

 **TEREX**[®] **RECYCLING
SYSTEMS**

Putting **waste** back to work!

The image shows the interior of a large industrial waste recycling facility. On the left, there is a long row of green hopper bins for waste input. A conveyor belt system runs diagonally across the right side of the frame, carrying a large volume of mixed waste material. In the background, various pieces of machinery, including a red shredder, are visible. The floor is concrete and shows some debris and a blue pallet. The overall scene depicts a busy industrial recycling process.

Company Overview

Feeding / Conveying / Screening / Shredding / Sorting / Separation

TRS specialises in the design and build of stationary and modular recycling systems.



Established in 2021 with a core engineering team, Terex Recycling Systems (TRS) specialises in the design and build of stationary and modular recycling systems. TRS delivered its first turnkey project in March 2023 and has quickly developed a worldwide sales team following the acquisition of ZenRobotics in 2022.

With engineering at the heart of the business, TRS are project focused in comparison to traditional machinery sales. Our projects are engineered to order, with the ability to customise our modular recycling solutions. This meets the needs of our customers and is what sets us apart.



Key Applications:

The versatility of our products allows us to cater for a number of applications including:



Construction & Demolition (C&D)

Recover valuable materials and reduce landfill waste from Construction and Demolition projects.



Commercial & Industrial (C&I)

Maximise recycling and material recovery from Commercial and Industrial waste streams.



Wood Waste / Biomass Compost / Organics

Transform Wood Waste and Organic materials into valuable products, such as Compost and Biomass fuel.



Alternative Fuels / Waste to Energy Incinerator Ash

Convert waste into valuable Energy sources and recover materials from Incinerator Ash.



Municipal Solid Waste Dry Mixed Recyclables

Recover valuable materials from Municipal Solid Waste and Dry Mixed Recyclables.

FEEDING

Waste Feeder



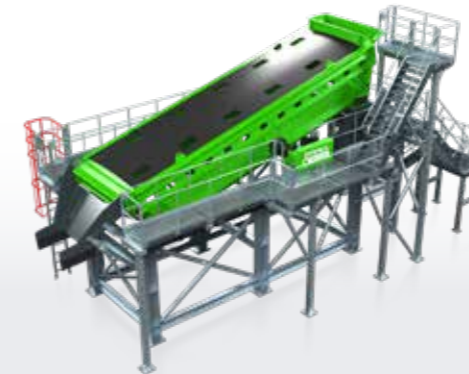
Heavy duty inclined belt feeder hoppers with robust design to withstand the harsh and abrasive nature of C&D/C&I waste applications.

Organics Feeder



Horizontal belt feeders specifically designed for wood, compost & organics applications where correct dosing of the material is critical for downstream process performance.

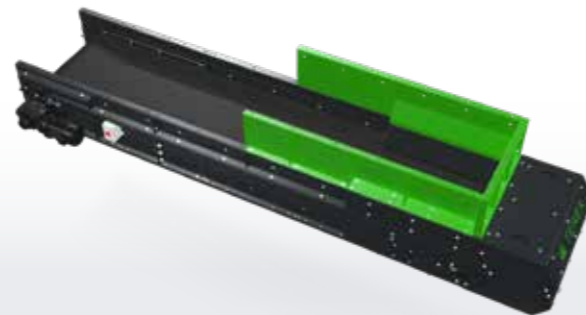
Vibrating Screens



Our heavy duty screens are configurable to give 2-4 output fractions, with various screening media options available. Whether it's a combi or flip flow screen.

CONVEYING

Waste Conveyors



Modular Waste Conveyor with an electric drive system, which are easily configurable for various installations. They are heavy duty and robustly designed for C&D waste applications.

SHREDDING

Low Speed Shredder



Slow Speed Static-Electric Shredder designed for the toughest shredding applications.

Medium Speed Shredder



Medium Speed Static-Electric Shredder offering high efficiency and productivity combined with low operating costs and maintenance.

SCREENING

Trommel Screens



Inclined variable speed drum screens, with various screen media options available to suit different applications.

SORTING

Picking Stations



Ergonomically designed modular manual sorting stations that will withstand harsh materials and offer maximum operator comfort. Making them easily configurable to meet customer requirements.

ZENROBOTICS

Robots

Heavy Picker



Multipurpose waste sorting robot for large and bulky waste. It can sort several high-purity fractions simultaneously with the help of heavy-duty arms, various sensors and artificial intelligence.

Fast Picker



The perfect AI-based waste sorting robot for light packaging materials that will fit easily into your existing processes. With its high speed it is sure to maximise material recovery.

SEPARATION

Air Separators



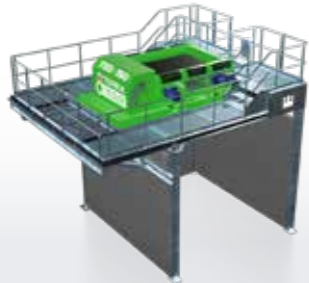
Our air separation products are designed to be simple and effective, offering a reliable method of separation by weight to keep operating costs to a minimum.

Air Blowers



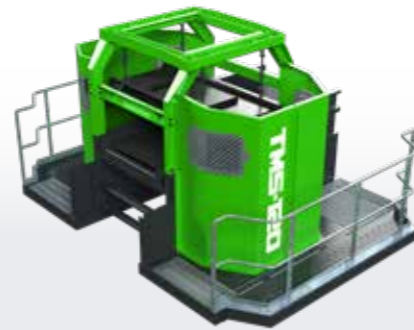
For separating waste by density. Modular mount system allows positioning at various locations in plant to best suit your application.

Eddy Current Separators



For the recovery of non-ferrous metals. It includes an adjustable splitter chute. Options include vibrating pan feeder and drum magnet.

Overband Magnets



Overband Magnets for the recovery of ferrous metals.

MISC

Chain Conveyors



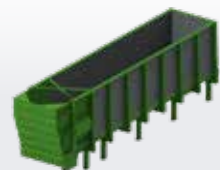
Optical Sorters



Bag Openers



Bunker Feeders



Ballistic Separators



Terex Recycling Systems can also provide proven technology integrations with our trusted partners, to create a recycling plant solution tailored to your specific needs.

PRODUCTS

Terex Recycling Systems growing product range are standardised modular components. They incorporate proven technology & design from other Terex MP Environmental brands. They encompass modular design for easy transportation and installation. Whilst they can be sold as standalone units or integrated into larger recycling systems.

TTS-620SE



Static Electric Trommel

TDS-V20SE



Medium Speed Shredder

TDS-820SE



Low Speed Shredder

TAS-150



Air Separator

TSD-280



Pre Sorting Drum



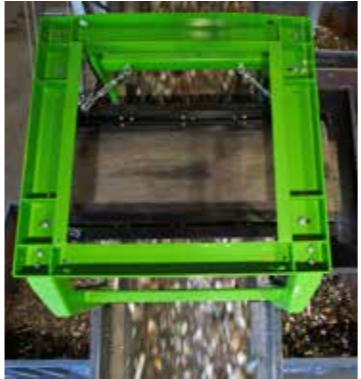
PROJECT DETAILS

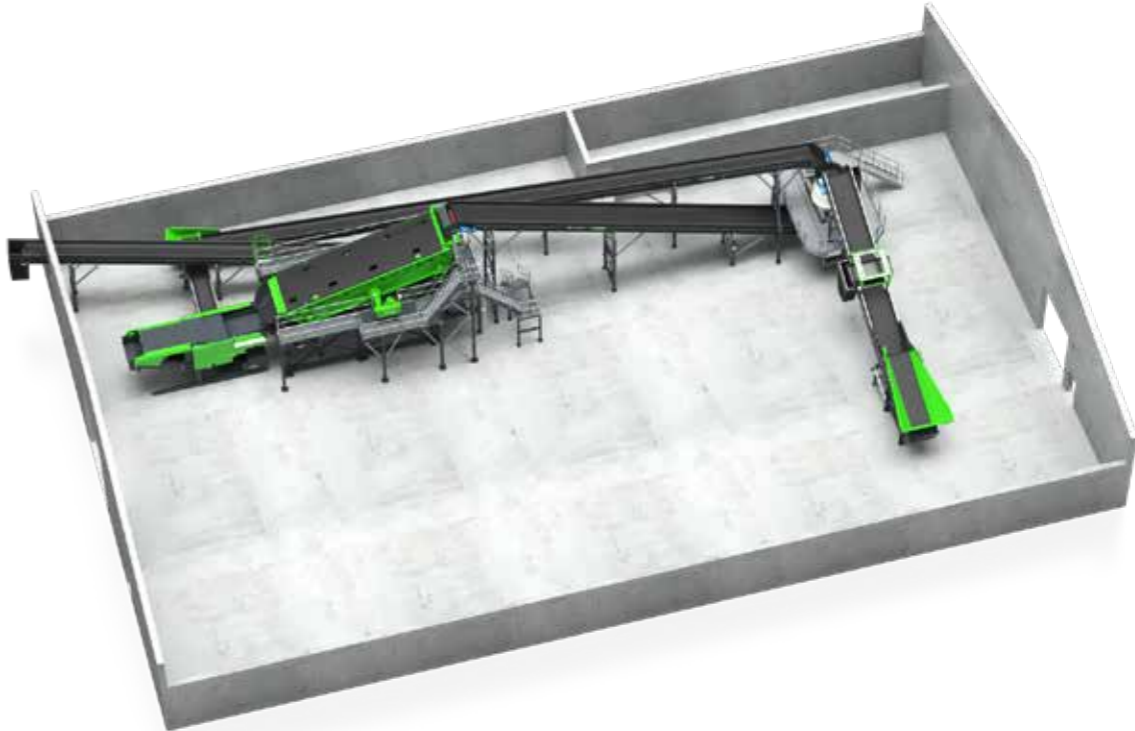
Location: England, UK
Application: C&D/C&I 'skip' waste | Capacity: 25-30tph



PROJECT DETAILS

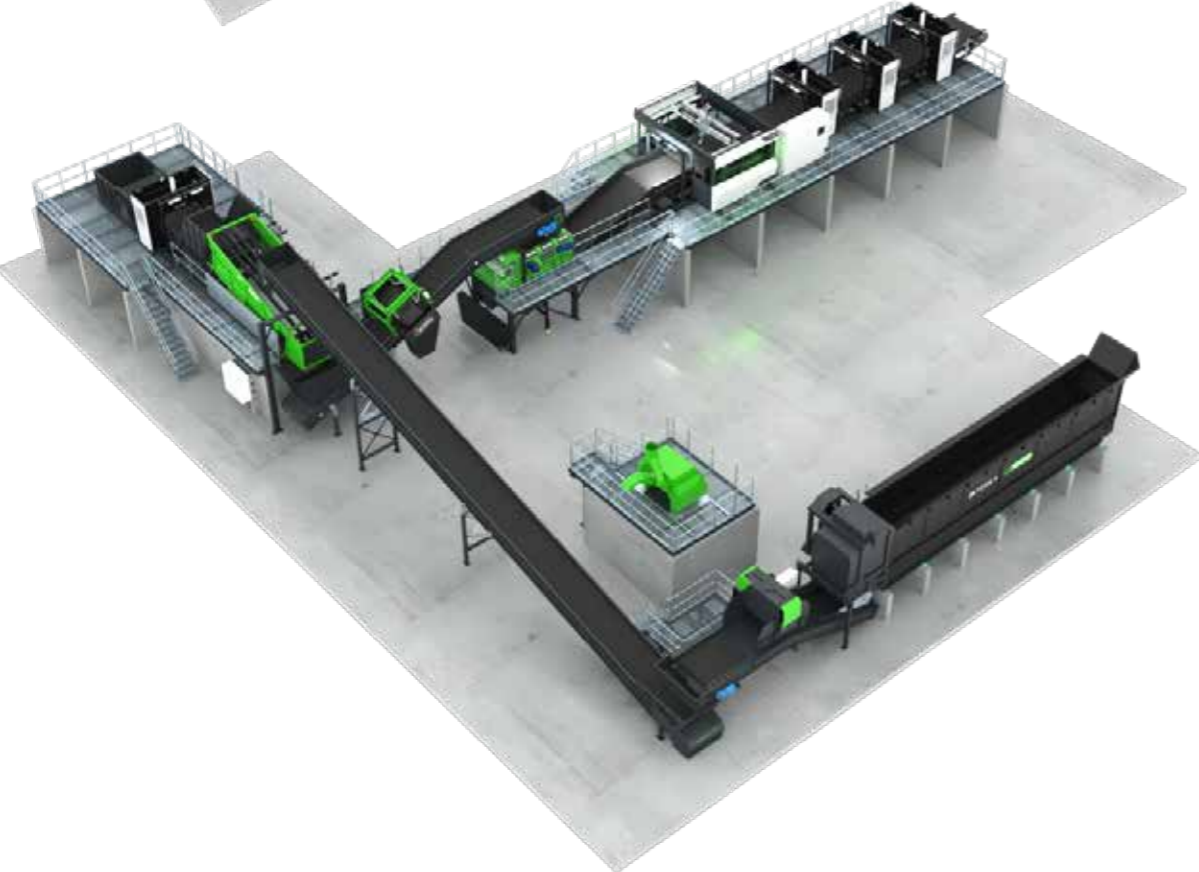
Location: Norway
Application Treatment: <80mm fines | Capacity: 10-15tph





PLANT DETAILS

Application: MRF glass processing | Capacity: 60tph



PLANT DETAILS

Application: MSW processing | Capacity: 5-10tph



PLANT DETAILS

Application: SRF production | Capacity: 20tph



Visit our website for more information
about our plants, products and services.

terex.com/recycling



32 Farlough Road
Dungannon
Co. Tyrone
Northern Ireland
BT71 4DT

Tel: +44 (0) 28 8771 8500

Email: recyclingsystems@terex.com



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Due to continual product development we reserve the right to change specifications without notice. Product performance figures given in this brochure are for guidance purposes only, this information does not constitute an expressed or implied warranty or guarantee, but shows test examples. These results will vary depending on application. Photographs are for illustrative purposes only; some or all of the machines in the illustrations may be fitted with optional extras. Please check with your Dealer for details on optional extras.

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