

TG7000 TUB GRINDER



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## TURN ORGANIC WASTE INTO PROFIT.

The TG7000 is loaded with a potent combination of innovative ideas and classic Vermeer features, all designed to make short work of your recycling and land-clearing projects. Waste just doesn't last long when the TG7000 is on the job.

The demands of the industry have been rising steadily for years, so we've made sure the TG7000 stayed ahead of the game. Building on almost two decades of grinder research and development, we've packed this machine with the power to meet your toughest challenges.

The TG7000 uses our exclusive Series II duplex drum, a patented cutting system that offers the latest hammer technology, the most convenient replacement procedures and the performance you're looking for. Ten hammers and 20 double-bolt cutter blocks work together to increase your productivity and slash maintenance time.

Everything about the TG7000 has been designed for top performance. Every feature is here to help you do your job—and not one has been wasted.

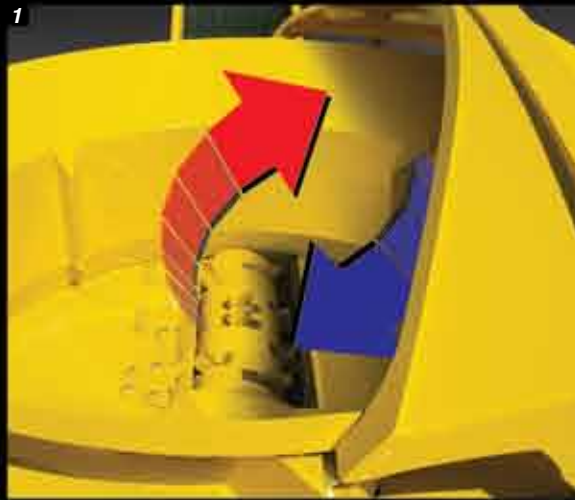


**1: Duplex Drum.** Patented Series II duplex drum improves productivity and more consistent wear by dispersing material more evenly across the cutter and drum.

**2: Optional Cab and Loader.** An optional loader with a 29.5' (9 m) reach has the ability to lift materials up to 12,000 lb (5443.1 kg) with a multi-line grapple. The climate-controlled cab provides exceptional visibility of the jobsite and helps enhance operator comfort.

**3: Control Panel.** Providing a digital readout for the microprocessor and the CAT engine, the control panel gives the operator real-time performance information and full instrumentation and fault code displays for monitoring systems and troubleshooting.





**1: Non-Bridging Tub Design.** Allows for cutters to pass along tub wall while mill length passes the center point of the tub to reduce bridging of material and increased production. Patented Thrown Object Restraint System (TORS) reduces distance of thrown objects allowing for tighter work areas, and also helps to improve flow of material into mill.

**2: Transportation Package.** A gross weight of 72,300 lb (32,794.7 kg), or 83,300 lb (37,784.2 kg) with loader, the TG7000 has an 11.9' (3.6 m), 20,000 lb (9071.8 kg) triple-axle spread for maximum allowed weight and transportation in the 48 continental U.S.

**5: Remote Control.** The convenient remote control enables a user to operate the TG7000 from another location. The remote control also provides real-time machine performance data to aid the operator in maximizing productivity by monitoring and adjusting settings.

**4: A Continuous Undermill Conveyor System.** Designed to handle more production with less clogging, the 48" (121.9 cm) wide conveyor belt has a maximum speed of 860 fpm (262.1 m/min) and a height capability of 18' (5.5 m).

**3: PT Tech Wet Clutch.** A gear-reduction clutch offers high productivity with a balance of increased torque to the mill and high efficiency due to limited slippage. Clutch is equipped with a 2-year/2000-hour limited warranty.

# TG7000 SPECIFICATIONS

## GENERAL (WITHOUT LOADER/CAB)

Weight: 72,300 lb (32,794.7 kg)
Weight at axles (estimated): 49,200 lb (22,316.7 kg)
Tongue Weight: 28,800 lb (13,063.5 kg)
Length (transport): 43.6' (13.3 m)
Length (operation): 62.6' (19.1 m)
Width: 11.9' (3.6 m)
Height: 13.5' (4.1 m)

## GENERAL (WITH LOADER/CAB)

Weight: 83,300 lb (32,794.7 kg)
Weight at axles (estimated): 54,000 lb (24,494 kg)
Tongue weight: 34,500 lb (15,648.9 kg)
Length (transport): 43.6' (13.3 m)
Length (operation): 62.6' (19.1 m)
Width: 11.9' (3.6 m)
Height (operation): 18.75' (5.7 m)
Height (transport): 13.5' (4.1 m)

## ENGINE

### OPTION 1

Model: Caterpillar C27 Tier 4i (Stage IIIB)
Aspiration: Twin turbocharged and intercooled
No. of cylinders: 12
Horsepower (gross): 950 hp (708.4 kW)
Electrical system: 24V
Fuel tank capacity: 500 gal (1892.7 L)
Fuel type: Ultra Low Sulfur Diesel (ULSD)

### OPTION 2

Model: Caterpillar C27 Tier 2
Aspiration: Twin turbocharged and intercooled
No. of cylinders: 12
Horsepower (gross): 950 hp (708.4 kW)
Electrical system: 24V
Fuel tank capacity: 500 gal (1892.7 L)
Fuel type: Low Sulfur Diesel (LSD)

## TRAILER

Axle rating: 20,000 lb (9071.8 kg)
Axle: Triple-axle with spring or air ride suspension
Tires (option 1): (12) 255/70R22.5 radial duals
Ground clearance (option 1): 9.1" (23 cm)
Tires (option 2): (6) 425/65R22.5 super singles
Ground clearance (option 2): 15" (38.1 cm)
Tires (option 3): (6) 445/65R22.5 super singles
Brakes: Air-actuated

## DRIVE LINE

Electronically controlled hydraulic transmission
PTO: PT Tech microprocessor-controlled wet clutch with gear reduction and integrated torque limiter
Drive line: 10C driveshaft

## CONTROLS

Full-functional operator's station
Radio remote control
Radio remote control functions:
Tub rotation (on and off)
Auto tub rotation (on and off)
Throttle control
Conveyor height
Engine fan
Engine stop
Tub Cover/Hammermill

## TUB

Pump type: Hydrostatic
Diameter (base of tub): 10' (3 m)
Diameter (tub opening): 13' (4 m)
Depth: 4.7' (1.4 m)
Wall thickness (T1 steel): .25" (.6 cm)
Loading height: 11.3' (3.4 m)
Tub drive tensioner: Automatic hydraulically tensioned mechanical slide
Tub agitators: 4
Tub rollers (Qty.): 8 carrier and 8 guide

## SERIES II DUPLEX DRUM

Millbox opening: 31.9" x 72" (81 cm x 183 cm)
Drum diameter: 22.5" (57.2 cm)
Tip diameter: 31" (79 cm)
Drum cutting length: 65.3" (165.9 cm)
Drum speed: 1340 rpm
Number of hammers: 10
Number of cutters: 20
Cutter block types: Block 2 bolt narrow - 2.75" x 5" (7 cm x 12.7 cm)
Center retention pin: 2" (5.1 cm)

## SCREENS

Number of screens: 2
Anvil: Replaceable
Number of anvil sides: 4
Screen area: 4162 in <sup>2</sup> (26,851 cm <sup>2</sup> )
Screen dimensions: 72.4" x 35.8" x 10.3" (183.9 cm x 90.9 cm x 26.2 cm)

## DISCHARGE CONVEYER

Length: 24' (7.3 m)
Conveyor belt width: 48" (121.9 cm)
Belt rollers: Crowned steel design lagging and taperlock
Belt speed (max): 860 fpm (262.1 m/min)
Load height:
Minimum: 12.2' (3.7 m)
Maximum: 18' (5.5 m)

## LOADER

Pedestal/Cab rotation: 370°
Reach: 29.5' (9 m)
Lifting capacity:
10' (3 m) radius: 12,000 lb (5,443.1 kg)
Full reach: 4000 lb (1814.4 kg)
Grapple rotation: Continuous 360°
Grapple type: Multi-tine
Grapple weight: 1450 lb (657.7 kg)

## CAB (WITH LOADER UNIT ONLY)

Heat and air conditioning
Windows type: .38" (1 cm) LEXAN
Front intrusion guard
AM/FM CD (optional)
Pilot-operated, seat-mounted joystick controls
Full function controller with multifunction LCD display
Front window wiper/washer

## OPTIONS

Air compressor
Auto reversing engine cooling fan
Air ride suspension
Super-single aluminum wheels
Magnetic conveyor drive pulley

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