

**Track Mounted
Heavy-Duty
Horizontal
Grinder**

**High Production
Waste Wood
Grinding with the
flexibility of
track mounting**

Model 6710B

The Peterson model 6710B Horizontal Grinder is a track mounted version of 6700B. Powered by a Caterpillar C27 or C32, the 6710B is designed for the biggest jobs. With a feed opening of 50 x 66 inches, the 6710B can even process large stumps that used to be reserved for tub grinders! The grinder is particularly suited for land clearing operations or other applications where mobility is desired. Track mounting also reduces material handling costs in conventional recycling yards as well.



The track mounted model 6710B makes grinding more efficient just about anywhere

The 6710B features Peterson's Adaptive Control System II, which controls all components of the feed system to optimize output. This third-generation system monitors the grinding load and varies the speed of the feed system to keep the engine working at the top of its power curve. It automatically accelerates the feed system when the engine load is light, slows when the load is high, and reverses if the engine speed drops. It even monitors the engine temperature and varies the cooling fan speed to minimize power usage and reduce fuel consumption.

Peterson's three-stage grinding process with an up turning rotor and large grate area enables the 6710B to produce materials to exact specifications. Our quick-change multiple grate system makes it easy to customize grate configurations to produce a wide variety

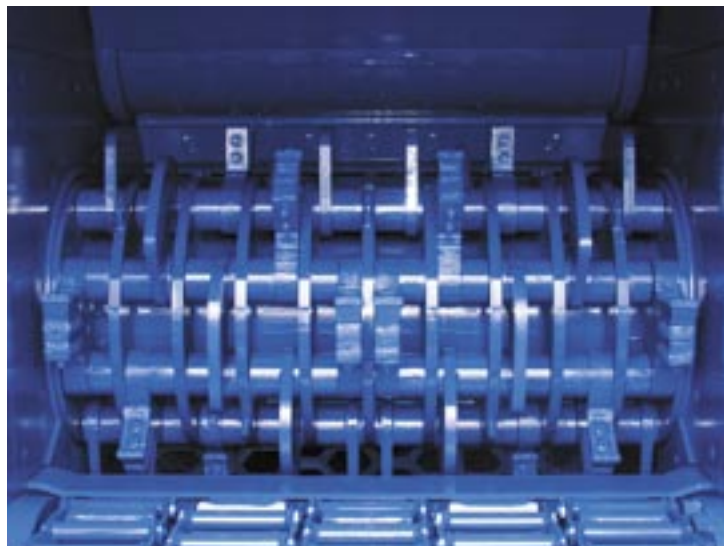
of finished materials. Grates are removed through an access door on the side wall of the 6710B.

Unique to Peterson Grinders is our innovative latching Impact Release System, which minimizes damage from contaminants in the feed material. The anvil and first grate open on a severe impact, allowing the contaminant to be ejected, and then re-latch to permit continuous grinding.

Another major innovation on the 6710B is Peterson's Impact Cushion System. Urethane cushions allow movement of the compression roll/anvil housing pivot shaft, cushioning impacts due to contaminants in the feed material. Shear pins above the cushion and a sensing circuit that stop the engine help protect the shaft from catastrophic damage in the event of a severe impact.

Rotor options include a traditional "drum" style rotor for general applications, and a "pinned" style for high impact applications such as contaminated construction & demolition (C&D).

Peterson specializes in developing delivery and processing equipment that turns low-grade organic materials into high value products.



The Peterson 6710B is available with a pinned style or drum style rotor



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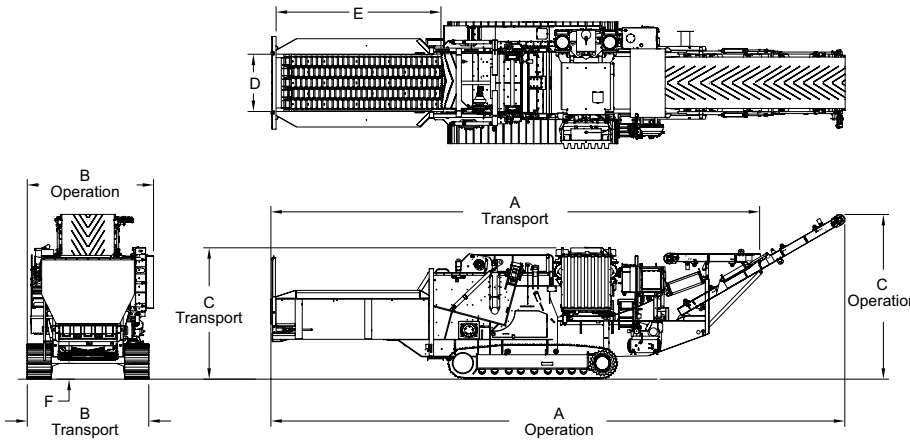
PO Box 40490 • Eugene, OR 97404 • Tel 800.269.6520 Fax 541.689.0804 • www.petersoncorp.com



6710B

General Dimensions

A	Operating Length	54'-8 1/2" (16675mm)
	Travel Length	46'-7" (14197mm)
B	Operating Width	12'-1 1/2" (3671mm)
	Travel Width	11'-7" (3530mm)
C	Operating Height	15'-9 3/4" (4820mm)
	Travel Height	12'-6 3/8" (3819mm)
D	Hopper Width	65-1/2" (1663mm)
E	Hopper Length	15' 8-1/2" (4788mm)
F	Ground Clearance	18" (457mm)



External Dimensions

Length - Operation	54'-8 1/2" (16675mm)
Length - Travel	46'-7" (14197mm)
Width - Operation	12'-1 1/2" (3671mm)
Width - Travel	11'-7" (3530mm)
Height - Operation	15'-9 3/4" (4820mm)
Height - Travel	12'-6 3/8" (3819mm)
Weight	approx 105,000 lbs (47627 kg) <i>depending on options</i>

Tracks

Ground Clearance	1'-6" (457mm)
Undercarriage	Hitachi ZX330LC-3
Track Type	Triple Grouser, 27.6 in (700mm) wide
Travel Speed	.9 / 1.3 mph (1.5/2.1 kph)
Ground Pressure	11.7 lbs/in ² (80.7 kPa)

Powertrain

Engine	Caterpillar C27 or C32 Tier II
Horsepower	C27 @ 950hp (783kW) or 1050hp (783kW) C32 @ 950hp (708kW), 1125hp (839kW) or 1200hp (895kW)
Clutch	Twin Disc HP 600
Fuel Tank Capacity	400 U.S. gal (1514.12L)
Main Hydraulic Tank Capacity	95 U.S. gal (359.60L)

Feed System

Total Hopper Capacity	10.4 yd ³ (7.95 m ³)
Hopper Width	65-1/2" (1663mm)
Hopper Length	15'-8 1/2" (4788mm)
Drag Chain Size	WDH120
Hopper Loading Height	8'-6 1/4" (2597mm)
Feed Opening (width x height)	66" x 50" (1676 x 1270mm)
Compression Roll dia (tip to tip)	36" (914.4mm)

Rotor

Rotor Shaft Size	6 7/16" (163.51mm)
Rotor Diameter	46 1/2" (1181.10mm)
Rotor Width	69 3/8" (1762mm)
Rotor Speed	840 rpm @ 2100 rpm (engine)
Bit Size (width x height)	3" X 6 1/2" (76.20mm X 165.10mm)
Number of Bits	Drum Rotor – 22, Pinned Rotor – 20

Grate Data

Number of Grate Sections	4
Total Grate Area	5253 in ² (33890mm ²)
Grate Coverage	186 degrees
Grate Thickness	1" (25.4mm) or 1 1/2" (38.1mm)

Discharge System

Discharge Conveyor Width	60" (1524mm)
Conveyor Speed	450 - 700 ft/min (137.20 - 213.36m/min)
Discharge Height (top of head pulley)	15'-9 3/4" (4820mm)

Optional Equipment

- Air Compressor
- Centralized Greasing
- Magnetic Pulley
- Magnetic Cross Belt Conveyor
- Metal Collection Container
- Grate Hangers
- Feed chain return pan

Production – C32 1200hp

Greenwaste 583 yd³/170 US tons (446 m³/154 metric tons) per hour
 Scrap Board 653 yd³/111 US tons (499 m³/101 metric tons) per hour
(Actual output may vary due to moisture content, material density, material size, support equipment, and grate size.)

Specifications subject to change without notice



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Find out more about the entire Peterson product line at: