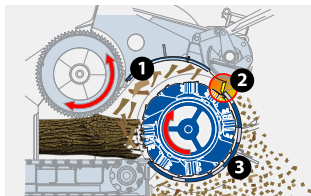


4710D Horizontal Grinder

High production in an easy to transport configuration.



Optional tow dolly available!



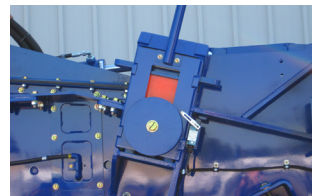
3-Stage Grinding Process Provides Faster Reduction

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.



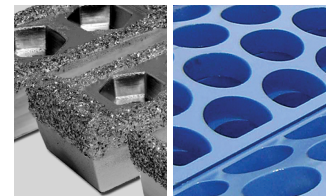
The Impact Release System Protects Your Investment

Peterson's patented Impact Release System's air bags 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 4710D is a track mounted horizontal grinder designed for high-volume producers with very demanding end-product specifications. Boasting 18 inches (46 cm) 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 4710D is powered by a Tier IV Caterpillar C18 engine rated at 755

horsepower (563 kW). A Tier II, 765 horsepower (570 kW) engine is also available. 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 4710D to produce materials to

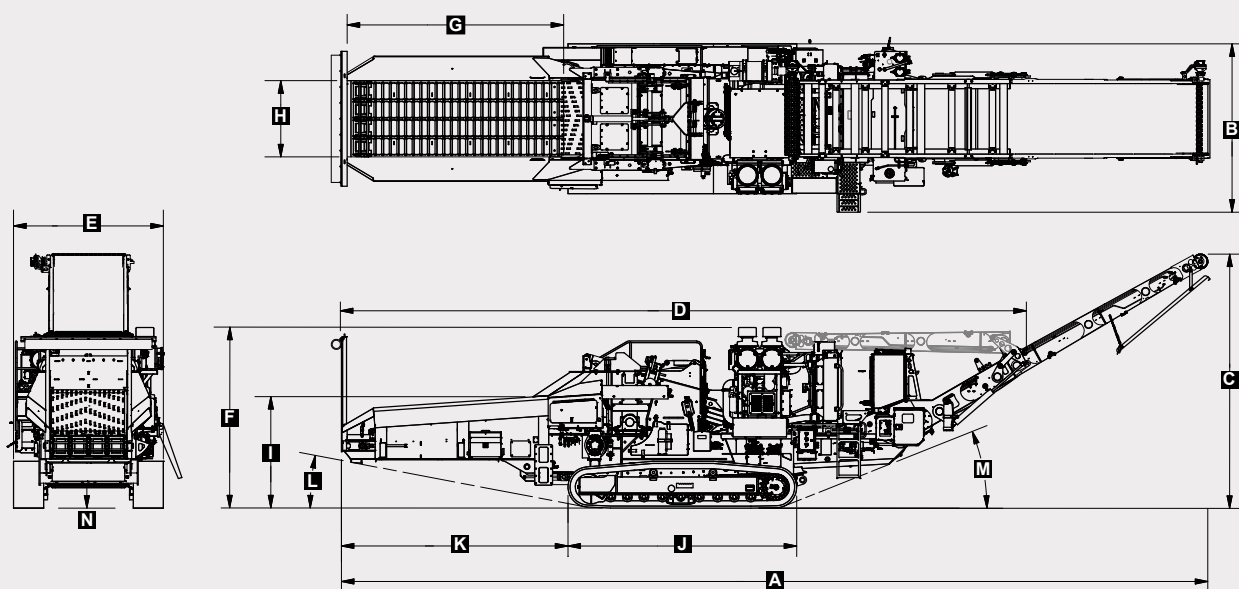
exact specifications. Quick-change multiple grate system makes it easy to customize grate configurations to produce a wide variety of finished materials. Grates are removed through an access door on the side wall.

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



Peterson
an Astec Industries Co.

4710D Dimensions



4710D Specifications

Dimensions

A Operating Length	56' 9" (1730 cm)
B Operating Width	11' (336 cm)
C Operating Height	16' 8" (508 cm)
D Travel Length	44' 11" (1369 cm)
E Travel Width	9' 10" (299 cm)
F Travel Height	11' 10" (361 cm)
G Hopper Length	14' 2" (432 cm)
H Feed Conveyor Width	5' (152 cm)
I Hopper Height	7' 4" (222 cm)
J Track Length	15' (457 cm)
K Front to Track	14' 10" (452 cm)
L Front Angle of Approach	11°
M Rear Angle of Approach	22°
N Ground Clearance	18" (46 cm)

Weight

Machine Weight*	79,000 lbs (35 834 kg)
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*Varies based on optional equipment and machine configuration.

Powertrain

Engine	Caterpillar C18 Tier IV, 755 hp (563 kW) @ 1800 rpm
Optional (Spring 2017)	Caterpillar C18 Tier II, 765 hp (570 kW) @ 2100 rpm
Clutch	PT Tech HPTO 15
Fuel Tank Capacity	300 US gal (1136 L)
Main Hydraulic Tank Capacity	90 US gal (341 L)

Tracks

Track Type and Width	triple grouser, 23.5" (60 cm)
Travel Speed	1.2/2.3 mph (1.9/3.7 kph)
Ground Pressure	11.4 lbs/in ² (78.6 kPa)

System Controls

Peterson Adaptive Control System
Radio Remote
Peterson ⁺ Analytics

Feed System

Hopper Capacity	7.8 yd ³ (6 m ³)
Feed Chain	4 sections, full hopper width
Feed Opening (width x height)	60" x 38" (152 x 97 cm)
Land Clearing Mode	60" x 53" (152 x 135 cm)
Compression Roll diameter (tip to tip)	33.5" (85 cm)

Rotor

Shell Rotor Shaft Size	5.9" (150 mm) @ bearing, 7.5" (190 mm) @ center
Pinned Rotor Shaft Size	5.9" (150 mm) @ bearing, 8.25" (209 mm) @ center
Rotor Speed	1050 fpm (320 mpm) @ 2100 rpm (engine)
Rotor Width	64" (161 cm)
Rotor Diameter	38" (96.5 cm)
Bit Size (width x height)	2.75" x 5" (70 x 127 mm)
Number of Bits	22 drum rotor, 20 pinned rotor

Grates

Number of Grate Sections	4
Total Grate Area	4023 in ² (25955 cm ²)
Grate Coverage	187°
Grate Thickness	1" (25 mm) or 1.25" (32 mm)

Discharge System

Discharge Conveyor Width	54" (137 cm)
Conveyor Speed	500, 600, 700 ft/min (152, 183, 213 mpm)

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 and size, support equipment, and grate size. Production rates are based on operating 50 minutes per hour.

Optional Equipment

Air Compressor, Magnetic Pulley, Grate Hangers, Tow Dolly with Outriggers, Feed Chain Return Pan, Feed Tailgate, Magnetic Cross Belt Conveyor

Measurements are rounded to the nearest whole increment. Specifications subject to change without notice.

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