

PRODUCT  
SPECIFICATION

 **TEREX**<sup>®</sup>

 **ECOTEC**

# TBG 530T

HIGH SPEED SHREDDER



# HIGH SPEED, HIGH PERFORMANCE

The TBG 530T is a robust, track mounted high speed shredder ideal for medium scale producers requiring an accurate and consistent end product. Powered by a 493HP Scania DC13 engine, the TBG 530T has been expertly designed to give operators unrivalled performance, ease of maintenance and superb fuel efficiency. Extremely versatile, it excels in many applications and is particularly suited to waste wood processing and green waste shredding.



# TBG 530T

The unrestricted open fronted feeder and intelligent control system, push productivity to the next level.



With a rapid set up time the TBG 530T is ready to work in a matter of minutes with no tooling required. The open fronted feeder enables the TBG 530T to be fed quickly and easily from the rear. The intelligently controlled feed system, comprising of heavy duty drag chains and aggressive feed wheel with unique lift/downward assist, ensure optimum material flow resulting in class leading performance.

At the heart of the machine is the 1,100mm diameter x 1,490mm wide swinging hammer rotor. This robust, direct drive rotor rotates at 1000 RPM and incorporates 30 up-swinging hammers. A wide selection of hammer designs and interchangeable screens are available, allowing the machine to be configured to suit the ever-changing product requirements. The TBG 530T also benefits from the added protection of a screen kickback system. Should an unshreddable object enter the shredding chamber the screen will release allowing the

material to quickly pass through, reducing the risk of accidental damage.

Processed material is removed from the machine via a modular product conveyor with an impressive 4.6m discharge height. This conveyor also lowers to ground level for inspection and maintenance. An optional overband magnet with hydraulic height adjustment can be fitted to remove ferrous metal from the product.

Whether performing daily checks or carrying out maintenance, the TBG 530T offers unrivalled service access to all key areas of the machine. The electric/hydraulic raise/lower of the screen and interlocked chamber access door allow the rotor and anvil to be inspected with ease. Designed with the operator in mind, the TBG 530T offers the perfect blend of performance, efficiency and serviceability.

# KEY FEATURES



Product conveyor discharge height - 4.6m  
 Modular design reducing downtime  
 Lowers to ground level for maintenance access



368kW (493HP) Scania DC 13 Stage V  
 Unrivalled service access  
 Direct drive rotor for efficient shredding



1000 RPM upturn rotor  
 30 swinging hammers  
 1,490mm (length) x 1,100mm (diameter)  
 Single piece solid or replaceable tip hammer options



Safety interlocked access door for operator safety  
 Electric/Hydraulic Raise/Lower of screen for ease of access  
 Excellent rotor and anvil access for inspection and maintenance



Intelligent feed wheel with lift and downward assist  
 Variable speed linked to engine load and/or engine RPM



Heavy duty open-ended drag chain feeder  
 5 rows of staggered feed chains  
 Unrestricted full width feed hopper  
 Variable infeed speed intelligently linked to engine load and/or engine RPM  
 Removable bypass plate to allow fines material to bypass rotor



High strength overband magnet with hydraulic height adjustment (Optional)



Unrivalled service access for daily checks and maintenance



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

## ▼ TECHNICAL DATA



### TRANSPORT DIMENSIONS

Height: 3,400mm
Width: 2,800mm
Length: 11,746mm
Weight: 25,000kg (Dependent on Options)

### WORKING DIMENSIONS

Max Discharge Height: 4,600mm
Width: 3,000mm
Length: 13,650mm
Hopper Length: 3,800mm
Hopper Width: 1,410mm

### POWER UNIT

Engine Type: Scania DC13 Stage V Scania DC13 Tier 4 Final Scania DC13 Stage II
Power: 368kW (493HP)
Drive Type: Direct Drive
Hydraulic Tank Capacity: 300L
Diesel Tank Capacity: 800L

### UNDERCARRIAGE

Tracks: 400mm Triple Grouser, 3,237mm long
Tracking Speed: 1.4 km/h

### ROTOR

Speed: 1,000 RPM
Type: Swinging
Rotation: Upturn
Length: 1,490mm
Tip Diameter: 1,100mm
Hammers: 30 Swinging

### INFEED

Drives: Independent Drives
Infeed Opening: 700mm x 1,436mm
Conveyor Type: Drag Chain
Max Infeed Chain Speed: 24 m/min
Feed Wheel Tip Diameter: 900mm
Max Feed Wheel Speed: 7.5rpm / 21m/min

### PRODUCT CONVEYOR

Belt: 1,400mm Chevron Belt
Length: 10,000mm
Working Angle: 35° Fixed
Max Belt Speed: 170m/min
Discharge Height: 4,600mm

### OPTIONS

Hammers - Solid, Three Piece CGP or Tungsten Tooth
Various Screen Apertures
Top Concave Options - Shark Fin or Smooth c/w Second Anvil
Overband Magnet
Magnetic Head Drum
Dust Suppression
Rear Hopper Closer

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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PRODUCT  
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 **TEREX**®

 **ECOTEC**

# TBG 630

HIGH SPEED SHREDDER



# TBG 630

Terex Ecotec's TBG 630 High Speed Shredder is the ultimate processing machine for medium to large scale biomass and green waste processors.

Powered by a 670HP V8 Scania engine, the TBG 630 has been designed to give operators unrivalled production rates and ease of maintenance. The open fronted feeder uses heavy duty drag chains, a powerful feed wheel and an unrestricted feeder design to effectively utilise the 1,100mm diameter x 1,750mm wide swinging hammer rotor. This robust rotor comes with a wide selection of hammer designs and customisable screens which ensure end product material specification is met. Metal contaminants are always a concern when

using a high speed machine; the TBG 630 has an intelligent screen opening system to quickly discharge such contaminants reducing the risk of accidental damage. The unique machine layout and maintenance catwalks offer operators unrestricted access to both sides of the engine making servicing a simple task. Industry leading conveyor discharge height of 5.1m maximises stockpile capacity and allows loader operators to easily remove processed material.



## FEATURES



- 1000rpm Upturn Rotor
- 36 Swinging Hammers
- Extra-large screening area with kickback for unshreddable material
- Over 5m discharge height at 35° - Max speed 220m/min
- Intelligent feed system and feed wheel lift/downward assist
- Unrivalled service access
- Scania DC16 500kW (670HP) Stage V
- 35,600kg

## TECHNICAL DATA

### TRANSPORT DIMENSIONS

Height: 3350mm (10' 12")  
 Width: 3000mm (9' 10")  
 Length: 13580mm (44' 7")  
 Weight: 35600kg (78,485lbs)

### WORKING DIMENSIONS

Max Discharge Height: 5065mm (16' 7")  
 Width: 3000mm (9' 10")  
 Length: 14740mm (48' 4")  
 Hopper Length: 3800mm (12' 6")  
 Hopper Width: 1700mm (5' 7")

### POWERUNIT

Engine:  
 • Scania DC16 500kW (670HP) Stage V  
 • Scania DC16 493kW (661HP) Tier 4 Final  
 • Scania DC16 515kW (690HP) Stage II

Drive Type: Direct Drive  
 Hydraulic Tank Capacity: 500L  
 Diesel Tank Capacity: 1000L

### UNDERCARRIAGE

Tracks: 400mm (16") Triple Grouser, 3237mm (10' 7") long  
 Tracking Speed: 1.5 km/h

### ROTOR

Speed: 1000rpm  
 Type: Swinging  
 Rotation: Upturn  
 Length: 1750mm (5' 9")  
 Tip Diameter: 1100mm (3' 7")  
 Hammers: 36 Swinging

Specification subject to change without notice

### INFEED

Drives: Independent Hydrostatic Drives  
 Infeed Opening: 780mm (2' 7") x 1700mm (5' 7")  
 Conveyor Type: Drag Chain  
 Max Conveyor Speed: 34m/min (111' 7"/min)  
 Feed Wheel Tip Diameter: 1047mm (3' 5")  
 Max Feed Wheel Speed: 20rpm / 66m/min (216' 6"/min)

### TRANSFER CONVEYOR

Belt: 1400mm (4' 7") Plain Belt  
 Length: 5400mm (17' 9")  
 Max Belt Speed: 110m/min (360' 11"/min)

### PRODUCT CONVEYOR

Belt: 1400mm (4' 7") Chevron Belt  
 Length: 7500mm (24' 7")  
 Working Angle: 15° - 35° Adjustable  
 Max Belt Speed: 220m/min (721' 9"/min)

### OPTIONS

Overband Magnet  
 Various Screen Apertures & Types (Standard Wood, 3D & Green Waste)  
 Dust Suppression  
 Fire Suppression  
 Ripstop Transfer Belt  
 Various Hammer Types  
 Hopper Closer  
 Magnetic Head Drum  
 Hardfaced Rotor





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