

# Terex TBG 625 Horizontal Grinder



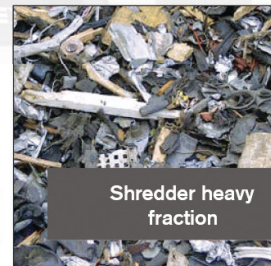
Bio Waste



MSW



Shredder light fraction



Shredder heavy fraction

## Terex Horizontal Grinder

Wood-based biomass is not only used for composting purposes in composite sites, but also for the recovery of bioenergy. The TBG 625 is intended to be used for the processing of grass/foliage cuttings, bio-waste, pre-crushed roots, bark, scrap wood, and round bales from SRC harvesting. The processed material improves the efficiency of the biogas plants.

A feature of the TBG 625 is the semi-trailer design with 19' 8" long conveyor intake and a filling capacity of 13 yd. The TBG 625 processes large quantities of bulk material such as pre-crushed roots and large trunks, converting it into high-quality biomass.



# TBG 625



## TEREX TDS 625 SPECIFICATIONS

### Specifications

- ▶ Varioflex control for economic operation
- ▶ Variable applications by Twin-Gear drive for optimal rotor speed
- ▶ Easy system for simple tool change by just one person
- ▶ IPS Impact protection system
- ▶ 3-axes chassis for comprehensive machine equipment

### Application

- ▶ Ideal machine for changing applications
- ▶ composting (grass cutting, bio-waste) trunk wood, roots, scrap wood

### Performance

▶ Green waste	Up to 220 yd <sup>3</sup> /hr	170m <sup>3</sup>
▶ Bark	Up to 290 yd <sup>3</sup> /hr	220m <sup>3</sup>
▶ Scrap wood	Up to 145 yd <sup>3</sup> /hr	110m <sup>3</sup>

### Infeed

▶ Feeding width	59"	1500mm
▶ Feeding height	32.25"	820mm
▶ Infeed conveyor length	19' 8"	6000mm
▶ Hopper capacity	13 yd <sup>3</sup>	10m <sup>3</sup>

### Grinding Unit

▶ Rotor diameter	41"	1040m <sup>3</sup>
▶ Number of hammers	22	

### Material Outfeed via Conveyor Belt

▶ Discharge height	15' 5"	4700mm
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### Main Drive

▶ Diesel engine	Mercedes-Benz OM 460 LA	
▶ Power (in kW/PS)	360 / 490 HP	

### Less energy, less wear, more cost-efficiency:

- ▶ Innovative and environmentally friendly engine technology is responsible for drive; power rating of 360 kW (490 hp)
- ▶ Optimum use of the high driving power achievable due to availability of conveyor intakes of length for the XL design; a continuous flow of material is guaranteed.
- ▶ Throughput rates of up to 290 yd. are possible, depending on the material processed.
- ▶ Machine available (with distance between axles equal to 51 ½ ") triple-axle, or as semi-trailer.
- ▶ Innovative control system for monitoring and operation of machine, plus recording of business-management and service data.
- ▶ Energy-efficient industry leading Energy Saver option and VARIO-flex control unit for reduced fuel consumption.
- ▶ Twin gears – dual belt drive unit for adjusting the speed of the rotor (speed range: 400-1,000 rpm)
- ▶ Reinforced rotor for easy system 50 application with extremely high impact force and reduced energy consumption.
- ▶ The standard, built-in impact protection system (IPS) helps to prevent the machine being damaged by foreign matter striking it.

### Carriage

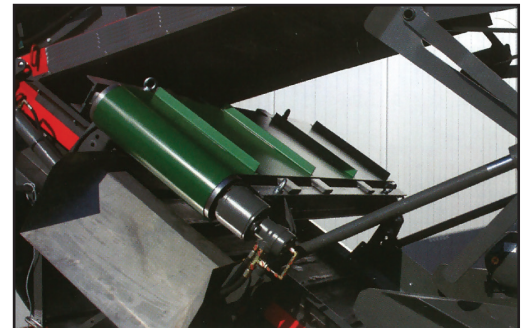
▶ Top speed	50 mph	80 km/h
▶ Weight basic model	49,825 lbs	22600 kg
▶ Permitted axle load	52,910 lbs	24000 kg
▶ Permitted support load	22,045 lbs	10000 kg
▶ Permitted total weight	61,730 lbs	28000 kg

### Measurements Transport Position

▶ Length	11180 mm	36' 8"	11180 mm
▶ Width	2550 mm	8' 4"	2550 mm
▶ Height	4000 mm	13' 2"	4000 mm

### CONTROL SYSTEM

- ✓ Energy Saving Option
- ✓ VARIO-Flex
- ✓ IBC
- ✓ Sensotronic
- ✓ Automatic overload control unit
- ✓ Infeed speed stepless adjustable
- ✓ 15-channel remote control
- ✓ IPS

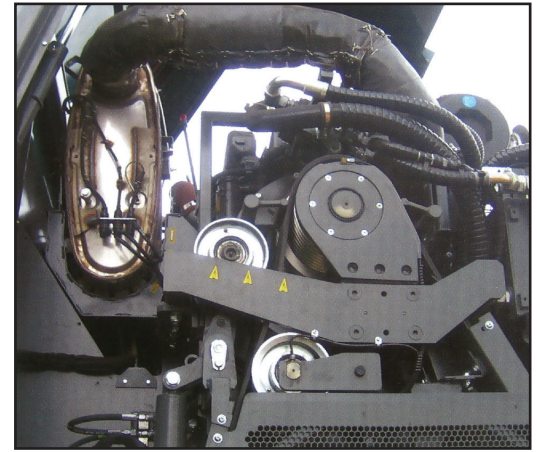


**Easy system – Innovative and impressive standard, built-in hammer system:**

- ▶ Flexibility for every application
- ▶ Very powerful striking force due to its own weight
- ▶ Increased throughput rate
- ▶ Reduction of fuel consumption
- ▶ Greater durability of all wear parts
- ▶ Extremely simple “single-person assembly”

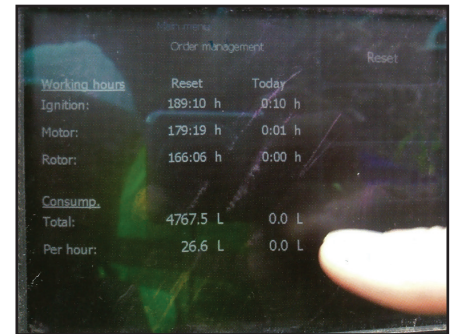
**Thorough intake of raw material:**

- ▶ Upper intake roller with rough and powerful gear teeth is driven by a low-maintenance, built-in gearing system.
- ▶ A very smooth material intake process will result in a high throughput rate and shorter loading intervals.
- ▶ Innovative control functions ensure a uniform intake of material.



**New control system for more cost-efficiency:**

- ▶ The innovative, state-of-the-art control system is a standard component of the machine. This makes it possible for the operator to not only check the machine monitoring but also to view business-management and service data.
- ▶ The Industry leading Energy-Saver system is also integrated as standard. This allows the operator to switch the system to the idle state via the press of a button, in the event of a brief interruption to operation, and to subsequently switch back to operating speed just as easily.
- ▶ The Energy Saving Option system is supplemented by the standard VARIO-flex control system. The “engine management” is made as effective as possible by the operator selecting a (material-dependent) speed from the green load range for the engine. Consequently, fuel consumption can be reduced to 0.06 gal/yd. (of produced biomass).
- ▶ There are various tools and screen baskets available, which can be selected according to the material structure.



**Highly flexible and usable anywhere:**

- ▶ The TBG 625 is offered in the XL design with a full trailer and 19' 8" long conveyor intake.



# ENVIRONMENTAL EQUIPMENT

## CONTACT DETAILS

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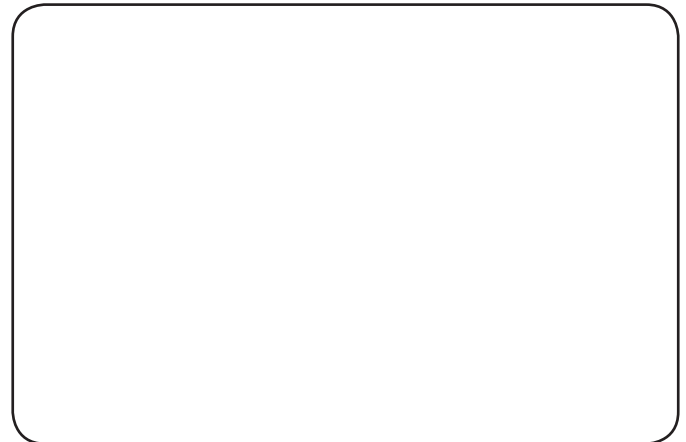
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