

PROGRIND™ 4000



TORO®

PROGRIND™ 4000

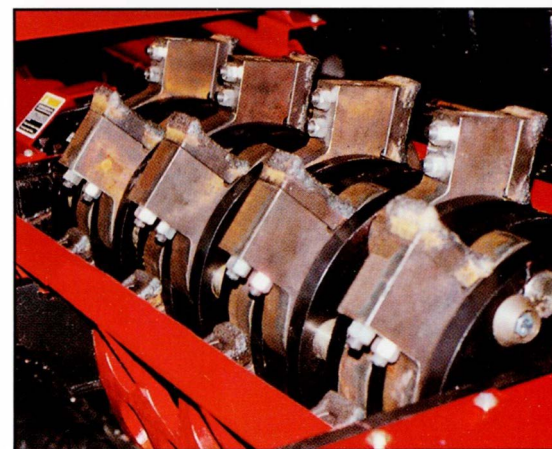


Designed with the innovative ProGrind™ system to give you the power and high-production needed to tackle the most demanding jobs.

- 500 hp Caterpillar 3406 DITA Turbo-charged Diesel engine
- Double-bolt hammer tips ensure hammermill durability and easy maintenance
- Optional remote control allows full operation from up to 500 feet
- Two 14" discharge augers easily move material from mill area to conveyor
- Easy climb catwalk for access to loader cab
- State-of-the-art cab on loader units, with joystick controls and air conditioning
- No special permits or signs required for transport
- Easy to use test ports and gauges for all hydraulic pressure readings
- Tub raises 90 degrees for emptying and easy servicing of the hammermill



The ProGrind 4000 is narrow enough to travel highways without special signs or permits, allowing easy movement of the grinder from job site to job site.



Power & Performance

With one of the most aggressive hammermills in the industry, the ProGrind 4000 can cut through mountains of green waste at production rates of up to 60 tons-per-hour. Toro's special double-bolt hammer tips provide more durability and grinding ease, assuring high production rates, less wear on the hammermill and easy maintenance.

Total Operator Control and Safety

The large cab on the loader unit allows full movement and comfort for the operator. With its own control panel, complete operation of the grinder while loading is possible. State-of-the-art joystick controls are incorporated with a fully adjustable, lumbar supported seat for maximum comfort. The front windshield, designed for high visibility, is 1/2" Lexan and backed by two steel bars for operator safety. Air conditioning is included as a standard feature.



User-Friendly Control Panel

Toro's state-of-the-art, intelligent, electro-hydraulic system makes operation of the ProGrind 4000 simple, while providing high durability. In addition to standard operating switches, the control panel contains gauges, hydraulic controls and safety features to provide maximum information and operating control during a grinding operation.

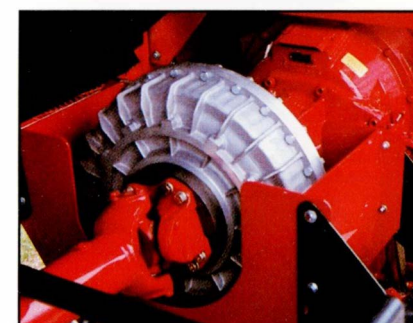


The ProGrind 4000, equipped with Toro's exclusive PowerGrind™ and SafetySmart™ systems, combines top grinding power with user-friendly controls and simple maintenance to deliver high production and unparalleled performance.



PROCOMMAND™ RADIO REMOTE

An optional, full-function ProCommand™ radio remote is available, capable of operating the ProGrind 4000 at distances up to 500 feet away, is available. Ruggedly designed for outdoor heavy-duty equipment, the system uses an F.M. frequency to ensure long range, reliable control.



Clutch Protection

Our exclusive fluid coupler provides maximum clutch protection. If a jam occurs—even during start up—the engine throttles down and declutches before damage is sustained. This added protection also dramatically reduces clutch wear and virtually eliminates the possibility of clutch failures.



Recycling Equipment Division

To learn more about the ProGrind 4000 and the full line of ProGrind tub grinders, contact your local Toro Distributor, or call Toro at:

(800) 525-0059

SPECIFICATIONS

GENERAL DIMENSIONS

TRANSPORT LENGTH	39'-4"
TRANSPORT HEIGHT	13'-5"
TRANSPORT WIDTH	8'-5 1/2"
LOADING HEIGHT	10'-3"
TONGUE WEIGHT	11,000 lbs.
AXLE WEIGHT	28,000 lbs.
GROSS WEIGHT	39,000 lbs.
TONGUE WEIGHT W/LOADER	16,500 lbs.
AXLE WEIGHT W/LOADER	33,000 lbs.
GROSS WEIGHT W/LOADER	49,500 lbs.

ENGINE

MODEL	Caterpillar 3406 DITA Turbo-charged Diesel
HORSEPOWER	500
AIR CLEANERS	Donaldson Dry Type
FUEL CAPACITY	200 gal.

DRIVE TRAIN

CLUTCH	Twin-Disc 14", 3 Plate
FLUID COUPLER	Transfluid
DRIVE SHAFT	Spicer 1880; Rated @5000 ft-lb
FINAL DRIVE	1:1, 2100 RPM

HAMMERMILL

OPENING	27" X 48 1/4"
LENGTH	45 1/4"
DIAMETER	16 7/8" With 8 1/4" Diameter Center
SHAFT	.6" Diameter Hardened Alloy Steel
MILL PLATES	2" Thick, Machined to 1 5/16" in Hammer Swing Area
HAMMERS	36 lb. Fixed W/2-Bolt Replaceable Tips (24); Heat Treated and Hard Surfaced
HAMMER SWING DIAMETER	26 3/4"
HAMMER RODS	2 1/4" Alloy Steel (12)
BEARINGS	4 7/16" Double Row Spherical; Ductile Cast Iron Housing; Oil Lubricated
SCREENS	Four 1" Thick, 2400 SQ. IN.; Various Sizes Available

TUB

INSIDE WIDTH	8'-0"
FLARE WIDTH	12'-0", 11'-0", or 10'-0"
DEPTH	50"
WALLS	7/16" Channel; Six 1/2" Stiffeners Welded Vertically to Support Tub and Flares
AGITATORS	Eight 3/4" X 5"
SPEED	Variable, Up to 9 RPM Forward and Reverse; Auto-Reverses if Jammed
DRIVE	1500 ft-lb Torque; Single Orbital Hydraulic Motor; Planetary Gearbox; 140 Chain

DISCHARGE SYSTEM

AUGERS	Two 14" Hydraulic Driven
STACKING CONVEYOR	24'-6" Long, 36" Wide; 14'-0" Stacking Height

CONTROL PANEL

CONTROLS	Ignition, Engine Speed, Clutch, Tub Controls, Outrigger Controls, Conveyor Controls, Table Control
GAUGES	Oil Pressure, Oil Temp, Engine Temp, Voltmeter, Tach/Hourmeter, Mill Hourmeter, Fuel Gauge, Hydraulic Pressure Gauges

OPTIONAL LOADER

REACH	22'-6"
LIFT CAPACITY	8570 lbs. @ 10' 5570 lbs. @ 15' 4020 lbs. @ 20'
CAB CONTROLS	Pilot Operated Joystick Controls, Engine Speed, Clutch, Tub Controls, Conveyor Controls, Outrigger Controls, Cab Height Controls
CAB GAUGES	Oil Pressure, Tachometer, Engine Temp, Fuel Gauge
CAB FEATURES	1/2" Lexan Windshield, Wiper, Washer, Defroster, Dome Light, Fan, Horn, Insulation, Heater, Air Conditioner
GRAPPLES	1/3 Cord Bypass or Claw Non-Continuous Rotation; 1/3 Cord Bypass or Claw Continuous Rotation

OPTIONAL EQUIPMENT

SCREENS	2", 3", & 4" Dia. Round; 4" X 6", 1 1/4" X 6", 3" X 6", 7" X 20", 8" X 9", Progressive
MAGNETIC ROLLER	12" X 44" Magnetic Roller & Nail Chute
HAMMER BODY/TIPS	Single-Bolt, Four-Row Configuration
OTHER	Welder, Air Compressor

Sales & Service By



Recycling Equipment Division

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