

PROGRIND

SERIES

PG-5200



Engineered for Performance, Built for Endurance

P.O. Drawer 507 • Leeds, Alabama 35094 • Phone (205) 640-5181 • Fax (205) 640-1147 • Email: sales@precisionhusky.com

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PG-5200

KNUCKLE-BOOM LOADER OPTION

Ultimate Control, Comfort and Safety

The large cab on the loader unit allows full movement and comfort for the operator, as well as complete control of the grinder while loading. 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 backed by two steel bars for operator safety. Air conditioning is included as a standard feature.



Dust and water resistant shock-mounted control box with Sauer Plus 1 system and smart display panel to display oil pressure, oil temperature, engine temperature, engine volt meter, tach/hourmeter, mill hourmeter, fuel gauge, all system pressures, fault codes. Key switch, indicator lights for, mill rotating, tub speed auto and radio remote on. Toggle switch control for engine fast/slow, tub fast/slow, tub forward/reverse, tub start/stop, tub auto/manual, remote on/off, hydraulic jacks raise/lower, conveyor fold/unfold, conveyor raise/lower, conveyor/augers start/stop, and table raise/lower. Clutch is engaged through its own control panel with fault indicators.

The most powerful, easy to use tub grinder in the industry. Designed with innovative features and advanced technologies to give you the power and production needed to tackle the most demanding grinding operations.

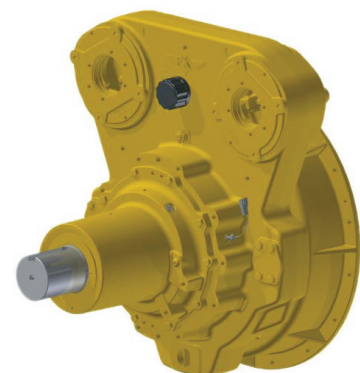
SUPERIOR GRINDING PERFORMANCE



With one of the most aggressive hammermills in the industry, the ProGrind 5200 can cut through mountains of green waste at production rates of over 100 tons-per-hour. ProGrind's special double-bolt hammer tips provide more durability and grinding ease, assuring high production rates, less wear on the hammermill and easy maintenance.

INTRODUCING THE NEW PG-5200

- PT Tech Totally Enclosed Wet Hydraulic Clutch
- Individually Controlled Auger Motors with 20% Increase in Rotation Speed.
- Flexxaire Automatic Reversing Hydraulically Actuated, Variable Pitch Radiator Fan
- Double Capacity 140 Tub Drive Chain
- 24 Tub Drive Sprockets
- Larger, 255/70R22.5 Tires
- 60" Wide Stacking Conveyor
- Improved Electrical Including Multiple Wire Harnesses with Deutch Connectors
- Sauer/Danfoss Plus 1 System with Smart Display Panel.
- Increased Radiator Size
- NBB, CE Rated Can Buss Radio Remote Control Option



The PT Tech HPTO™ Hydraulic Power Take-Off is a totally enclosed wet hydraulic clutch that requires no adjustment throughout its wear life. During a torque spike, the clutch will act as a torque limiter by slipping to absorb the shockload. A Microprocessor Controller provides remote push button controlled clutch engagement of the HPTO. The controller is capable of monitoring clutch pressure, temperature, filter condition, engine speed, and clutch output speed. The controller features an ISO standard symbol display with LED lights to indicate system conditions.



The CAN+ radio remote controls include engine fast/slow, clutch engage allow/disengage, tub forward/reverse, tub fast/slow, tub on/off, conveyor/augers start/stop, conveyor raise/lower and emergency stop.



Specifications

General Dimensions

Transport Length	44' [13.41m]
Transport Height	13'-6" [4.10 m]
Transport Width	11'-11" [3.63 m]
Loading Height	10'-9" [3.28 m]
Tongue Weight	20,000 lbs. [9,072 kg]
Axle Weight	54,000 lbs. [24,494 kg]
Gross Weight	74,000 lbs [33,566 kg]
Tongue Weight w/ Loader	26,500 lbs. [1,134 kg]
Axle Weight w/ Loader	53,500 lbs. [24,267 kg]
Gross Weight w/ Loader	80,000 lbs. [36,287 kg]



Engine Assemblies

Model	Caterpillar C27
Horsepower	875-1050 HP [652 - 783 kw]
Air Cleaners	Donaldson Dry Type
Fuel Capacity	450 gal. [1,704 L]
Fluid Drive	PT Tech Fluid Drive
Drive Shaft	Spicer 1910
Final Drive	1:1, 2100 RPM

Hammermill

Opening	27" x 63" [686 x 1600 mm]
Length	60" [1.5 m]
Diameter	16 7/8" [429 mm] O.D. with 8 1/4" [210 mm] Diameter Center
Shaft	7" [178 mm] Diameter Hardenend Alloy Steel
Mill Plates	2" [51 mm] Thick, Machined to 1 15/16" [49 mm] in Hammer Swing Area
Hammers	(32) 36 lb. [16.3 kg] Fixed w/2-Bolt Replaceable Tips Heat treated and Hard Surfaced
Hammer Swing Diameter	26 3/4" [680 mm]
Hammer Rods	(12) 2 1/4" [57 mm] Diameter Alloy Steel
Bearings	4 7/16" [113 mm] Double Row Spherical w/ Heat Monitoring System and Custom Ductile Cast Iron Housing
Screens	Four (4) 1" [254 mm] Thick Split Screens
Screen Size	3,100 sq. in. [2.0 sq. m]

Tub

Inside Width	10'-0" [3 m]
Flare Width	13' [3.96 m]
Depth	56" [1.4 m]
Walls	7/16" [11.1 mm] Steel Channel w/ Eight (8) 3/4" [19 mm] Stiffeners Welded Vertically to Support Tub and Flares
Fin Agitators	Six (6) 3/4" x 5" [19 mm x 127 mm]
Speed	Variable, Up to 9 RPM Forward and Reverse; Auto-Reverse if Jammed
Drive	Tub Rotates by two (2) Hydraulic Piston Motors, Each Directly Driving a 140 DC Chain

Discharge System

Augers	Three (3) 12" [305 mm] Hydraulically Driven and Reversible
Stacking Conveyor	60" [152 mm] x 26' [7.9 m] Long x 15' [4.6 m] Stacking Height
Magnetic Pulley	12" x 62" [305 x 1575mm] Magnetic Pulley w/ Nail Chute

Control Panel

Controls / Gauges	Dust and Water Resistant Shock-Mounted Control Box w/ Sauer Plus 1 System and Smart Display Panel to Include All Operating and Diagnostic Data.
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Optional Loader

Reach	25'-1" [7.64 m]
Lift Capacity	9650 lbs. [4377 kg] @ 10' [3.05 m] 6650 lbs. [3016 kg] @ 15' [4.57 m] 5100 lbs. [2313 kg] @ 20' [6.10 m]
Cab Controls	Electric Operated Joystick Controls; Engine Speed; Clutch, Tub, Conveyor, Outtrigger and Cab Height Controls.
Cab Gauges	All included in Control Panel Display
Cab Features	1/2" [13 mm] Lexan Windshield, Wiper, Washer, Defroster, Dome Light, Fan, Horn, Insulation, Heater, Air Conditioner, Raises for Loading
Grapples	1/3 Cord Bypass or Claw. Continuous Rotation

Optional Equipment

Screens	Various Standard and Custom Sizes Available.
Other	Air Compressor, Radio Remote Control, Auto-Reversing Fan.

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Sales and Service



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PROGRIND

SERIES
HORIZONTAL GRINDERS



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HORIZONTAL GRINDERS

From a 520HP to a 1050HP [388kw - 783kw] diesel engine, the Horizontal Grinder's innovations start with the large diameter infeed roll that is sensitive enough to permit grass clippings, brush, limbs, pallets, slabs, logs and stumps to be fed at variable speeds for continuous rather than batch feeding.

Engineered with dual cutting surfaces at varying depths which virtually eliminates the frequent jamming characteristic of more conventional type grinders. The downward rotation, along with the double cut hammermill, provides a more efficient cut, increases production and produces a better quality product. In contrast, shredders using an upward rotating hammermill are reported to be significantly less efficient.

The large diameter feed wheel along with dual opening doors at the rear of the hammermill allows easy access to the screen and hammermill area. When fully raised, the feed wheel locks in place by a hydraulically operated safety pin.

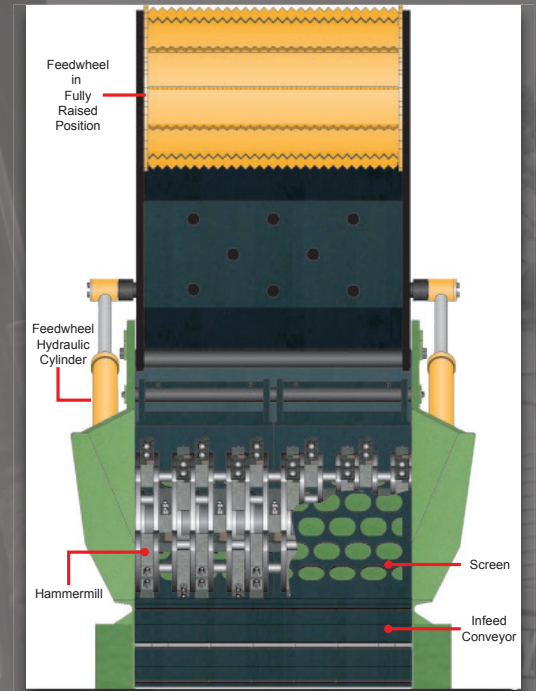
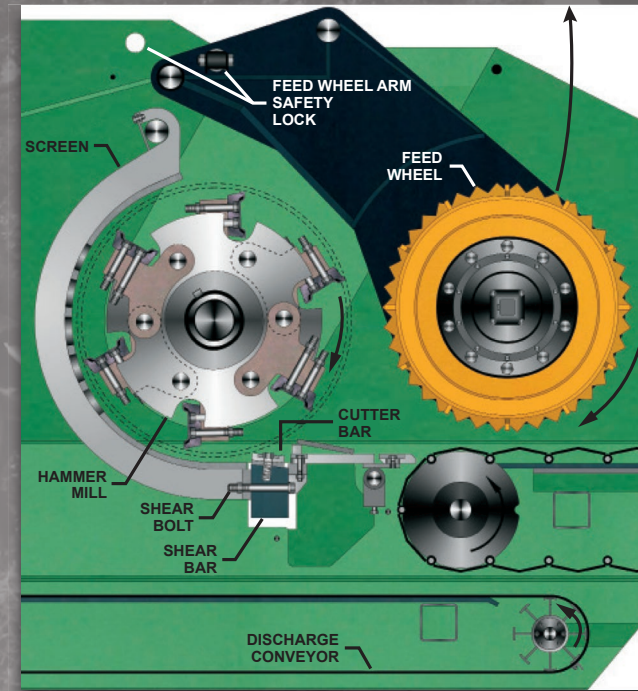
Knife holders and counterweights can be added to the standard hammermill in place of the hammer bodies and hammers. This versatility allows users to switch from grinding to chipping in minimal time. Also available are 2-knife and 4-knife chipper drums that are completely interchangeable and produce chips ranging from 1/4" [6mm] to 1-1/4" [32mm].

All units are available track or trailer mounted.

H-3045



- 30" (762mm) Cutting Diameter
- 45" (1.14m) Infeed Width
- Caterpillar 520HP [388kw] Diesel Engine



H-3060



- 30" (762mm) Cutting Diameter
- 60" (1.52m) Infeed Width
- Caterpillar 580HP [433kw] Diesel Engine

H-4060

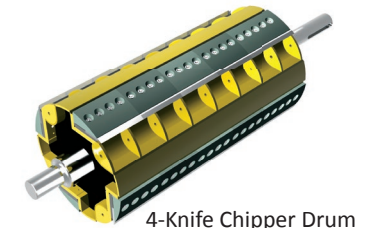
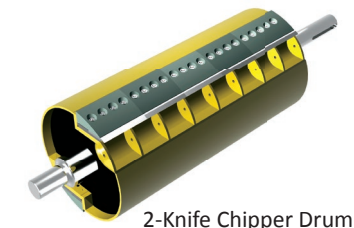
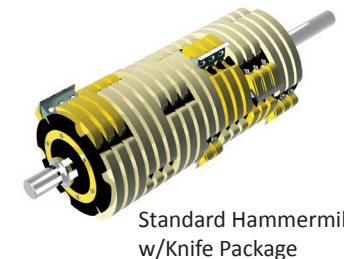
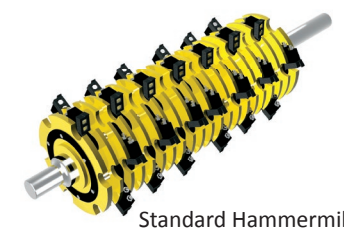


- 40" (1.02m) Cutting Diameter
- 60" (1.52m) Infeed Width
- Caterpillar 875-1050HP [653-783kw] Diesel Engine

ALL HORIZONTAL MODELS INCLUDE:

- Dual Shear Protection for Hammermill
- Remote Control
- Magnetic Head Pulley for Metal Separation
- Steel Infeed Belt
- Self-Adjusting Hydraulic Clutch
- Fold Down Infeed Tailgate for Increased Bed Length and Closes for "Hopper" Style Feeding
- Enclosed Engine Cover with Dual Access Doors for Ease of Maintenance

WHAT'S YOUR CHOICE?



Specifications



General Dimensions

H-3045

Transport Length 31' - 4" [9.55m]
 Transport Height 13' - 6" [4.11m]
 Weight 44,000 lbs [19,958kg]
 Axle Weight 33,000 lbs [14,968kg]
 Tongue Weight 11,000 lbs [4,989kg]
 Width 8' - 6" [2.59m]

H-3060

33' [10.06m]
 13'1" [3.99m]
 57,000 lbs [25,855kg]
 41,000 lbs [18,636kg]
 14,500 lbs [6,577kg]
 9' - 10" [2.99m]

H-4060

40' [12.85m]
 13' - 1" [3.99m]
 73,000 lbs [33,182 kg]
 49,250 lbs [22,386 kg]
 23,750 lbs. [10,795 kg]
 9' - 10" [2.99m]

Infeed

Width (Flare) 60" [1.52m]
 Width (Belt) 45" [1.14m]
 Open Bed Length 18' - 10" [5.74m] to Hammermill
 Closed Bed Length 12' - 9" [3.88m] to Feed Wheel
 Loading Height 93" [2.36m]
 Infeed Belt 3/8" [9.5mm] cat style chain
 Infeed Belt Speed 0 to 50 Feet per Minute
 [15.2 Meters per Minute]

75" [1.9m]
 60" [1.52m]
 20' - 10" [6.35m] to Hammermill
 14' - 9" [4.50m] to Feed Wheel
 94" [2.4m]
 3/8" [9.5mm] cat style chain
 0 to 70 Feet per Minute
 [18.3 Meters per Minute]

75" [1.9m]
 60" [1.523m]
 20' [6.1m] to Hammermill
 14' [4.3m] to Feed Wheel
 94" [2.4m]
 3/8" [9.5mm] cat style chain
 0 to 70 Feet per Minute
 [18.3 Meters per Minute]

Discharge System

Belly Conveyor 44" (1.1m) wide 350pvc belt with a hydraulically driven head pulley

59" (1.5m) wide 350pvc belt with a hydraulically driven head pulley

59" [1.5m] wide 350pvc belt with a hydraulically driven head pulley

Stacking Conveyor

Reservoirs 48" [1.22m] wide x 25'-6" [7.77m] long
 Hydraulic Tank with a 10" x 50" [254mm x 1.27m]
 Fuel Tank Magnetic head pulley

48" [1.22m] wide x 25'-6" [7.77m] long
 with a 12" x 50" [305mm x 1.27m]
 Magnetic head pulley

60" [1.52m] wide x 25'-6" [7.77m] long
 with a 12" x 60" [305mm x 1.52m]
 Magnetic head pulley

Reservoirs

Hydraulic Tank 70 gallon [256 L] capacity
 Fuel Tank 130 gallon [492.1 L] capacity

70 gallon [256 L] capacity
 200 gallon [757.1 L] capacity

100 gallon [378.5 L] capacity
 300 gallon [1,136 L] capacity

Hammermill

Opening 45" x 30" [1.14m x 762mm]
 Cutting Diameter 30" [762mm] diameter
 Mill Speed 800 RPM
 Mill Hammers (30) two-bolt notched fixed hammers
 Mill Shaft 7" [177.8mm] hardened alloy steel
 Hammer Rods (6) 1-3/4" [44.5mm] alloy steel
 Support Bearings 4-7/16" [112.7mm] double row spherical

60" x 30" [1.52m x 762mm]
 30" [762mm] diameter
 800 RPM
 (40) two-bolt notched fixed hammers
 7" [177.8mm] hardened alloy steel
 (6) 1-3/4" [44.5mm] alloy steel
 4-7/16" [112.7mm] double row spherical

60" x 40" [1.52m X 1.02m]
 40" [1.02m] diameter
 675 RPM
 (40) two-bolt notched fixed hammers
 7-1/2" [190.5mm] hardened alloy steel
 (10) 1-3/4" [44.5mm] alloy steel
 5-7/16" [138.1mm] double row spherical

Diesel Engine

Caterpillar 520HP [388kw]

Caterpillar 580HP [433kw]

Caterpillar 875HP [653kw] -or- Caterpillar 1050HP [783kw]

Radio Remote

Standard

Standard

Standard

Padlocked instrument panel for security locking fill caps for fuel and hydraulic

Padlocked instrument panel for security locking fill caps for fuel and hydraulic

Padlocked instrument panel for security locking fill caps for fuel and hydraulic

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