

TECHNICAL
SPECIFICATION



TDS-820SE

Static Electric Low Speed Shredder



ELECTRIC
POWERED

Feeding / Conveying / Screening / Shredding / Sorting / Separation

TDS-820SE

Static Electric Low Speed Shredder

Terex Recycling Systems TDS-820SE is a Static Electric Low Speed Primary Shredder with aggressive twin shafts, capable of working in a wide variety of recycling applications. These include: C&D, C&I, Wood Waste, Green Waste, POPs, Bulky Waste and MSW Waste.

The TDS-820SE has customisable shredding programs allowing operators to configure the machine to their specific requirements, reducing wrappage and maximising production. Terex Recycling Systems TDS-820SE features independent shredding shafts allowing for maximum application flexibility.

Due to ever changing market conditions and demands of the modern shredder the machine will be available as a standalone unit or it can be incorporated into an existing plant or part of a new recycling plant. This will allow for easy customisation and adaptation to different applications and environments.



Key Features:

- ✓ Electric powered hydrostatic drive offering better protection against contamination and allowing for bi-directional shredding
- ✓ The double shaft shredder has 2m long shafts with a fully welded tooth configuration, impressive throughput and excellent reduction
- ✓ The independent gearboxes enable each shaft to be run separately helping to reduce wrappage and improve the shredding of material
- ✓ Integrated transfer conveyor underneath the shredding chamber

Powerunit:

- Electric powered and hydrostatic drive system

Service Access:

- Excellent service access reduces operator downtime

Tipping Feeder:

- Can be controlled on the display screen or radio controlled for remote operation
- The remote also allows the operator to switch between shaft programs



Conveyor:

- High specification belt ensures material is effectively removed from below the shredding chamber
- Improved chamber clearance

Control Panel:

- User friendly display screen offering simple operation and diagnostics
- Customisable shredding programs allow operators to tailor the machine for specific applications

Support Legs:

- 4m standard feed-in height
- Other feed-in heights available on request

Shredding Chamber:

- 2m twin shaft shredding unit
- Shafts independently driven and controlled
- Extremely versatile and can be configured for a wide range of materials
- Able to shred in forward and reverse
- Integrated and configurable breaker bar, to aid reduction and protect the transfer conveyor belt

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Shredding Unit:

- Type of shredder: Twin shaft low speed
- Shaft Length: 2m (6' 7")
- Shaft diameter: 0.25m (10") solid
- Effective tool diameter: 0.7m (2' 4")
- Torque per shaft: 100 000Nm
- Feeder & tilting hopper capacity: 7m³ (9.2yd³)
- Radio remote for tipping feeder and unblock mode
- Auto-lube system for shredding shaft bearings

Transfer conveyor:

- Width: 1.3m (4' 3")
- Length: 2.65m (8' 8")
- Max. belt speed: 130m/min (426' 6"/min)
- Discharge height 1.46m (4' 9")

Working Dimensions

Electric Powerpack:

- WEG IE3 280kW, 50HZ, 400V electric motor with soft-start
- Shredder Drive: Twin Hydrostatic (independent shaft drive)
- Integrated Control Panel offering simple operation and diagnostics

Optional extras:

- Various shaft/breaker bar configurations
- Fire suppression
- Chamber camera & monitor
- Dust suppression

Transport Dimensions

- Length: 7.3m (23' 11")
- Width: 2.72m (8' 11")
- Total Height: 3m (9' 10")
legs removed for transport
- Weight 28,000kg (61,730lbs)
dependent on options

Working Dimensions

- Length: 7.3m (23' 11")
- Width: 2.72m (8' 11")
- Feed Height: 4m (13' 2")
- Total Height: 4.74m (15' 7")
- Transfer discharge height: 1.46m (4' 9")



All specifications and technical data subject to change without notification. All options are retrofittable.



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