

PRODUCT  
SPECIFICATION



# TDS 820e

SLOW SPEED SHREDDER



# ELECTRIC SLOW SPEED SHREDDER

Developed to meet the ever-changing demands of the waste management and recycling sectors the TDS 820e is an electric version of the industry leading TDS 820 Slow Speed Shredder. Purpose built to process all types of material the TDS 820e with a powerful electric/hydraulic drive system offers the perfect blend of efficiency, control and performance. Customisable shredding programs allow operators to configure the machine to their specific requirements, reducing wrappage and maximising production.



# TDS 820e

## Providing an emission free shredding process



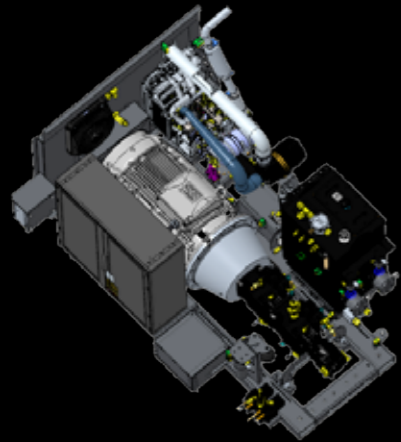
More environmentally friendly in terms of emissions and noise the TDS 820e replaces the Scania DC13 diesel engine with a powerful 280kW WEG electric motor. This change also results in reduced maintenance time and costs. The TDS 820e is fitted with a small 55kW CAT C2.2 engine for tracking and machine set-up, resulting in minimal down time.

Key features include an electric/hydraulic hydrostatic drive that provides increased protection against contamination and allows for bi-directional shredding. The 2-metre-long shafts are manufactured with a fully welded tooth

configuration, which makes for massive throughput and excellent material reduction. Its independent gearboxes enable each shaft to be run separately reducing material wrappage in even the most difficult of applications.

Additional features include the tipping feeder which increases the feed area and hopper extensions providing increased capacity in bulky applications. Once manoeuvred into place via the robust tracked undercarriage the TDS 820e simply connects to the electrical power supply, with the choice of a hard wire or quick connect plug option.

# KEY FEATURES



A highly efficient WEG electric motor combined with a hydrostatic drive creates a very responsive shredding action with protection against unshreddable contaminants

Small CAT C2.2 tracking engine facilitates on-site movement and machine set up when not connected to the mains power



User friendly colour display offering simple operation and diagnostics

Customisable shredding programs allow operators to tailor the machine for specific applications



Robust German designed shredding chamber  
Independently driven shafts give excellent shredding performance in even the most challenging of applications



Shaft cutting elements are a fully welded structure with hard-faced edges giving ultimate strength in difficult applications



Excellent service access reduces operator downtime



A separate transfer conveyor with a high specification belt ensures material is effectively removed from below the shredding chamber

# TECHNICAL DATA

TRANSPORT DIMENSIONS
Length: 9100mm (29' 10")
Width: 2500mm (8' 2")
Height: 3200mm (10' 6")
Weight: 29,000kg (63,934lbs) (dependent on options)
WORKING DIMENSIONS
Length: 11700mm (38' 5") (product belt @ 35°)
Width: 2500mm (8' 2")
Feed Height: 3200mm (10' 6")
Discharge Height: 3900mm (12' 10") - 1700mm (5' 7")
SHREDDING UNIT
Type of shredder: Twin shaft slow speed
Shaft Length: 2000mm
Shaft diameter: 700mm
Torque per shaft: 100 000Nm
Tilting feeder capacity: 7m <sup>3</sup>
Autolube for shredder shaft bearing

POWERUNIT
<ul style="list-style-type: none"> <li>280kW WEG Electric Motor</li> <li>CAT C2.2 55kW (75HP) Stage V / Tier 4 Engine for Tracking</li> </ul>
Shredder drive: Twin Hydrostatic (independent shaft drive)
CAN BUS control system with user friendly colour display offering simple operation and diagnostics
TRANSFER CONVEYOR
Width: 1300mm (4' 3")
Length: 2450mm (8' 0")
Max. belt speed: 130m/min (426' 6"/min)
PRODUCT CONVEYOR
Width: 1400mm (4' 7")
Length: 5500mm (18")
Max. belt speed: 130m/min (426' 6"/min)

TRACKED UNDERCARRIAGE
Bolt on tracks
500mm (20") shoe
2920mm (9' 7") sprocket centres
OPTIONS
Overband Magnet
Various Shaft/Breaker Bar Configurations
Plant Autolube (Excluding Shredder Shafts)
Extended Discharge Conveyor
Hydraulic Raise / Lower Overband Magnet
Hydraulic Folding Hopper Extensions
Chamber Camera & Monitor
Dust Suppression
Quick Connect Plug



Specification subject to change without notice



# 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.**



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