

PRODUCT
SPECIFICATION



TSS 390 *PLUS*+

HIGH TORQUE SHREDDER



BUILT TO HANDLE MORE

TSS 390 Plus High Torque Shredder is the latest innovation for the recycling industry. Engineered to retain the core design principals of the TSS 390 and incorporating advanced new features, this single shaft shredder is Built to Handle More, with the ability to process a broader range of materials - delivering greater versatility and more effective shredding. Designed with the operator in mind, the TSS 390 Plus offers the perfect blend of performance, efficiency and serviceability.



TSS 390 *PLUS*+

Robust & Versatile Shredding



The TSS 390 Plus shares all the key features of the TSS 390. These include the in-house-designed shredding chamber with a hydrostatically driven shredding shaft offering full-speed reverse. Combined with customisable shredding programs, this provides improved shaft cleaning in difficult applications, reducing wrappage and optimising throughput. The chamber also features a hydraulically adjustable counter comb, allowing simple adjustment of piece size. The comb can operate in release mode for uninterrupted shredding or in fixed mode for applications where a precise piece size is critical. With double-sided access, chamber maintenance can be carried out with ease, maximising uptime.

However, the key design enhancement to the TSS 390 Plus is the increased under chamber clearance. This higher discharge channel (820mm) ensures that large coarse, bulky shredded material can clear the machine with ease. Increased under chamber clearance results in increased application flexibility, making the TSS 390 Plus suitable for bulk volume

reduction whilst still being able to produce a controlled piece size.

Being designed with bulk volume reduction in mind the TSS 390 Plus comes as standard with an 18 tooth shaft, providing increased torque per tooth tip, which is particularly beneficial for tough applications and coarse shred. However, the optional 36 tooth shaft can be supplied if required.

With improved hopper capacity and geometry, the TSS 390 Plus can easily accept long bulky materials into the shredding chamber improving the material feed process as well as maximising throughput.

An innovative design feature is the quick release product conveyor system. The conveyor can be removed within minutes by a single operator, without the need for tools, improving service access.

Designed with the operator in mind, the TSS 390 Plus offers the perfect blend of performance, efficiency and serviceability.

KEY FEATURES



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 speed reverse



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



Improved hopper geometry enables efficient feeding of long, bulky materials into the shredding chamber



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



High strength overband magnet with remote hydraulic raise/lower function



Quick release product conveyor can be removed within minutes by a single operator, with no tools required, improving service access



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



Excellent chamber access on both sides of the machine for servicing and replacement of teeth



Excellent service access reduces operator downtime



Increased under chamber clearance ensures that large material can clear the machine with ease

TECHNICAL DATA



TRANSPORT DIMENSIONS
Length: 10250mm (33' 8")
Width: 2600mm (8' 6")
Height: 3600mm (11' 10")
Weight: 36,500kg (80,469lbs) (dependent on options)

WORKING DIMENSIONS
Length: 14500mm (47' 7") (product belt @ 35°)
Width: 2600mm (8' 6")
Discharge Height: 4500mm (14' 9") (product belt @ 35°)
Feed Height: 3500mm (11' 6") (with hopper sides)

SHREDDING UNIT
Type of Shredder: Single shaft high torque (0 – 32 RPM)
Shaft Length: 3000mm
Shaft Diameter (Tooth Tip): 990mm
Min. Belt Clearance: 820mm
Max. Shaft Torque: 220 000Nm
Hydraulic Tramp Relief System
Sizing Screen (Option)
Side Comb Access
Bolt on Teeth (18 or 36 teeth options)

POWER UNIT
Engine: • Scania DC13 368kW (493HP) Stage V (EU) • Scania DC130 368kW (493HP) Tier 4 Final (USA) • Scania DC13 368kW (493HP) Stage II (ROW)
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: 6950mm (22' 10")
Max. belt speed: 130m/min (427' /min)

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

OPTIONS
Overband magnet
Dust suppression system
Various shredding chamber configurations
Comb extensions
Screen system with screen options
Autolube system

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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