL SCREENING

EDGE Innovate has expanded its screening range with the launch of the SCREENPRO S16, now available to customers across the North American market. Designed for mid to large-scale operations, the compact, high-capacity two-deck screener builds on the success of the SCREENPRO S18, delivering proven performance in a more transport-friendly format. Capable of processing up to 600 tonnes per hour, the S16 features a 16' x 5' dual-deck screen, adjustable screening angles, and multiple media options for aggregates and recycling. With remote operation, efficient transport, and Caterpillar Tier 4 Final power with hybrid options available; the SCREENPRO S16 delivers flexibility, productivity, and low operating costs.

SCREEN BOX:	4.9m X 1.5m (16' X 5')
HOPPER CAPACITY:	13m^3 (17yds^3)
SCREENING ANGLE:	14-20°
POWER SOURCE:	CAT3.6 100Kw (134HP)

2.



EDGE VS750s NEXT LEVEL SHREDDING POWER

EDGE Innovate has unveiled the new VS750s, a high-capacity slow-speed shredder designed for large-scale recycling and waste processing applications. Weighing 53 tonnes, the VS750s is one of the largest and most powerful shredders in its class, delivering exceptional torque, control, and throughput. Powered by a Caterpillar C18 Tier 4 Final / Stage V engine, and available in direct drive or electric hybrid configurations, the VS750s efficiently processes demanding waste streams while maximising uptime, reducing wear, and lowering total cost of ownership.

SHREDDER TYPE:	Vertical Slow Speed
NUMBER OF SHAFTS:	2
SHAFT LENGTH:	2.5m (8'2")
MAXIMUM TORQUE:	480,000Nm
POWER SOURCE:	CAT C18 563Kw (755HP)

TRANSFORMING ORGANIC WASTE

WITH BETTERGROW





Bettergrow, is an Australian leader in organic residuals recovery and recycling. The company has been transforming waste into valuable products since 1978 with Bettergrow specializing in the conversion of organic waste into composts, fertilizers, and soil rehabilitation products. With operations across New South Wales, Bettergrow utilizes advanced technologies to offer sustainable solutions for various industries. One of those operations is located in Ravensworth on the AGL mine site where Bettergrow is dedicated to transforming waste into valuable resources for mine rehabilitation and agricultural use.

Mark Waldron, Operations and Sales Manager at Bettergrow, emphasizes the company's innovative recycling approach at the Ravensworth site. "Bettergrow utilizes recycled green waste from Newcastle City Council to produce compost. We blend this with our solids for mine rehabilitation and agricultural purposes in pasture land," he explained. Sustainability forms the cornerstone of Bettergrow's operations, as they breathe new life back into the AGL mine site. The importance of compost utilisation in this process is underscored by a recent study by the Australian Recycling Organics Association (AORA) which shows how compost leads to soil enrichment by replenishing nutrients and organic matter, aids in improved water retention, prevents erosion, reduces methane emissions through carbon sequestration whilst also diverting organic waste from landfill.

To enhance their recycling capabilities at the Ravensworth site, Bettergrow has partnered with EDGE Innovate's official Australian distribution parnter, FOCUS enviro, a company specializing in the supply of advanced waste processing equipment. The company provides bespoke solutions and top-tier equipment to support the waste and organic industries in Australia and New Zealand. Their services include operational training, technical support, with a large inventory of parts and consumables on hand to ensure maximum uptime for their customers' operations.

Bettergrow has invested in several pieces of advanced equipment from FOCUS enviro, including three EDGE Innovate TRT622 track trommels. These trommels are equipped with 40mm, 20mm, and 12mm screen media, which have significantly improved the efficiency and cleanliness of the final product created. An EDGE MC1400 wind shifter, another crucial piece of equipment, effectively separates plastic contaminants from the upcoming waste timber. Bettergrow have recently added a water bath from European manufacturers WIMA with the purpose of improving the separation of rock from the incoming timber waste stream.

The EDGE Innovate TRT622 is known for being the largest track-mounted trommel available in Australia. The unit offers high production rates and exceptional screening capabilities, making it ideal for various recycling applications. Key features of the EDGE TRT622 include; a 6.9m long screen drum with variable speed and adjustable screening angle.

"The EDGE Innovate TRT622 trommels have helped us to increase productivity and efficiency..."





EDGE Innovate's leading intelligent load management system ensures optimum screening performance and uptime. A heavy-duty construction design and high manoeuvrability make the EDGE TRT622 the ideal trommel screen for the Australian market. The machine's eco-power saving functionality only adds to its operational efficiency and reduced environmental impact.

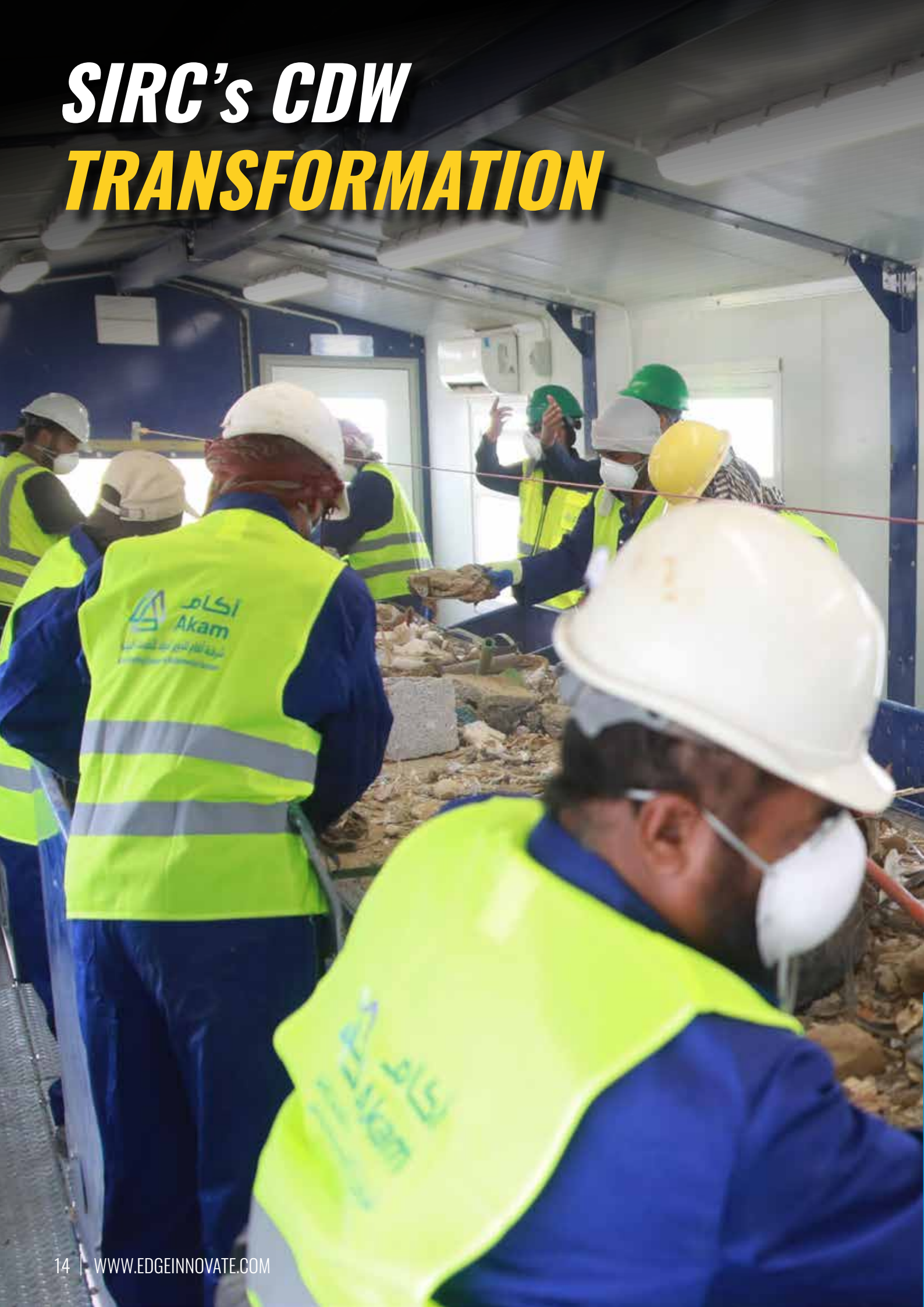
Mark Waldron emphasized the importance of this equipment in Bettergrow's operations. "The three EDGE trommels have helped to increase productivity and produce a much cleaner product. We can screen from 20mm to 12mm directly, ensuring a clean end product," he explained. The collaboration with FOCUS enviro extends beyond just equipment provision. "FOCUS enviro are a great help to us on site. They have trained personnel that can come out and sort out any glitches or any electrical issues and have a good knowledge in what the machines are capable of, so they can help to increase throughput with a few tweaks as well as facilitating the training of our own staff".

Bettergrow's dedication to environmental sustainability, combined with the cutting-edge technology from EDGE Innovate and support from FOCUS enviro, positions them as a leader in the waste recycling industry. Their innovative use of recycled green waste for mine rehabilitation and agricultural applications showcases their commitment to creating a greener, cleaner future.

WATCH VIDEO



SIRC's CDW TRANSFORMATION





EDGE Innovate scales new height with its latest CDW Waste Processing Plant for AKAM in Saudi Arabia, featuring robust, scalable technology. Saudi Vision 2030 outlines a strategic path towards economic diversification, environmental sustainability, and a significant reduction in landfill dependency. By enabling the transition towards a circular economy, it aims to achieve resource efficiency, material reuse, and waste minimization.

One of the key national objectives supporting this transition is the target to divert 60% of construction and demolition waste (CDW) from landfills by 2035.

Supporting this ambition is EDGE Innovate, a global leader in recycling and material handling solutions, which has successfully delivered and commissioned a new static waste processing plant for the Saudi Investment Recycling Company (SIRC). The facility is operated by AKAM Recycling Company, a subsidiary of SIRC, and plays a critical role in advancing the Kingdom's circular economy goals.

PROJECT OVERVIEW

Commissioned in August 2024, the new facility is a highly efficient plant capable of processing 50 tonnes per hour (TPH) of CDW, while removing up to 6 TPH of contaminants such as wood, gypsum, plastics, and metals. This ensures the recovery and reuse of valuable materials including clean stone, wood, and ferrous metals, contributing to the circular economy by diverting recyclable materials from landfill and reintroducing them into the local supply chain.

EDGE Innovate was selected for its proven expertise and previous successful installations in the region, including its role in the development of Saudi Arabia's first construction waste recycling facility in Al Khair, Riyadh. That landmark facility, commissioned in 2021, continues to process over 600TPH and targets a recycling rate of over 90%. This latest project builds on that foundation, prioritizing region-specific design, rugged reliability, and future scalability.
For AKAM, this facility marks a strategic milestone in its long-term commitment to sustainable waste management and landfill diversion. It was awarded a Guinness World Record for receiving and processing over 3 million tons of construction and demolition waste—demonstrating its significant impact. The new facility expands its capacity to scale these efforts in line with the circular economy and environmental targets under Vision 2030.

PROJECT OBJECTIVES AND EQUIPMENT SUPPLIED

The core objective of this latest project was to provide a highly efficient manual and automated sorting solution tailored to the Saudi Arabian market's CDW recycling needs. Key to the design was ensuring the plant could manage feed material ranging from 50–350mm in size, delivering a throughput of 50TPH.

This was achieved through the integration of EDGE's industry-leading equipment, designed to operate in harsh environments while offering energy-efficient performance. Equipment supplied by EDGE Innovate includes a fully enclosed, three-bay Modular Picking Station (MPS48) and a low-level feed hopper—both fully electrically powered.

At the heart of the plant is the EDGE MPS48, widely regarded as one of the most robust, durable, and user-friendly picking stations on the market. Designed with scalability in mind, its modular bay configuration allows for future expansion as production demands grow.



Steven Conway, Territory Sales Manager at EDGE Innovate, says his company's key strength lies in its ability to deliver flexible, tailored recycling solutions.

"For this project, EDGE modified AKAM's existing designs for both the MPS48 and LTS feeder to ensure reliable operation in the region's harsh environmental conditions and extreme heat,"

The equipment was initially configured to run on generators due to the site's remote location but is future-proofed for a switch to electric power as infrastructure develops—supporting AKAM's shift toward greener operations.

A key addition to the plant is EDGE's new AirMax system, which removes light materials from CDW at the sorting line entrance, improving segregation quality and enhancing the value of recycled outputs. For the AKAM team, the goal is to reduce carbon emissions, conserve natural resources, and eliminate visual pollution. And from an economic perspective, it aims to create new job opportunities, reduce waste disposal costs, and strengthen the recycled materials market, positioning it as a reliable and cost-effective alternative for the construction industry.

EXEMPLIFYING OPERATION EXCELLENCE

SIRC, fully owned by the Public Investment Fund, is leading Saudi Arabia's charge toward a circular economy.

Through its investment arm, AKAM Recycling Company, SIRC processed 16 million tonnes of CDW waste in 2022 alone. AKAM's efforts include the "Green Cement Block Industry Initiative," which recycles concrete waste for reuse in cement block manufacturing, reducing dependency on virgin materials and limiting illegal dumping.

The company is committed to scaling sustainable waste operations, with more than SAR 160 million already invested in expanding recycling infrastructure. With headquarters in Riyadh and operations across multiple locations, AKAM exemplifies operational excellence, managing a fleet of over 3,600 trucks per day and achieving a 15-fold increase in revenue between 2021 and 2022.

A PARTNERSHIP DRIVING SUSTAINABILITY

This project strengthens the ongoing collaboration between EDGE Innovate and SIRC, further solidifying EDGE's position as a trusted partner in the Kingdom's waste management transformation. Conway notes that the collaboration has strengthened in recent years, largely due to the trust built on EDGE's 30+ years of global recycling experience. "EDGE has successfully delivered solutions for processing CDW and other waste streams across various regions and has consistently demonstrated openness and flexibility—particularly in adapting to the unique needs of the Middle East," he adds. The company's equipment has already been integral to major initiatives, including the flagship 1.3 million m^2 CDW processing facility in Al Khair, Riyadh, which was launched in 2021 with SIRC and processes over 600TPH with a goal to recycle 25 million tonnes of debris by 2035.



Conway credits the strong collaboration with SIRC to EDGE's frequent site visits, detailed waste composition analyses, and ongoing transparent communication.

Since the first AKAM installations in 2020, EDGE has shown unwavering commitment to supporting its operations, he highlights. Naturally, this dedication has reinforced AKAM's confidence in EDGE. According to the AKAM team, "EDGE Innovate's technology enhances our operational efficiency by allowing greater recovery of reusable materials and minimizing waste. Their systems reduce manual handling, optimize energy consumption, and improve output quality—directly supporting our commitment to sustainable and low-emission recycling practices."

"EDGE equipment has significantly improved material flow and increased recovery rates of recyclable materials. It has also helped reduce contamination levels in output. Operationally, the equipment offers flexibility, easy maintenance, and ergonomic design— minimizing downtime and improving daily operational performance," the team points out."We take pride in working with a technology partner like EDGE Innovate. Their expertise and adaptability support our long-term vision of transforming Saudi Arabia's waste management sector—helping us move toward a cleaner, more resilient, and resource-efficient future," the statement reads.

SUPPORTING SAUDI VISION 2030

Saudi Arabia's construction and demolition recycling market is undergoing rapid growth and professionalization, through tighter permitting and reporting requirements, along with financial penalties for landfill usage.
The EDGE Innovate plant supports this transformation by offering high-efficiency, scalable technology designed for demanding applications—ensuring contractors and municipalities can meet their diversion obligations and sustainability commitments.

With this latest successful installation, EDGE Innovate continues to demonstrate its capabilities in designing, manufacturing, and delivering world-class waste processing solutions.

Conway sees continued opportunities within the market as waste management practices are continuing to develop. "As companies segregate both the legacy and new waste, further processing of the individual waste streams may be required to produce sellable products as they push towards developing a circular economy. We look forward to continuing to support many of the key stakeholders within the waste management sector throughout the Middle East region as they strive for a greener and more sustainable future," he asserts.



GET YOUR EDGE



RADIAL STACKER | TRACK STACKERS | TRACK FEED STACKERS | TELESCOPIC STOCKPILERS | TRUCK UNLOADER | TROMMELS | HIGH TORQUE SHREDDERS | DYE TROMMELS | SORTING STATIONS

Get ahead of the competition with EDGE Innovate. Our products are designed with one goal in mind: to help you lower operational costs and boost productivity. From mobile stockpilers and feeders to powerful trommels, shredders, and more, our reliable, durable, and cost-efficient equipment lets you shred, screen, separate, and stockpile with ease. Whatever your processing or material handling needs, EDGE Innovate gives you the tools to stay ahead. **Get your EDGE today!**

EDGE INNOVATION AT WORK

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BEST MANAGED COMPANIES IRELAND Platinum member

MEET THE NEW SCREENPRO S16





The SCREENPRO S16 is the latest addition to the SCREENPRO range from EDGE Innovate, following the successful launch of the larger SCREENPRO S18 in 2024. Building on the proven performance and robust design of its predecessor, the SCREENPRO S16 offers a more compact solution without compromising on efficiency or versatility.

After extensive research, innovative design, individual component testing and months of 'real life' trials, EDGE Innovate is set to officially launch its eagerly awaited SCREENPRO S16 to the North American market at CONEXPO-CON/AGG 2026.

The announcement marks a major milestone for EDGE Innovate, reinforcing its continued investment in North America and responding directly to growing demand for a compact, high-performance screening solution suited to quarrying, recycling, and rental applications.

Offering a more compact solution without compromising on efficiency or versatility, the SCREENPRO S16 builds on the proven performance and robust design of the larger SCREENPRO S18 which was launched in 2024. "The quality of the screening and the efficiency of the SCREENPRO S18 were very well received by the market and it has quickly become one of our most popular models," says Steven Conway, EDGE Innovate Territory Sales Manager.

"It's a big heavy duty machine that can tackle the most demanding of tasks, and we expect its continuing success both at home and abroad will be replicated by the smaller SCREENPRO S16 which is designed for mid to large-scale operations".

"During the research phase, we engaged closely with our distribution network to discuss specifications and the core requirements for our customers. I believe we've successfully designed and launched the SCREENPRO S16, which we feel is a robust, reliable, efficient, and is user-friendly. It's also very easy to service, maintain and transport features that we see as core requirements for any customer in the quarrying and recycling industries."

As the second product to be released in the SCREENPRO range, the SCREENPRO S16 offers the same level of reliability and innovation that EDGE Innovate customers have come to expect, now in a more compact form that meets the needs of diverse screening applications.

"Customers, particularly in the rental market, will appreciate a more compact and lightweight model that is easy to manoeuvre. The S16 is ideally suited for short-term rentals, and we are confident it will attract broad interest." says Steven.

HIGH PRODUCTION RATES

Designed to handle feed capacities of up to 600 tph, the SCREENPRO S16 delivers high production rates with precise screening. It features a 14m^2 screening surface, a wide oversize discharge conveyor, with adjustable screening angles from 14 and 20 degrees, ensuring both high throughput and exceptional product quality.





SCREEN BOX:	4.9m X 1.5m (16' X 5')
HOPPER CAPACITY:	13m³ (17yds³)
SCREENING ANGLE:	14-20°
POWER SOURCE:	CAT3.6 100Kw (134HP)

"The SCREENPRO S16 is robust, reliable, efficient, and is user-friendly. It's also very easy to service, maintain and transport

Steven Conway, EDGE Innovate Territory Sales Manager

CONTINUED ON NEXT PAGE



The SCREENPRO S16 incorporates a 4.9m X 1.5m (16' x 5') two-deck screen, with a heavy-duty feed hopper making it adept at both primary and secondary screening across a variety of materials, from construction debris to aggregates and recycled materials. This versatility is further enhanced by a range of screen media options, including woven mesh, punch plate, finger screens, and bofor (grizzly) decks, allowing users to tailor the machine to different feed materials and final grain sizes.

To meet the demands of recycling applications, the SCREENPRO S16 can be equipped with both over-band magnets and magnetic head drums for the extraction and recovery of ferrous metals.

With intelligent load management, a low-level feed hopper, 2 or 3 way split configuration, hydraulic folding conveyors, and a fully integrated power unit with large service access; the SCREENPRO S16 is engineered for ease of use and maximum operational uptime.

The user-friendly control system, featuring sequential start/stop functionality, enhances both performance and safety. To ensure minimal downtime, the screenbox encompasses hydraulic lift-up functionality for a quick and efficient mesh exchange process, supported by full access walkways on both sides of the screen.

REMOTE FUNCTIONALITY

The EDGE SCREENPRO S16 also offers added remote functionality for improved operator efficiency and safety. All major functions on the S16 including tracking, feed conveyor speed adjustment, sequential start up and hopper jacklegs can be remotely operated from a safe distance of up to 100m or in the comfort of the operator's cab.

"This is something that appeals to our customers. Operators often double up as loader or excavator drivers on site, so the ability to be able to remotely control the machine without having to move out of their cabs will be a much appreciated bonus as it will not only save time but also contribute to their health and safety."

Powered by either a Caterpillar Tier 4 Final / Stage V engine the SCREENPRO S16 drive system provides the operator with a reliable, durable and fuel-efficient solution, and in line with EDGE Innovate's commitment to sustainability; both the S16 and S18 models are available with dual power and electric hybrid drivetrains for CO2 emission-free operation.

DISCOVER MORE



THE EDGE SCREENPRO S18
TOUCHES DOWN IN NORTH AMERICA



The expansion of EDGE Innovate's range of screening equipment is the culmination of several years in design and after months of real-life trials and tests ahead of it going into full production. The highly versatile EDGE SCREENPRO S18 signals EDGE Innovate's emergence as a comprehensive screening equipment solution provider for its global distributor network and individual operators in the mining, quarrying and recycling industries.

"The EDGE SCREENPRO Series represents a huge opportunity for EDGE Innovate and our partners in North America. After years of lobbying from our distribution partners, especially in North America for us to bring out a series of track mounted screening solutions, we firmly believe this is now the right time." Lee Williamson, EDGE Innovate's North American Distributor Manager.

The EDGE SCREENPRO S18 is EDGE Innovate's first track-mounted heavy-duty scalping screen. It will form the foundation of a new, multi-size scalping screen range. The new series of SCREENPRO products will allow EDGE Innovate to satisfy differing customer requirements and budgets.

KEY FEATURES

The new EDGE SCREENPRO S18 features a dynamic 18'x6' (5.4x1.75m) two-deck screen with interchangeable flip flow and conventional scalper screens. This flexibility allows the EDGE SCREENPRO S18 to tackle screening applications that other conventional screens cannot, such as incinerator slag or wet, damp and sticky material. Other impressive design features include a low-level feed hopper, 2 or 3 way split configuration, and hydraulic folding discharge conveyors to facilitate the quick transition from operation to transport and a fully integrated power unit with large service access.

Customers can choose from a wide range of screen media options including woven mesh, punch plate, finger screens and bofor (grizzly) decks to achieve a variety of final grain sizes and to process different feed material. To meet the demands of recycling applications, the SCREENPRO S18 can also be equipped with both over-band magnets and magnetic head drums for the extraction and recovery of ferrous metals.

"The new EDGE SCREENPRO range carries the core characteristics of any EDGE product by offering; high functionality, extreme reliability, efficiency and versatility. This new range perfectly complements our current product offering and will serve to further raise and enhance the EDGE Innovate brand in North America for many years ahead." Lee Williamson, EDGE Innovate's North American Distributor Manager.





"The EDGE SCREENPRO range carries the core characteristics of any EDGE product by offering; high functionality, extreme reliability, efficiency and versatility.

DISCOVER EDGE INNOVATE'S

SCREEN PRO S18

EDGE INNOVATION AT WORK



HIGH CAPACITY SCREENING + INCREASED SCREENING VERSATILITY + INTERCHANGEABLE SCREEN BOXES + EASILY TRANSPORTED

Discover unparalleled screening efficiency with the EDGE SCREENPRO S18 Heavy Duty, Mobile Scalping Screen. With a dynamic 18'X6' (5.4X1.75m) two-deck screen featuring interchangeable flip flow and conventional scalper screens, the EDGE S18 Mobile Scalper offers flexibility like never before.



#UNMATCHEDVERSATILITY

SCREENPRO S18

TRACKED SCALPING SCREEN

DISCOVER MORE

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BEST MANAGED COMPANIES
IRELAND



EDGE INNOVATE ANNOUNCED AS ONE OF IRELAND'S BEST MANAGED COMPANIES

EDGE Innovate has been named as one of Ireland's Best Managed Companies. The company, which demonstrated superior business performance for the 8th consecutive year.

At the 17th annual Deloitte Best Managed Companies awards, 115 Irish and Northern Irish companies were recognised, including EDGE Innovate, which celebrated its eighth consecutive win.

The network of companies has a combined turnover of more than €22 billion and provide employment to over 62,000 people across a range of sectors from technology and healthcare to manufacturing. The judges examine a wide range of areas when assessing Ireland's top privately-owned businesses, considering each business' strategic planning, governance standards, financial performance, in addition to each organisation's culture, talent strategy and how they are innovating year on year. Commenting on the award Darragh Cullen, Managing Director, EDGE Innovate:

"We are honoured to be recognised as one of Ireland's Best Managed Companies for the eighth consecutive year and to continue our Platinum status with Deloitte. This accolade is a testament to the dedication and talent of our entire team, whose commitment to innovation, customer focus and operational excellence drives EDGE Innovate forward every day."

Glenn Shanley, Head of AIB Corporate Banking, said: "Ireland's Best Managed Companies is a showcase of what we see daily in AIB – the



incredible strength, ambition and resilience of our indigenous companies. The process is a celebration of strong management teams and the energy they bring to the business world. We can see many shared traits in the 2025 winners – for instance, a willingness to face challenges head on and turn them into opportunities, embedding sustainability as a priority, and creating a culture in which people are comfortable with sharing opinions and challenging each other. Congratulations to all winners, I wish them every success in the coming year."

A total of 107 companies requalified as a Best Managed Company. Eight of these achieved Gold Standard (four years as a BMC), six achieved Platinum Standard (seven years as a BMC).

The Best Managed Companies programme is currently run in over 45 countries including China, The US, Southeast Asia, The Netherlands, Belgium, Germany, Denmark, Czech Republic, Italy, Sweden, Norway, Türkiye, Mexico, Chile, and launched this year in the UK.

UNRIVALLED



SUPERIOR SEPARATION + **INTELLIGENT LOAD MANAGEMENT** + **RADIAL FINES CONVEYOR** + **ECO-POWER SAVING**

One of the largest mobile trommels on the market, The EDGE TRM831 mobile trommel screen offers high production rates with extensive stockpiling capacities thanks to its end discharge conveyor design and remote 180° radial fines conveyor. The EDGE TRM831 portable trommel is ideal for the high-capacity screening of various applications including topsoil, compost, sand, household waste and construction and demolition waste.

EDGE INNOVATION AT WORK

DISCOVER MORE

#UNRIVALLED

EDGE TRM831

TROMMEL SERIES

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IRELAND BEST MANAGED COMPANIES Platinum member



NEXT LEVEL SHREDDING POWER

Discover the New VS750s



Unmatched Power. Unrivalled Output.

EDGE Innovate has announced the launch of the EDGE VS750s, a high-capacity, slow-speed twin shaft shredder engineered to support large-scale waste and recycling operations seeking higher throughputs, improved process efficiencies, and long-term operational resilience.

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New slow-speed, high-torque shredder designed to meet growing output demands and efficiency requirements of large-scale recycling operations.

EXPANSIONS OF SHREDDER OPTIONS

The VS750s marks a significant expansion of EDGE Innovate's shredder line, which now incorporates the EDGE Slayer XL as an entry-level solution, the highly successful VS420, and the high-capacity VS750i. Together, this range provides customers with scalable shredding solutions to support business growth, site consolidation, and increased production demands.

Purpose-built for demanding applications, the VS750s is designed to process high volumes of difficult and variable waste streams including municipal solid waste, construction and demolition waste, green waste, industrial waste, wood, and biomass. Weighing an impressive 53 tons (59.4 UST), the VS750s is one of the most powerful waste shredders on the market, clearly reflecting its heavy-duty construction, high-torque design, and suitability for large-scale, high-output recycling operations.

CORE DESIGN FEATURES

At the core of the VS750s is a heavy-duty synchronised, twin-shaft shredding chamber featuring 2.5m long (8'2"), solid steel shafts with a fully welded tooth configuration. This robust design delivers extremely high production rates with excellent size reduction, even in challenging material streams.

The VS750s is powered by a Caterpillar C18 Stage V / Tier 4 Final engine, delivering the torque, durability, and reliability required to sustain continuous, high-throughput operations. To meet varying operational and sustainability requirements, the machine is available in both direct drive and electric hybrid configurations, offering customers greater flexibility, improved fuel efficiency, and reduced emissions.

Material feed efficiency is enhanced through a high-volume, tipping hopper, designed to maximise infeed capacity and ensure consistent material presentation to the shredding chamber. Hopper tipping functions can be activated via the control panel or remote control, with configurable tipping cycle times to suit different applications. Hydraulic folding hopper extensions further increase capacity and help prevent material spillage, particularly when processing bulky waste streams.

Intelligent Load Management continuously regulates shaft speed and torque to protect the drivetrain, reduce component wear, and maximise uptime. Combined with the VS Status Alert System, operators are supported in maintaining optimal loading conditions, delivering consistently high throughputs with minimal downtime. The VS750s is also controlled via the latest EDGE Operating System (EOS), providing intuitive, user-friendly access to program settings, shaft speeds, and reverse cycles.



CONTINUED ON NEXT PAGE

SHREDDER TYPE:	Vertical Slow Speed
NUMBER OF SHAFTS:	2
SHAFT LENGTH:	2.5m (8'2")
MAXIMUM TORQUE:	480,000Nm
POWER SOURCE:	CAT C18 563Kw (755HP)



"The VS750s delivers greater scale without sacrificing control or efficiency, providing a clear progression path for customers as their processing demands increase."

Tom Connolly, EDGE Innovate Global Sales Manager



Designed with serviceability and safety in mind, the VS750s offers excellent access to key components and simplified maintenance points. Quick and easy ground-level set-up ensures the machine can be prepared for operation in a matter of minutes, with no tools or working at height required. Optional twin pole overband magnet system provides effective magnetic separation, with hydraulically adjustable height and direction, and the ability to lift clear of the product conveyor when not in use. All conveyors are built using a modular design, allowing individual removal for simplified maintenance and reduced downtime.

Commenting on the launch, Tom Connolly, Global Sales Manager at EDGE Innovate, said:

"The VS750s is a direct response to what we're seeing across the global recycling market. As companies merge, centralise operations, and push for higher outputs, there's a clear need for a shredder that delivers scale without sacrificing control or efficiency. The VS750s fills a crucial gap in our range, giving customers a clear progression path as their processing requirements grow. It's built for businesses that are focused on maximising uptime, improving process efficiency, and future-proofing their operations."

The introduction of the VS750s further strengthens EDGE's slow-speed shredder offering, ensuring customers can select a machine that aligns perfectly with their current production needs while remaining adaptable to future expansion.

The EDGE VS750s will be available through EDGE Innovate's global distribution network, supported by comprehensive sales, commissioning, and aftermarket service to meet the demands of high-output waste and recycling operations worldwide.

DISCOVER MORE



BOOSTING TONNAGES
WITH EDGE'S TRM831



BOOSTING PRODUCTIVITY & EFFICIENCY

EDGE TRM831 TROMMEL SCREEN

When California's leading producer of recycled wood products wanted to increase its efficiency and productivity to meet an ever growing demand for its compost and mulch ranges it turned to its trusted partner GreenRock Equipment, the exclusive distributors for EDGE Innovate products in California, Arizona and Hawaii.

GreenRock Equipment came up with the perfect solution: the EDGE TRM831 wheeled mounted trommel, the largest mobile mounted trommel screen on the market. Encompassing a 31ft (9.3m) long screening barrel powered by a Cat C4.4 Stage V engine, the TRM831 trommel is capable of screening material up to 500m^3 (654yd^3) per hour , ensuring customers achieve better value for their business. The Californian producer of recycled wood has been serving landscape contractors, growers, businesses and homeowners throughout Los Angeles, Orange County and the Inland Empire in southern California for more than four decades. Since it first opened its doors in the mid 1980's, its green recycling operation has grown to cover almost 180 acres. It manufactures compost and mulch products from landscape trimmings and salvaged wood at one of its six green recycling facilities located throughout the Inland Empire, sourcing and transporting the wood from furniture factories, cabinet shops, lumber yards, landscaping and tree trimming operations using a large fleet of trucks.

UNMATCHED SCREENING PERFORMANCE

Instrumental in helping it to keep up with the demand for its product ranges has been the EDGE Innovate TRM831 with its unrivalled production rates, intelligent load management and extensive stockpiling capacities, incorporating a host of impressive design features such as a remote 180° radial fines conveyor as standard, and an eco-power saving functionality which reduces unnecessary running costs.

"The TRM831 is the largest wheel mounted trommel on the market. Its sheer scale provides operators with unrivalled production rates, ideal for operators seeking to boost their production capabilities. High-capacity processing equipment, such as the TRM831 will play an important role in helping Recycled Wood Products meet its production demands." says GreenRock's John Connolly.

The EDGE TRM831 portable trommel not only guarantees huge production rates but offers ultra reliability with minimum upkeep, according to John. *"Trommel screens from EDGE Innovate are simple to operate and are designed to require minimal maintenance. Customers know they will start up and consistently process large volumes of material day after day without any of the major upkeep you would associate with other products such as star screens. That's the biggest selling feature of a machine like this."*

SMART FEATURES

Like all well designed products, the EDGE trommels supplied by GreenRock are smartly designed to make operating them simple. They are loaded with a number of smart features such as an intelligent load management system that ensures the unit is running at optimum capacity at all times whilst minimizing the risk of blockages occurring, all the operator needs to do, is to keep loading in the feed stock. Full remote functionality over all major functions such a feeder speed and screening angle comes as standard, allowing the loader operator to stay in complete control from a safe distance, whilst a 180 degree remote controlled radial fines conveyor reduces the need to constantly move screened material.



HIGH QUALITY ORGANICS

"To further reduce the chances of bridging or drum overload, EDGE Innovate has complimented its intelligent load management system with a larger designed hopper opening and supplied industry leading belt widths to allow a smooth flow of material through the trommel" John says.

In the project with Recycled Wood Products, GreenRock's engineers thoroughly analyzed their feedstocks, making precise adjustments to parameters like drum speed, screening angle, feed rate, and the aggressiveness of the drum lifters. They also selected the appropriate screen media to ensure the finished product met stringent quality standards; all before the final handover was completed," John explains.



MAINTENANCE MADE EASY

The EDGE TRM831 is purpose-built to maximise operator convenience, simplify maintenance, and boost overall uptime. Key features such as a large canopy and upward-opening drum bin doors offer unobstructed access to the power unit and trommel drum, significantly streamlining routine servicing. Additionally, the hydraulic sliding feeder and hydraulically raising drum cleaning brushes enable quick and effortless drum changes; minimising downtime and keeping production moving.

Equally important is having properly trained staff. Operators who understand how to safely and efficiently run and maintain the machine contribute significantly to both productivity and workplace safety. GreenRock Equipment recognizes this, which is why, during the installation of the EDGE TRM831, they worked closely with the Recycled Wood Products service team and plant operators throughout the commissioning process. This collaboration ensured that the entire team received thorough training, empowering them to operate the TRM831 confidently and effectively from day one.

Service and support from GreenRock Equipment, the exclusive supplier of EDGE Innovate's entire product line of shredders, screeners, sorters, and stackers, is a cornerstone of their customer offering. With engineering expertise at the helm, founders John Connolly and Shea McKiver maintain a direct line to EDGE Innovate's manufacturing base in Ireland, ensuring a responsive, hands-on approach to customer care.

With a deep understanding of their customers' needs and a commitment to delivering tailored solutions, GreenRock Equipment has become a trusted partner to some of the most demanding operations on the West Coast. Their hands-on approach, technical expertise, and unwavering dedication to service and support ensure that customers not only get the right equipment for the job but also the training, maintenance guidance, and ongoing assistance required to maximise performance.




CREEKROCK EQUIPMENT
833-476-7625

DRUM DIMENSIONS:	2.3m X 9.3m (8'X31')
SCREENING ANGLE:	4-7°
HOPPER CAPACITY:	12m^3 (15.7yd^3)
MAX. FEED IN HEIGHT:	3.9m (13'1")
POWER SOURCE:	CAT C4.4 140Kw (188HP)



DEEP STACKS vs WINDROWS

Why Composting's Next Evolution is Vertical





For years, windrows have been the traditional method for composting and mulch production. However, a new approach is rapidly gaining traction, offering significant advantages: deep stacking. This innovative method is transforming organic waste management by improving space efficiency, moisture retention, temperature control, and overall productivity. Let's explore the compelling benefits of deep stacks over traditional windrows and how the EDGE FTS Mulch Master is the ideal solution for this method.

Deep stacking reimagines how organic material is managed, shifting from sprawling windrows to vertical, compact piles. This method not only optimizes limited space but also enhances moisture retention, temperature control, and microbial activity; helping deliver faster, more consistent compost and mulch while reducing labour and operational costs.

At its core, deep stacking challenges the horizontal limitations of windrows. Instead of spreading material across large footprints, deep stacks maximize vertical space, reducing land requirements by up to 40% for the same volume of material. This is a decisive advantage for urban sites, constrained facilities, or regions where land is costly. Deep stacks also reduce buffer zones thanks to lower odor emissions and runoff, optimizing land use and lowering costs.

Moisture retention is another area where deep stacks excel. By limiting exposure to wind and direct sunlight, deep stacks can hold 20–30% more moisture than traditional windrows. This reduces water consumption, minimizes labor for irrigation, and enhances sustainability, especially in hot or dry climates.

KEEPING IN CONTROL

Temperature control is equally critical. The mass of a deep stack naturally generates and retains heat, creating ideal conditions for thermophilic composting. The insulated core maintains consistent temperatures that accelerate decomposition, eliminate pathogens and weed seeds, and improve overall compost quality. Windrows often struggle with uneven heating, requiring frequent intervention, whereas deep stacks maintain stability with minimal effort.

FUELLING MICROBIAL ACTIVITY

Composting is a biological process, and deep stacks are engineered to support it. The warm, moist, and insulated environment fosters microbial activity, particularly organisms that break down organic material rapidly and efficiently. This accelerated decomposition produces a stable, nutrient-rich final product while shortening processing cycles.
Deep stacks also reduce the need for frequent turning. Unlike windrows, which require regular agitation to maintain oxygen levels and prevent anaerobic zones, deep stacks rely on natural gas exchange and thermal stratification. This lowers labour, fuel, and equipment maintenance costs without compromising compost quality.

Stable conditions within deep stacks lead to more uniform compost with predictable nutrient levels, improved nitrogen retention, and consistent texture. For commercial operators, this reduces downstream screening and quality control, increasing the proportion of saleable product and boosting margins. In an industry where efficiency and reliability define competitiveness, these benefits are increasingly valuable.




WATCH VIDEO





REAL WORLD IMPACT - BAKKE AG SERVICES

The advantages of deep stacking are not just theoretical—they are proven in practice. California-based Bakke Ag Services transitioned from windrows to deep stacking using the EDGE FTS75 Mulch Master, and the results were transformative. Space requirements dropped by approximately 60%, allowing the operation to maximize footprint and cut costs significantly.

"The EDGE FTS75 Mulch Master is extremely diverse," says Ian Baake. "We can handle raw product with ease—it never jams. Its stacking capability creates tidy, tepee-shaped piles that drastically reduce fire risk."

Improved moisture retention, reduced turning frequency, and exceptional material blending further enhanced productivity.

Bakke Ag emphasizes the machine's return on investment:

"It's a low-cost machine that gives a high rate of return. Its space-saving technology, reliability, and efficiencies are unmatched. I firmly believe this machine will never become obsolete in our industry."

While deep stacking delivers clear advantages, success requires the right equipment. The EDGE FTS Mulch Master is specifically designed to support deep stacking. Its high-output capacity, variable speed feed system, adjustable conveyor heights, and advanced mixing capabilities allow operators to build taller, more efficient stacks consistently. It reduces labor, fuel, and equipment demands while streamlining the entire workflow. By integrating this technology, composting and mulch operations can fully leverage deep stacking's benefits—enhancing productivity, improving material quality, and optimizing space and resource use.

THE FUTURE OF COMPOSTING

Deep stacking represents a fundamental shift in how organic material is managed. It combines biological efficiency with operational performance, delivering measurable benefits in space optimization, moisture retention, temperature control, microbial activity, reduced turning frequency, and consistent product quality.

For composting and mulch operators, adopting deep stacking is not merely an incremental improvement—it is a competitive advantage. Paired with purpose-built machinery like the EDGE FTS Mulch Master, deep stacking becomes a sustainable, efficient, and high-yield solution, setting a new standard for modern composting operations.




HITACHI

UNBEATABLE DEPENDABILITY

In today's waste processing industry, companies are constantly looking for ways to maximize efficiency, protect equipment, and reduce operational costs. One effective approach to achieve these goals is by integrating a low-speed, high-torque shredder like the ever-popular EDGE VS420 as a processing step before feeding material into a high-speed grinder.

We saw this combination in operation when we recently travelled to California to meet the bosses of one of the largest family-owned companies in the West coast who operate a number of EDGE Innovate machines, including an EDGE VS420 shredder and multiple EDGE TRT622 trommels, all supplied by GreenRock Equipment, exclusive distributors for EDGE Innovate products in California and Hawaii.

For any company investing in an EDGE shredder like the VS420, it will prove to be money well spent, as the shredder provides substantial long-term operational savings.

The major benefit witnessed at this operation was the ability of the VS420 to process feedstocks that contain tough contaminants, such as metal, rocks, or other hard objects. These high torque, low speed shredders excel at breaking down or removing those hurtful contaminants and metals before reaching the grinder. This added layer of protection has transformed the operation making their grinding process much more reliable and repeatable with a significate reduction in forced downtime.

Another major advantage of the low-speed shredder is its ability to break down large, bulky items into smaller, more manageable pieces. This preliminary size reduction creates a consistent material flow that high-speed grinders can handle with greater ease and efficiency.

By avoiding clogs and jams, this setup not only increases throughput but also maximizes the quality of the grinder's output, and it significantly reduces wear and tear on the grinder, extending its lifespan and reducing the need for costly repairs, replacements, and downtime.

By reducing the load on the high-speed grinder, the shredder enables it to operate at a steady pace, increasing the volume of material processed per hour while consuming less energy. This energy-efficient workflow is essential in today's industry, where minimizing costs and maximizing throughput are top priorities. For example, the EDGE VS420 has an average fuel consumption of just 25 litres/hr (6.6USG/HR).



WATCH VIDEO


HITACHI
EDGE
TBT
VS420T



Other Key Benefits

All of EDGE Innovate's range of shredders can handle a wide variety of materials that might have been turned away in the past - from highly contaminated organic feedstocks, industrial waste and construction debris to tires and mixed municipal waste.

The EDGE waste shredder here brings operational flexibility to the forefront making it possible for the business to confidently say "Yes" to a wider range of materials, diversify their offerings and allow them to enter new market segments, such as composting, recycling, and biomass fuel production. With the added flexibility to take on new applications and serve a wider client base, companies can tap into new revenue streams and improve their competitive standing.

An additional key benefit of EDGE Innovate's low-speed shredders is their ability to reduce dust. The shredders' lower operating speeds and controlled shredding action significantly minimize the formation of fine particles, which has multiple advantages. Reduced dust production enhances health and safety by improving air quality, lowering the need for costly dust control measures.

Additionally, less dust accumulation on equipment and workspaces means lower maintenance and clean-up costs but the major benefit from this is a much cleaner, in spec final product, which is especially beneficial for applications like biomass fuel and mulch.

Trusted Manufacturer

As a trusted manufacturer in the field, EDGE Innovate is committed to helping waste processing companies enhance efficiency, protect their equipment, and broaden their service capabilities with their advanced low-speed shredders.

All EDGE Innovate shredders encompass a highly robust and durable design and being engineered to run at a lower rotor RPM but with high torque, enables the shredders to process the most difficult of materials. In addition, all the waste shredders utilise EDGE's Intelligent Self-Protecting control system with tramp metal cycles to prevents against asset damage and downtime, while multiple chamber configurations, screen options and cutting tools allow operators to customise their EDGE shredders to provide the right tonnage at the desired piece size.

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"Integrating one of our shredders allows businesses to confidently accept a wider array of materials and applications, equipping them to enter new markets and meet evolving customer demands. While every operation has unique requirements, we believe that companies processing varied, bulky, or potentially contaminated waste streams will see clear benefits from our low-speed shredders, including increased throughput, operational flexibility, and superior product quality," commented GreenRock Equipment's John Connolly.

Although slow-speed shredders represent an initial large investment, EDGE Innovate's shredders provide substantial long-term operational savings. Reduced wear on grinders, lower energy consumption, minimized dust control needs, and decreased maintenance costs all contribute to significant cost efficiencies. In addition to expanding the range of materials a company can process, a low-speed shredder offers a pathway to greater revenue, helping to offset equipment costs.

Ultimately, a low-speed shredder transforms a waste processing company into a more versatile and resilient operation that is prepared to meet the demands of modern waste management. With an EDGE Innovate slow-speed shredder paired with a high-speed grinder, your waste processing system becomes a powerful, efficient, and robust solution, primed for growth and adaptability in a dynamic market.



WE'VE GOT YOUR BACK



TECHNICAL SUPPORT HOTLINE

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EDGE INNOVATION AT WORK



THE REAL DRIVER OF PRODUCTION PERFORMANCE

In material processing, productivity is often measured in tonnes per hour. Yet behind every strong production figure lies a more decisive factor: screening efficiency. When screening is optimised, material flows smoothly through the operation. When it isn't, bottlenecks, rehandling, and unnecessary downtime quickly erode output and profitability.

Across aggregates, recycling, and organics processing, operators face constant pressure to do more with less; less fuel, less labour, and less downtime. Improving screening efficiency remains one of the most effective ways to increase production rates without increasing operating costs.

EFFICIENCY STARTS WITH UNDERSTANDING THE MATERIAL

Every screening challenge begins with the material itself. Feed size, moisture content, particle shape, and contamination levels all influence how effectively material passes across a screen. Wet, sticky, or fibrous materials behave very differently from dry, free-flowing aggregate, and screening equipment must be configured accordingly.

Treating all materials the same is a common mistake. Screening efficiency improves significantly when operators understand how their material behaves and adjust screen media, deck configuration, and feed rates to suit. This understanding is not optional — it is the foundation of consistent performance.

CHOOSING THE RIGHT SCREENING SOLUTION

Selecting the correct screen type has a direct impact on both efficiency and output. Scalping screens, incline screens, horizontal screens, and trommel screens each serve different roles within a processing flow. Scalping screens are valued for their versatility, handling a wide range of feed sizes while removing oversized material early. Incline screens are commonly used in aggregate applications where high volumes and strong stratification are required. Horizontal screens provide precise separation for controlled material streams. Trommel screens, however, operate on a different principle altogether.

TROMMEL SCREENS: WHEN ROTATION IS BETTER

Trommel screens use a rotating drum rather than vibration, making them particularly effective for light, wet, sticky, or organic materials. As material tumbles inside the drum, fines fall through perforated openings while oversized material moves forward.

They are commonly utilised in compost, green waste, topsoil, mulch, biomass, and municipal waste applications, where damp or fibrous material can blind traditional vibrating screens. Trommels offer gentle material handling and consistent separation in these environments, though they are generally less suited to heavy, abrasive aggregates where high G-forces are required. Understanding when a trommel is the right solution and when it isn't, is essential to achieving optimal screening performance.



WHERE PERFORMANCE IS WON OR LOST

Once the correct screening solution is selected, setup and operation determine real-world performance. Screen area plays a major role. Wider and longer decks spread material more evenly, reduce bed depth, and give particles more opportunity to pass through the media. Increased screen area improves both throughput and product quality.

Screen speed and stroke length must be carefully balanced. Higher speeds can increase output but also accelerate wear on bearings and components, reducing machine life. Even small increases in speed can significantly shorten service intervals. Stroke length influences material movement, with longer strokes favouring coarse material and shorter strokes improving fine separation.

MATERIAL FLOW, BED DEPTH AND OPERATOR INPUT

Material flow across the deck is critical. Excessive bed depth traps fines beneath larger particles, while shallow layers waste capacity. Maintaining correct bed depth especially at the discharge end ensures effective separation without overloading the screen.

Even feed distribution across the full width of the deck is equally important. Uneven loading reduces effective screening area and accelerates wear. Skilled operators play a vital role here, adjusting feed rates, monitoring media condition, and responding to changing material characteristics.

Routine inspection of screen media and avoiding the temptation to overload the machine are simple but powerful ways to protect efficiency and uptime.

EFFICIENCY AS A COMPETITIVE ADVANTAGE

High screening efficiency does not happen by chance. It is the result of informed equipment selection, intelligent setup, disciplined operation, and ongoing attention to detail.

When screening is optimised, downstream processes benefit from cleaner products, higher throughput, reduced wear, and lower operating costs. In a market where margins are tight and uptime is critical, efficient screening is not just an operational advantage; it is a competitive one.



EDGE INNOVATION AT WORK

NEXT LEVEL SOLUTIONS



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