

# PROGRIND™

## 9000



**TORO®**

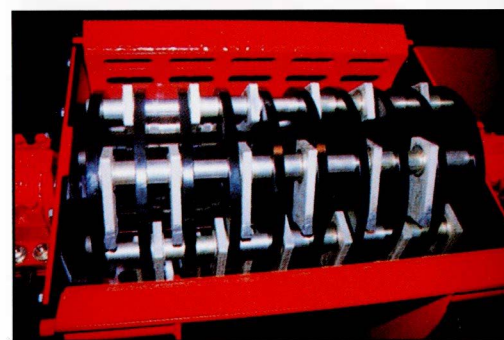


# PROGRIND™ 900



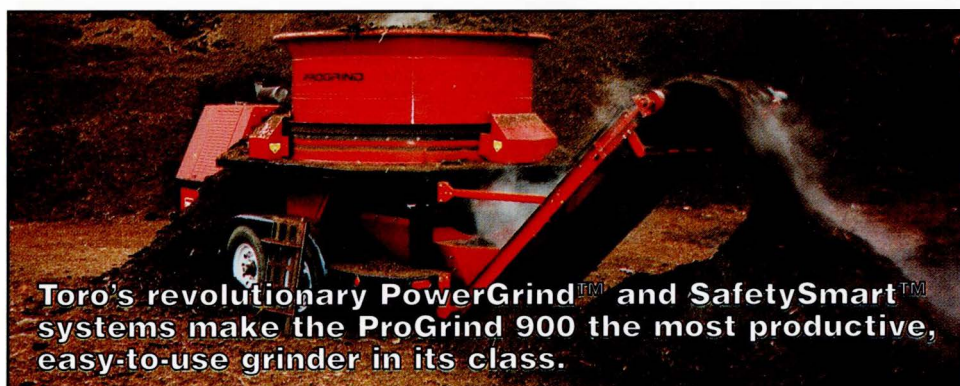
Designed with innovative features that make grinding simple and safe.

- 100 hp Cummins 4BT Turbo-charged diesel engine
- Three different hammer options for grinding versatility
- Two 12" discharge augers easily move material from mill area
- Tub tilts forward 38 degrees for easy access to hammermill, screens and lower auger area
- Transports easily with a 3/4-ton pickup truck
- Optional stacking conveyor and magnetic head roller
- Easy to use control panel, complete with operating switches, hydraulic controls and gauges
- Equipped with state-of-the-art electronic control system, providing dependable operation and easy maintenance
- Strategically placed access panels for quick and efficient maintenance of the engine and other components
- 2-5/16" ball hitch for towing (pintle ring option available)



## Performance & Versatility

The ProGrind 900's hammermill provides the power needed for small to medium-sized grinding applications. Three different hammer type options are available--5 lb., 12.5 lb. and replaceable tip--allowing the overall versatility needed to grind several different types of material, including bark, yard waste, brush and more. Eight different screen sizes are also available.



Toro's revolutionary PowerGrind™ and SafetySmart™ systems make the ProGrind 900 the most productive, easy-to-use grinder in its class.

## Easy Maintenance Access

Maintenance is simple and safe. The tub tilts forward 38 degrees, providing easy access to the hammermill and screens. Screen replacement can be done in a matter of minutes, and hammers can be replaced in as little as 30 minutes. During grinding operations, the tub table locks screens in place without the use of bolts or latches. Innovative safety features designed exclusively by Toro, including an interlock system and automatic machine shutdown during jams, provide protection to operators and mechanics while running or servicing the machine.



## User-Friendly Control Panel

Toro's state-of-the-art, intelligent, electro-hydraulic system makes operation of the ProGrind 900 simple, while providing high durability. In addition to standard operating switches, the control panel contains gauges, hydraulic controls and safety features to provide maximum operating control during a grinding operation.



**Simple to use and easy to maintain--the ProGrind 900 is the affordable, compact grinding solution for community based solid waste programs, smaller municipalities, golf courses, landscape operations and cemeteries.**



## Easy-Flow Auger Design

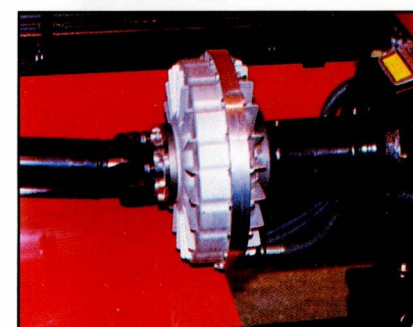
Equipped with dual 12-inch augers in an easy-flow design, the ProGrind 900 smoothly removes processed material from the hammermill to discharge area.



## Recycling Equipment Division

To learn more about the ProGrind 900 and the full line of ProGrind tub grinders, contact your local Toro Distributor, or call Toro at:

**(800) 525-0059**



## Clutch Protection

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



# SPECIFICATIONS

## GENERAL DIMENSIONS

TRANSPORT LENGTH	18'-6"
TRANS. LENGTH W/CONVEYOR	24'-9"
TRANSPORT HEIGHT	7'-7"
TRANSPORT WIDTH	7'-5"
LOADING HEIGHT	7'-7"
TONGUE WEIGHT	800-900 lbs.
AXLE WEIGHT	9,400 lbs.
GROSS WEIGHT	10,200 lbs.
GROSS WEIGHT W/CONVEYOR	10,900 lbs.

## ENGINE

MODEL	Cummins 4BT Turbo-charged Diesel
HORSEPOWER	100
AIR CLEANER	Donaldson Dry Type
FUEL CAPACITY	30 gal.

## DRIVE TRAIN

CLUTCH	Wichita 11"
FLUID COUPLER	Transfluid 13 KRU
DRIVE SHAFT	Spicer 1410; Rated @820 ft-lb
FINAL DRIVE	1:1, 2400 RPM

## HAMMERMILL

OPENING	35" X 25 3/8"
LENGTH	33 1/2"
DIAMETER	16 7/8" With 9" Diameter Center
SHAFT	5" Diameter Hardened Alloy Steel
MILL PLATES	2" Thick, Machined to 1 7/8" in Hammer Swing Area
HAMMERS	5 lb. Flail Hammer Standard, 12 1/2 lb Flail Hammer Available with Optional Replaceable Tip; All Hammers Heat Treated and Hard Surfaced
HAMMER SWING DIAMETER	26 1/4"
HAMMER RODS	1 1/2" Hardened Alloy Steel (6)
BEARINGS	2 15/16" Double Row Spherical
SCREENS	Two 3/4" Thick, 1960 SQ. IN.; 8 Sizes Available

## TUB

INSIDE WIDTH	6'-6"
FLARE WIDTH	7'-5"
DEPTH	38"
WALLS	3/8" Steel Plate with 1/8" Flares
AGITATORS	Four 1/4 X 3"

SPEED	Variable, Up to 6 RPM Forward and Reverse; Auto Reverses if Jammed, or RPMs below 1800
DRIVE	833 ft-lb Torque; Triple-50 Chain, Overload Protected Hydraulic Motor

## DISCHARGE SYSTEM

AUGERS	Two 12" Hydraulic Driven
OPTIONAL STACKING CONVEYOR	8'-0" Long, 30" Wide, 6'-0" Stacking Height

## CONTROL PANEL

CONTROLS	Ignition, Engine Speed, Tub Controls, Augers/Conveyor Controls, Table Raise/Lower
GAUGES	Engine Temp, Voltmeter, Fuel Gauge, Tach/Hourmeter, Mill Hourmeter, Tub Pressure Gauge, Auger Pressure Gauge, Diagnostic Lights

## OPTIONAL EQUIPMENT

SCREENS	1 1/2", 2", 3", 4" Dia. Round; 3" X 5", 4" X 6", 10" X 14", Progressive
STACKING CONVEYOR	8'-0" Long, 30" Wide, 6'-0" Stacking Height
MAGNETIC ROLLER	Magnetic Conveyor Drive Pulley with Nail Chute
HAMMERS	12 1/2 lb Flail Hammer with Optional Replaceable Tip

## Sales & Service By



## Recycling Equipment Division

Toro reserves the right to improve our products and make changes in the specifications, designs and standard equipment without notice and without incurring obligation. "Toro" is a registered trademark of The Toro Company and "Progrind" is a trademark of the Toro Company. Product depicted in this literature is for demonstration purposes only. Actual product offered for sale may vary in design, required attachments and safety features.

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