

PRODUCT  
SPECIFICATION

 **TEREX®**

 **ECOTEC**

# TSS 390

SINGLE SHAFT, SLOW SPEED SHREDDER



# ROBUST & VERSATILE SHREDDING

The TSS 390 is a robust and versatile single shaft, slow speed shredder. Powered by a fuel efficient 493HP Scania DC13 engine, it is designed for maximum output and minimum down time. Ideal for volume reduction, the TSS 390 has the ability to handle the toughest of materials including tree stumps and roots, green waste, C&D waste, waste wood, pallets and rail ties. The TSS 390 is simple to operate, offers excellent all-round serviceability and is available in both tracked and wheeled variants.



# TSS 390

## High Torque, Variable Speed Shredding



The TSS 390's 3m long shredding shaft was expertly designed in-house and is made from heavy-duty steel, with easily replaceable, bolt-on shredding teeth. Being hydrostatically driven, it offers the benefit of full speed, full torque reverse as well as protection against contaminants. Customisable shredding programs enable the operator to configure the machine to their specific requirements and offers improved shaft cleaning in difficult applications, reducing wrappage and optimising throughput.

Shredding takes place against a hydraulically adjustable counter comb allowing the product size to be tailored. This comb can be operated in either a fixed position, where product size is critical or in release mode when the comb can open rapidly to allow large contaminants to pass without the need to stop shredding.

Designed to provide operators with unrivalled levels of service access the shredding chamber has hydraulically operated doors on both sides allowing chamber maintenance to be carried out with ease. The TSS 390 offers quick and simple set-up and will be ready to shred in a matter of minutes. All conveyors are modular in design allowing each one to be removed independently, reducing maintenance downtime.

The TSS 390 is available in both tracked and wheeled variants. The tracked unit is fitted with heavy duty crawler tracks and offers ultimate site mobility. The 5th wheel, tri axle wheeled unit, complete with European Whole Vehicle Type Approval, offers unrestricted movement between sites ensuring maximum uptime.



# KEY FEATURES



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



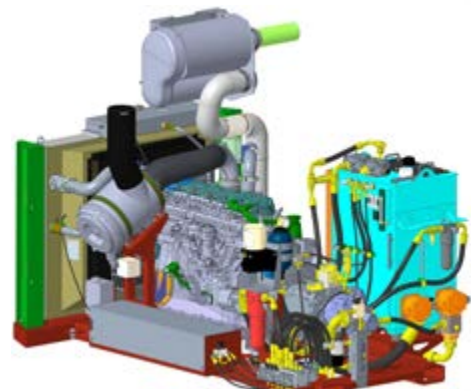
Expertly designed in-house shredding chamber  
3m long shaft made from heavy duty steel with an AR lining and bolt on teeth  
Multiple shredding chamber configurations



High strength overband magnet with remote hydraulic raise/lower function to quickly release trapped material (Optional)



Hydraulically operated access doors on both sides of the chamber for teeth replacement and servicing



A powerful Scania engine with a low operating speed combined with an efficient hydrostatic drive creates a very responsive shredding action with protection against unshreddable contaminants and also offers full torque, full reverse



Excellent service access reduces operator downtime



Hydraulically adjusted counter comb allowing product size to be altered to requirements  
Comb can be operated in fixed position for specific product size or release mode to allow contaminants to pass

# TECHNICAL DATA



TRANSPORT DIMENSIONS
Length: 10180mm (33' 5")
Width: 2525mm (8' 3")
Tracked Height: 3400mm (11' 2")
Wheeled Height: 3850mm (12' 8")
Max. Weight: 32,000kg (70,548lbs) (dependent on options)

WORKING DIMENSIONS
Length: 14600mm (47' 11") (product belt @ 35°)
Discharge Height: 4650mm (15' 3") (product belt @ 35°)
Feed Height: 3000mm (9' 10")

SHREDDING UNIT
Type of Shredder: Single shaft slow speed (0 – 32 RPM)
Shaft Length: 3000mm
Shaft Diameter (Tooth Tip): 990mm
Max. Shaft Torque: 220+ KNm
Hydraulic Tramp Relief System
Sizing Screen (Option)
Side Comb Access
Bolt on Teeth (18 or 36 teeth options)

POWER UNIT
Engine: <ul style="list-style-type: none"><li>• Scania DC13 368kW (493HP) Stage V (EU)</li><li>• Scania DC13 368kW (493HP) Tier 4 Final (USA)</li><li>• Scania DC13 368kW (493HP) Stage II (ROW)</li></ul>
Shredder Drive: Hydrostatic & Planetary Gearbox
CleanFix variable pitch cooling fan
Fuel Capacity: 750l (200 US gal)
CANBUS control system with user friendly colour display offering simple operation and diagnostics

TRANSFER CONVEYOR
Width: 1000mm (3' 3")
Length: 4000mm (13' 1")
Max. belt speed: 130m/min (427' /min)

PRODUCT CONVEYOR
Width: 1200mm (3' 11")
Length: 7000mm (22' 12")
Max. belt speed: 130m/min (427' /min)

TRACKED UNDERCARRIAGE
Bolt on tracks
400mm (16") shoe
3700mm (12' 2") sprocket centres

WHEELED UNDERCARRIAGE
3 axle
5th wheel hitch
Max. speed: 80km/hr (50mph)
Suspension: Leaf spring

OPTIONS
Wheeled or Tracked version
Overband magnet
Various shredding chamber configurations
Sizing fingers/screens - TBC
Autolube system
Hopper extensions
Chamber camera & monitor

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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