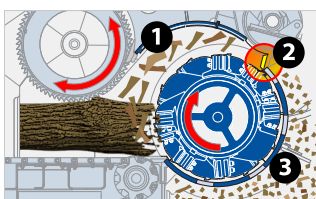


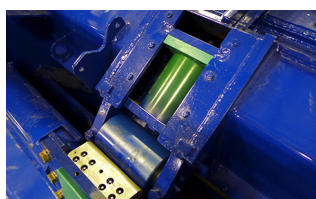
4700B Horizontal Grinder

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.



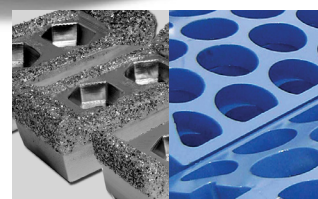
The Impact Release System Protects Your Investment

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.

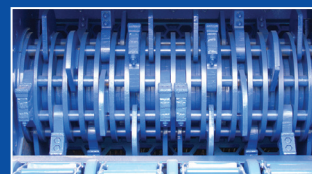
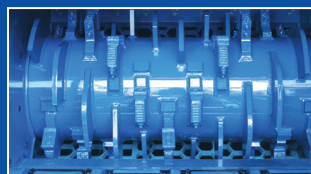
The Peterson 4700B horizontal grinder is our most popular model, and with good reason. Highly productive, efficient, and easy to transport, it hits the "sweet spot" in the Peterson grinder product line. It is powered by a Tier II Caterpillar C18 diesel engine with a rating of 765 horsepower (574 kW). With an internal drive compression roll and a 60 x 37½ inch (152 x 95 cm) feed opening, the 4700B can handle the requirements of your daily grind.

The 4700B features Peterson's Adaptive Control System, which controls all components of the feed system to optimize output. This system senses variations in 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 4700B to produce materials to exact specifications. The 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



The 4700B features a drum (left photo) or pinned (right photo) rotor.

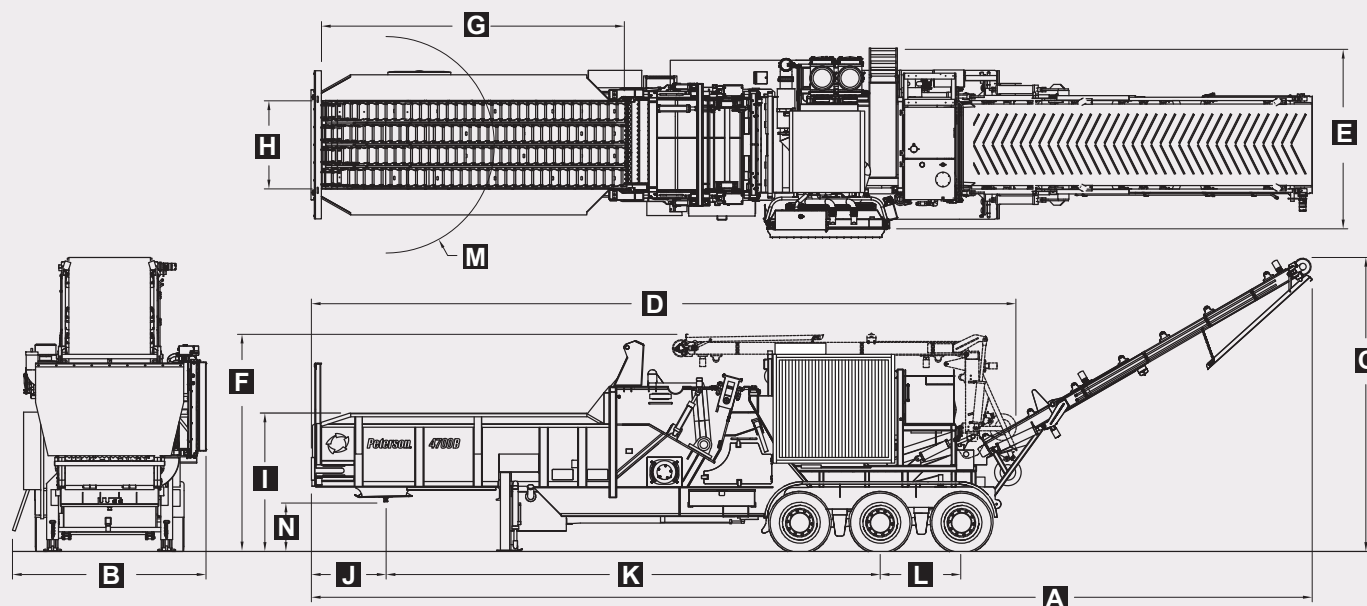
efficiently operate the unit. Fault indicators make trouble shooting easy.

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.

4700B Dimensions



4700B Specifications

Dimensions

| | |
|------------------------------|-------------------|
| A Operating Length | 56'-4" (172 m) |
| B Operating Width | 10'-8½" (326 cm) |
| C Operating Height | 16'-6½" (504 cm) |
| D Travel Length | 39'-8¾" (1211 cm) |
| E Travel Width | 9'-9½" (298 cm) |
| F Travel Height | 12'-3½" (375 cm) |
| G Hopper Length | 16'-11" (516 cm) |
| H Feed Conveyor Width | 60" (152 cm) |
| I Hopper Height | 7'-9" (236 cm) |
| J Front to 5th Wheel | 4'-2½" (128 cm) |
| K 5th Wheel to Center Axle | 27'-9¾" (848 cm) |
| L Axle Spacing | 4'-6½" (138 cm) |
| M 5th Wheel Clearance Radius | 6' (183 cm) |
| N 5th Wheel Height | 4'-1¾" (126 cm) |

Weights

| | |
|-------------------|--|
| Machine Weight * | 62,500 to 67,000 lbs (28 349 to 30 391 kg) |
| Tri-Axle Weight * | 42,500 to 45,000 lbs (19 278 to 20 412 kg) |

*depending on configuration

Powertrain

| | |
|------------------------------|----------------------------|
| Engine | Caterpillar C18 |
| Horsepower | 765 hp (570 kW) @ 2100 rpm |
| Clutch | Twin Disc HP610S Wet Disc |
| Fuel Tank Capacity | 300 US gal (1136 L) |
| Main Hydraulic Tank Capacity | 95 US gal (360 L) |

Feed System

| | |
|--|-------------------------------|
| Hopper Capacity | 9 yd³ (6.88 m³) |
| Feed Chain | 4 sections, full hopper width |
| Feed Opening (width x height) | 60" x 37½" (152 x 95 cm) |
| Compression Roll Diameter (tip to tip) | 33½" (85 cm) |

Scan with your smartphone
to see a video of the 4700B



Rotor

| | |
|---------------------------|-------------------------------------|
| Rotor Shaft Size | 4½" (113 mm) @ bearing, 82875 Shell |
| Rotor Speed | 1050 rpm @ 2100 rpm (engine) |
| Rotor Width | 63½" (161 cm) |
| Rotor Diameter | 38" (96.5 cm) |
| Bit Size (width x height) | 2¾ 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 in² (25955 cm²) |
| Rotor Coverage | 187 degrees |
| Grate Thickness | 1" (2.54 cm) or 1¼" (3.12 cm) |

Discharge System

| | |
|--------------------------|--------------------------|
| Discharge Conveyor Width | 54" (137 cm) |
| Conveyor Speed | 450 ft/min (137.2 m/min) |

Optional Equipment

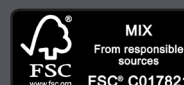
Asphalt Shingle Grinding Package, Air Compressor, Grate Hangers

Production

| | |
|-------------|---|
| Greenwaste | 360 yd³/95 US tons (275 m³/86 metric tons) per hour |
| Scrap Board | 425 yd³/65 US tons (325 m³/59 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.



PETERSON an Astec Industries Company

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

