

# 1710D

## Peterson Horizontal Grinder



455

horsepower

3.2 yd<sup>3</sup>

hopper capacity

185 yd<sup>3</sup>

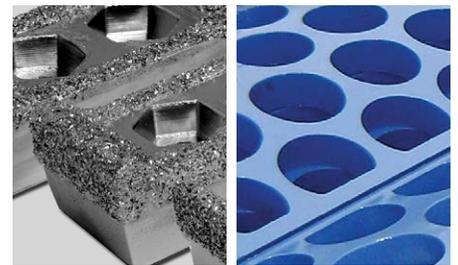
output

Heavy duty and mobile, the 1710D Horizontal Grinder can readily reduce a wide range of materials.

The 1710D's large feed opening, measures 54" x 27" (137 x 69 cm). When boosted by Peterson's high-lift feed roll, the feed opening's maximum lift of 41.5 inches (105 cm) can tackle the largest of feedstock, and allows excellent accessibility to the rotor for maintenance.

The 1710D Horizontal Grinder is equipped with a Caterpillar Tier IV C9.3B 455 hp (433 kW) engine, or an optional, export-only C9.3B Tier III, 415 hp (309 kW) engine. At 41,000 pounds (18,597 kg), it is the lightest of Peterson's grinder series, and is easily transportable.

Peterson's Adaptive Control System, featuring a fully adjustable feed system, is optimized for a wide range of materials. The 1710D control panel features a large display that provides the operator with complete engine and system parameters to



### Peterson Bits and Grates

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

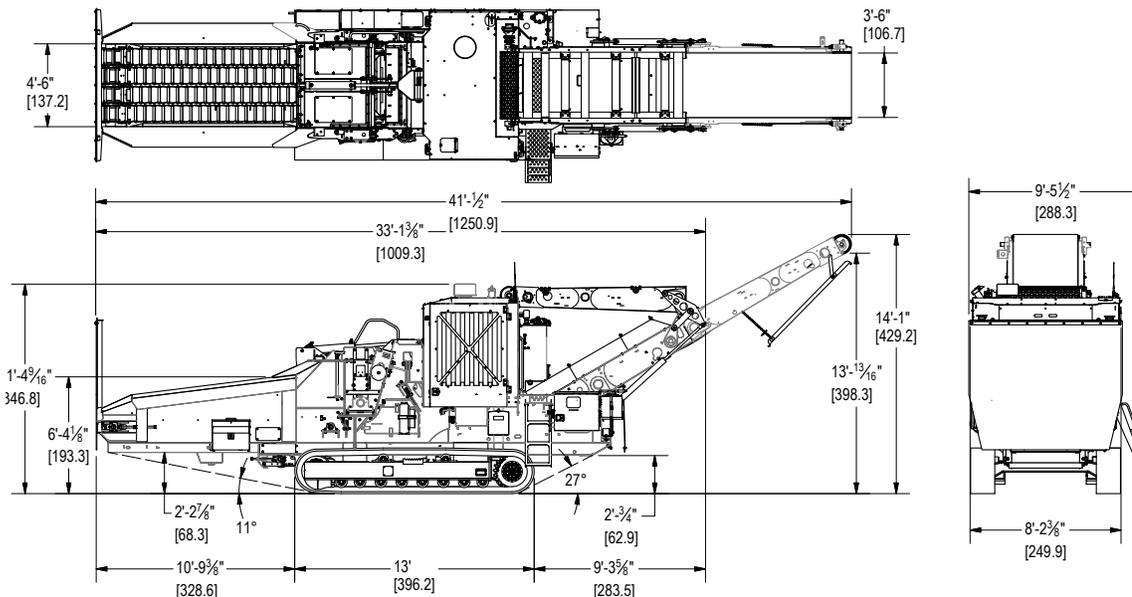
| DIMENSIONS              | FOLDING CONVEYOR | COMPACT CONVEYOR |
|-------------------------|------------------|------------------|
| Operating Length*       | 41' 1" (1250 cm) | 33' 1" (1008 cm) |
| Operating Width         |                  | 9' 6" (288 cm)   |
| Operating Height        | 14' 1" (429 cm)  | 11' 5" (348 cm)  |
| Travel Length*          |                  | 33' 1" (1009 cm) |
| Travel Width            |                  | 8' 2" (250 cm)   |
| Travel Height           |                  | 11' 5" (348 cm)  |
| Hopper Length           |                  | 10' 9" (328 cm)  |
| Hopper Height           |                  | 6' 4" (193 cm)   |
| Front to Track Length   |                  | 10' 9" (328 cm)  |
| Ground Clearance        |                  | 14" (36 cm)      |
| Front Angle of Approach |                  | 11°              |
| Rear Angle of Approach  |                  | 27°              |

| ESTIMATED WEIGHTS |                        |
|-------------------|------------------------|
| Machine Weight    | 46,500 lbs (21 092 kg) |

| POWERTRAIN                       |  |
|----------------------------------|--|
| Engine                           | Caterpillar C9.3B Tier IV, 455 hp (EU Stage V, 339 kW) |
| <i>export only</i>               | Caterpillar C9.3B Tier III, 415 hp (309 kW)            |
| Clutch                           | PT Tech SCT 2500                                       |
| Fuel Tank Capacity               | 146 US gal (553 L)                                     |
| Main Hydraulic Tank Capacity     | 72 US gal (272 L)                                      |
| DEF Tank Capacity (Tier IV Only) | 17 US gal (65 L)                                       |

| UNDERCARRIAGE        |  |
|----------------------|--|
| Track Type and Width | triple grouser, 15.75" (40 cm)                     |
| Travel Speed         | 1.2/2.3 mph (1.9/3.7 kph)                          |
| Ground Pressure      | 10.5 lbs/in <sup>2</sup> (.74 kg/cm <sup>2</sup> ) |

| SYSTEM CONTROLS                  |  |
|----------------------------------|--|
| Peterson Adaptive Control System |  |
| Radio Remote                     |  |
| Peterson+ Analytics              |  |



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Specifications vary based on optional equipment and machine configuration and are subject to change without notice. Measurements are rounded to the nearest whole increment.

| FEED SYSTEM                            |   |
|--|---|
| Hopper Capacity                        | 3.2 yd <sup>3</sup> (2.5 m <sup>3</sup> ) |
| Feed Chain                             | 4 sections, full hopper width             |
| Feed Conveyor Width                    | 4' 6" (137 cm)                            |
| Feed Opening (width x height)          | 54" x 27" (137 x 69 cm)                   |
| Land Clearing Mode                     | 54" x 41.5" (137 x 105 cm)                |
| Compression Roll diameter (tip to tip) | 24" (61 cm)                               |

| ROTOR                     |   |
|---------------------------|---|
| Rotor Speed               | 10,000 fpm (3050 mpm) @ 2200 rpm (engine) |
| Rotor Width               | 55.5" (141 cm)                            |
| Rotor Diameter            | 26.5" (67 cm)                             |
| Bit Size (width x height) | 2.5" x 4.5" (63 x 114 mm)                 |
| Number of Bits            | 22 drum rotor, 20 pinned rotor            |

| GRATES                   |  |
|--------------------------|--|
| Number of Grate Sections | 3  |
| Total Grate Area         | 15.6 ft <sup>2</sup> (1.5 m <sup>2</sup> ) |
| Grate Coverage           | 174°                                       |
| Grate Thickness          | 3/4" (19 mm)                               |

| DISCHARGE SYSTEM          | FOLDING CONVEYOR                | COMPACT CONVEYOR |
|---------------------------|---------------------------------|------------------|
| Discharge Conveyor Width  |                                 | 3' 6" (107 cm)   |
| Discharge Conveyor Height | 14' 1" (429 cm)                 | 9' 7" (292 cm)   |
| Conveyor Speed            | 500 or 600 fpm (152 or 183 mpm) |                  |

| PRODUCTION* hourly | GREEN WASTE                               | SCRAP BOARD                               |
|--------------------|---|---|
| C9.3B              | 140 yd <sup>3</sup> (107 m <sup>3</sup> ) | 185 yd <sup>3</sup> (141 m <sup>3</sup> ) |
|                    | 39 US tons (35 tonnes)                    | 30 tons (27 tonnes)                       |

\*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.

| OPTIONS                   |                    |
|---------------------------|--------------------|
| • Liquid Injection System | • Cold Weather Kit |
| • Feed Tailgate           | • Flat Feed Deck   |
| • Magnetic Head Pulley    | • LED Work Lights  |
| • Crossbelt Magnet        | • CE Certification |
| • Export Kit              | • Dust Control     |

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