

PRODUCT
SPECIFICATION

 **TEREX**®

 **ECOTEC**

TMS 320

METAL SEPARATOR



ACCURATE & EFFICIENT SEPARATION

The TMS 320 is the ultimate in mobile separation, offering operators unrivalled application flexibility, production rates and serviceability. A highly efficient drum magnet and eddy current rotor combined with superior material flow, ensure accurate material separation. The TMS 320 is ideally suited for metal recovery from compost, biomass, IBA (Incinerated Bottom Ash) and waste.



TMS 320

Superior Material Flow & Precise Processing



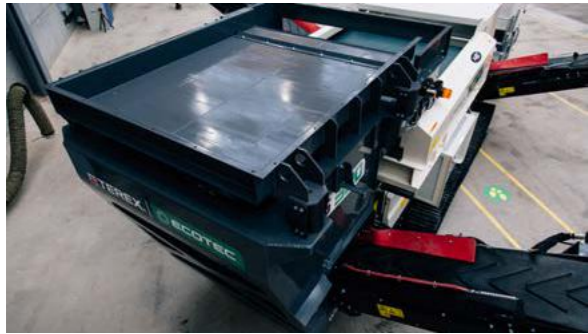
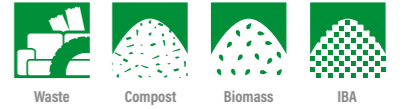
The TMS 320 metal separator offers quick and easy set-up and will be ready to process in minutes with no tools required. An intuitive push button control panel, variable speed drum magnet and eddy current belt, combined with a splitter system that offers accurate real time adjustment, enables the operator to easily configure the machine to suit a wide range of applications.

In partnering with Eriez, a world authority in magnetic separation technologies, the TMS 320 incorporates the renowned RevX ST22 eddy current separator and rare earth drum magnet. The RevX ST22 eddy current separator has a premium 22-pole neodymium rotor which spins at just 3000RPM. This rotor is encased in an ultra-thin carbon fibre shell, and a thin but durable PVC belt, ensuring that the intense field produced by the ST22 is fully employed to provide the most effective separation results. The 2m wide high-strength neodymium radial pole magnet is utilised for optimum iron recovery.

Designed to provide operators with unrivalled levels of service access, all conveyors are built to a modular design allowing each one to be removed independently for ease of maintenance. The splitter system can be moved away from the eddy current unit to provide unobstructed access to both the splitter system and eddy current rotor. This innovative feature also enables the TMS 320 to fold within a 3m wide transport width and places it as a market leader.

Being electrically driven the TMS 320 can be powered by either the onboard gen set or using mains electricity supply. This flexibility provides the end user with reduced operating costs, fuel usage, emissions and noise levels. The TMS 320 is available in both tracked and static variants. The tracked unit is fitted with heavy duty crawler tracks and offers excellent site mobility making it a great solution for difficult terrain.

KEY FEATURES



1.9m (6' 3") x 2.4m (7' 10") highly aggressive vibrating pan feeder with low throw and high G to maximise material spread and feed



Variable speed 2m (6' 7") wide high strength neodymium radial pole drum for optimal ferrous metal recovery



22 pole neodymium eddy current rotor surrounded with an ultra-thin carbon fibre shell to maximise non-ferrous metal recovery



Low noise 60kVa generator offering excellent fuel consumption and serviceability



Change over switch as standard to allow the use of onsite mains power



User friendly colour display offering simple operation and diagnostics
Customisable settings allow operators to tailor the machine for specific applications



Movable splitter box allowing optimal material flow whilst enabling the machine to fold within 3m wide transport width
Unrivalled maintenance access

TECHNICAL DATA



TRANSPORT DIMENSIONS

Length: 10.0m (32' 9")
 Width: 3.0m (9' 10")
 Height: 3.3m (10' 9")
 Weight: 19,500kg (43,000lbs)
 (dependent on options)

WORKING DIMENSIONS

Length: 10.3m (33' 9")
 Width: 10.2m (33' 5")
 Height: 3.8m (12' 5")

FEEDER

Vibrational Pan 1.9m (6' 3") x 2.4m (7' 10")
 2 x 0.9kW Vibrator Motor

DRUM MAGNET

2m (6' 7") Wide High Strength Neodymium Radial Pole for Maximum Iron Recovery
 2.2kW Variable Speed Motor, ø380mm (15")
 Stainless Steel Construction

EDDY CURRENT UNIT

22-Pole Neodymium Assembly
 Eccentric High Gauss Design
 +1mm Particles Separation
 2m (6' 7") Wide with 5.5kW Rotor Drive
 3mm Thick Transporter Belt
 1.5kW Variable Speed Belt Drive

POWER UNIT

60kVa (400v, 50Hz) Generator
 Perkins® 1104D-E44TG3, EU Stage 3A Engine
 220 Litre Fuel Tank
 37kW IE3 Electric Motor c/w Hydraulic Gear Pump and Electrical Control Panel allowing machine to run in either Diesel or Electric mode
 Suitable for Voltages varying from 380V - 440V at 50Hz
 (For all other supply bases contact the factory with specific requirements)

FERROUS CONVEYOR

Variable Speed 650mm (25") Chevron Belt
 1.9m (6' 3") Discharge Height on RHS of Machine

NON-FERROUS CONVEYOR

Variable Speed 650mm (25") Chevron Belt
 1.8m (5' 11") Discharge Height

PRODUCT CONVEYOR

Variable Speed 900mm (36") 3 Ply Chevron Belt
 3 + 1.5 Covers
 3.6m (11' 10") Discharge Height

HYDRAULIC OIL

ISO Grade 46

UNDERCARRIAGE

Heavy Duty Tracks with 400mm (16") Shoes
 2.5m (8' 2") Sprocket Centres
 Control Operation of Tracks via Handheld Set with 5m (16' 5") Connection Lead

GENERAL FEATURES

CE Compliant
 Low Level Remote Conveyor Greasing

OPTIONS

Static Variant
 Air Compressor
 Ferrous Conveyor - Discharge to LHS of Machine
 Telemetry
 Additional Remote Control for Tracking

CUSTOMER SUPPORT

With you every step of the way

We work with our customers to understand their equipment needs to select the product most suited to their business requirements. Terex Ecotec customer support incorporates a range of services including parts, technical support, warranty and financial services.



The Right Part at the Right Time

Terex Ecotec has a full inventory of genuine Terex parts through our global support locations and dealer network. We are committed to getting the right parts delivered at the right time. Using genuine Terex parts ensures optimum performance and reliability.



Warranty Delivering on our promise so you can keep yours

Terex Ecotec warrants its new equipment to be free of defects in material or manufacture for a specified period from the date the equipment is first used.



Expert technical support

Terex Ecotec provide highly qualified service personnel to ensure that we have the ability to provide technical support when our customers need it. This support is provided in conjunction with our dealer network. We ensure our customers are supported throughout the lifecycle of their machine.



Terex Financial Services Financing that works for you

Terex Ecotec are able to offer finance solutions to our customers. Our team of finance professionals know the importance of working closely with customers to understand their unique business challenges as well as their financial goals and requirements. Obtaining financing is often a time-consuming task, so we work hard to provide a reliable, flexible and responsive service.



Delivering On Our Promises,
So You Can Keep Yours.

Specification subject to change without notice



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