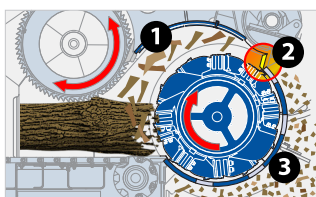


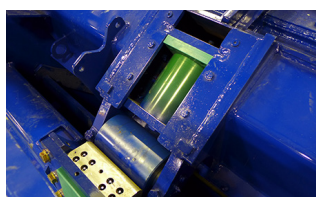
4710B Horizontal Grinder

High production waste wood or asphalt grinding
in an easy to transport configuration.



3-Stage Grinding Process Provides Faster Reduction

Peterson's powerful up-turn 3-stage grinding process provides better fracturing of material and a more consistent product, giving you just the product your buyers are looking for.



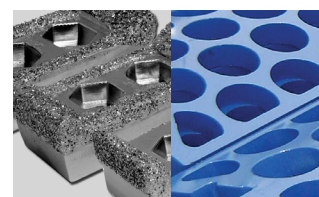
The Impact Release System Protects Your Investment

Peterson's patented Impact Release System's latching detent system (cover removed) provides uniform grinding and protection from contaminated feedstock, a feature unique to Peterson grinders.



The Second Line of Defense: The Impact Cushion System

Urethane cushions and shear pins help protect the mill from catastrophic damage in the event of a severe impact from contaminants in the feed stock.



Use Peterson Bits and Grates for The Best Quality Product

Peterson offers a wide variety of durable, long-lasting bits and grates to enable you to produce exactly the products your customers demand.

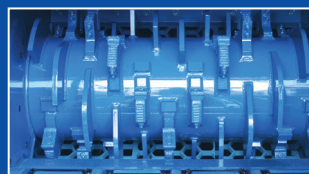
The 4710B is a track mounted horizontal grinder designed for high-volume producers with very demanding end-product specifications. Boasting 18 inches (45.7cm) of ground clearance—this model is particularly suited for land clearing operations or other applications where mobility and frequent moving is desired. Track mounting also reduces material handling costs in conventional recycling yards as well.

The 4710B is powered by a Tier II Caterpillar C18 engine rated at 765 horsepower (570 kW). It features Peterson's Adaptive Control System, which controls all components of the feed system to optimize output. This

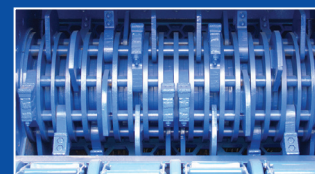
system senses variations in the engine load and adapts the operating parameters to produce the maximum amount of material at all times.

Peterson's three-stage grinding process with an up-turning rotor and large grate area enables the 4710B to produce materials to exact specifications. 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.

The IQAN control system provides the operator with complete engine and system parameters to simplify set up



The 4710B features a drum (left photo) or pinned (right photo) rotor.



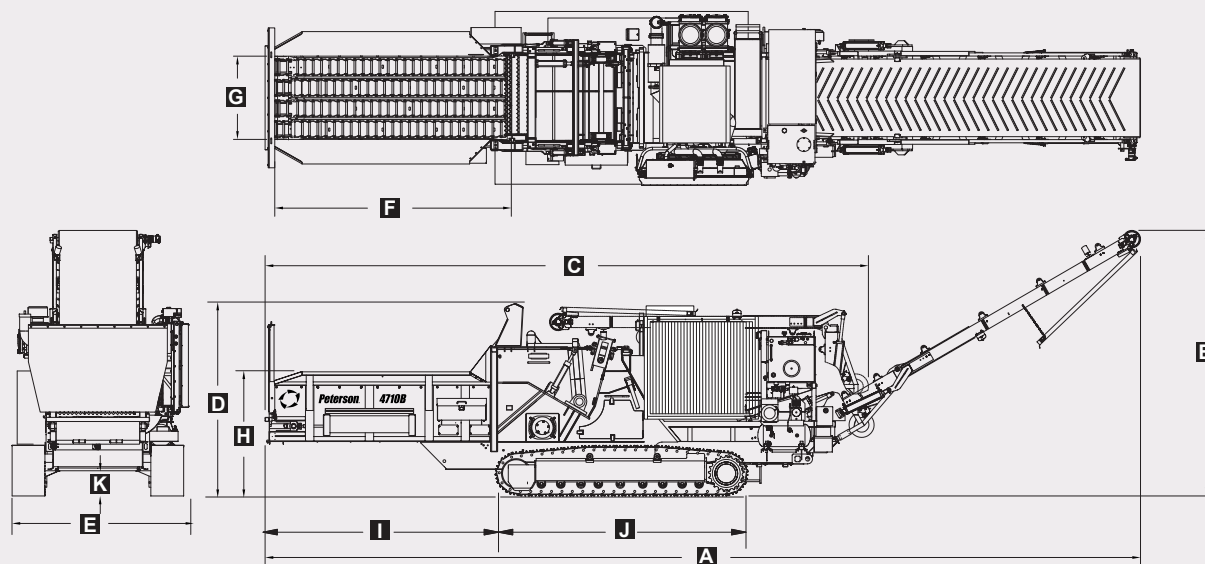
to efficiently operate the unit. Fault indicators make trouble shooting easy.

Since 1981, Peterson has specialized in the developing of delivery and processing equipment that turns low-grade organic materials into high value products.



Peterson
an Astec Industries Co.

4710B Dimensions



4710B Specifications

Scan with your smartphone
to see a video of the 4710B



Dimensions

A Operating Length	52'-6 1/4" (16 m)
B Operating Height	15'-9 3/4" (482 cm)
C Travel Length	36'-2 1/4" (1103 cm)
D Travel Height	11'-6" (351 cm)
E Operating/Travel Width	10'-9" (328 cm)
F Hopper Length	14'-2" (432 cm)
G Feed Conveyor Width	60" (152 cm)
H Hopper Height	7'-4 3/4" (225 cm)
I Front to Track Length	13'-9 1/2" (420 cm)
J Track Length	15'-2 1/4" (463 cm)
K Rear Frame Height	18" (45.7 cm)

Feed Opening (width x height)	60 x 37 1/2" (152 x 95 cm)
Compression Roll Diameter (tip to tip)	33 1/2" (85 cm)

Rotor

Rotor Shaft Size	4 15/16" (Shell rotor), 4 15/16" @ bearing 6 7/16" @ center (Pinned Rotor)
Rotor Width	63 1/2" (161 cm)
Rotor Speed	1050 rpm @ 2100 rpm (engine)
Rotor Diameter	38" (96.5 cm)
Bit Size (width x height)	2 3/4 x 5" (7 x 12.7 cm)
Number of Bits	22 drum rotor, 20 pinned rotor

Grate Data

Number of Grate Sections	4
Total Grate Area	4023 in ² (25955 cm ²)
Rotor Coverage	187 degrees
Grate Thickness	1" (2.54 cm) or 1 1/4" (3.12 cm)

Discharge System

Discharge Conveyor Width	54" (137 cm)
Conveyor Speed	450 ft/min (137.20 m/min)

Optional Equipment

Air Compressor, Magnetic Pulley, Grate Hangers

Production

Greenwaste	360 yd ³ /95 US tons (275 m ³ /86 metric tons) per hour
Scrap Board	425 yd ³ /65 US tons (325 m ³ /59 metric tons) per hour

(Actual output may vary due to moisture content, material density, material size, support equipment, and grate size. Production rates are based on grinding 50 minutes per hour.)

Specifications subject to change without notice.

Weight

Machine Weight*	74,000 to 79,000 lbs (33 566 to 33 834 kg)
*Varies depending on configuration	

Tracks

Ground Clearance	18" (45.7 cm)
Track Type	Triple Grouser, 23 1/2" (60 cm) wide
Travel Speed	0.8 5/ 1.6 mph (1.4 / 2.6 kph)
Ground Pressure	11.0 lbs/in ² (75.8 kPa)

Powertrain

Engine	Caterpillar C18
Horsepower	765 hp (570 kW) @ 2100 rpm
Clutch	Twin Disc wet disc clutch HP610S
Fuel Tank Capacity	300 U.S. gal (1136 L)
Main Hydraulic Tank Capacity	95 U.S. gal (360 L)

Feed System

Hopper Capacity	7.4 yd ³ (5.7 m ³)
Feed Chain	4 sections, full hopper width

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