**2700D Horizontal Grinder**

Powerful, compact, and productive

The **2700D** is designed for operations requiring high production and frequent moves between jobs.

**The 2700D is powerful with a Caterpillar Tier IV C15 580 hp (433 kW), C18 755 hp (563 kW), or an optional export-only C18 Tier II, 765 hp (570 kW) engine. Heavy duty and mobile, the 2700D can readily reduce a wide range of materials.**

The 2700D’s large feed opening, measures 60” x 32” (153 x 81 cm), when boosted by Peterson’s high lift feed roll, the feed opening’s maximum lift of 44 inches (112 cm), can tackle the largest of feedstock.

Peterson’s Adaptive Control System, featuring a fully adjustable feed system, is optimized for a wide range of materials. The 2700D control panel features a large display that provides the operator with complete engine and system parameters to simplify set up and efficiently operate the unit.

The **2700D features a quick-change multiple grate system, making it easy to customize grate configurations. Grates are removed through an easy-access door on the side wall. With Peterson’s patented up-turn rotor and proprietary bits, the 2700D has an exceptional wear life.**

**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.
2700D Specifications

**Dimensions**

<table>
<thead>
<tr>
<th>Letter</th>
<th>Specification</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Operating Length</td>
<td>55' 1&quot; (1679 cm)</td>
</tr>
<tr>
<td>B</td>
<td>Operating Width</td>
<td>10' 3&quot; (312 cm)</td>
</tr>
<tr>
<td>C</td>
<td>Operating Height</td>
<td>16' 3&quot; (526 cm)</td>
</tr>
<tr>
<td>D</td>
<td>Travel Length</td>
<td>43' 9&quot; (1334 cm)</td>
</tr>
<tr>
<td>E</td>
<td>Travel Width</td>
<td>8' 4&quot; (254 cm)</td>
</tr>
<tr>
<td>F</td>
<td>Travel Height</td>
<td>11' 7&quot; (353 cm)</td>
</tr>
<tr>
<td>G</td>
<td>Hopper Length</td>
<td>15' 7&quot; (475 cm)</td>
</tr>
<tr>
<td>H</td>
<td>Hopper Height</td>
<td>7' 9&quot; (236 cm)</td>
</tr>
<tr>
<td>I</td>
<td>Axle Spacing</td>
<td>5' 0&quot; (152 cm)</td>
</tr>
<tr>
<td>J</td>
<td>Front to 5th Wheel</td>
<td>5' 3&quot; (160 cm)</td>
</tr>
<tr>
<td>K</td>
<td>5th Wheel to Center Axle</td>
<td>30' 11&quot; (942 cm)</td>
</tr>
<tr>
<td>L</td>
<td>5th Wheel Clearance Radius</td>
<td>5' 4&quot; (163 cm)</td>
</tr>
<tr>
<td>M</td>
<td>5th Wheel Height</td>
<td>3' 0&quot; (112 cm)</td>
</tr>
</tbody>
</table>

**Weights**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Machine Weight</td>
<td>62,000 lbs (28,123 kg)</td>
</tr>
<tr>
<td>Tri-Axle Weight</td>
<td>35,820 lbs (16,248 kg)</td>
</tr>
</tbody>
</table>

**Powertrain**

- Engine: Caterpillar C15 Tier IV, 580 hp (433 kW)
- Caterpillar C18 Tier IV, 755 hp (563 kW)
- Caterpillar C15 Tier III, 580 hp (433 kW)
- Caterpillar C18 Tier II, 765 hp (570 kW)
- Clutch: PT Tech HPTO
- Fuel Tank Capacity: 285 US gal (1079 L)
- Main Hydraulic Tank Capacity: 90 US gal (340 L)

**Suspension & Towing**

- Stabilizers: 2 hydraulic
- Tires: 295/75R22.5 or 445/50R22.5

**System Controls**

- Peterson Adaptive Control System
- Radio Remote
- Peterson+ Analytics

**Feed System**

- Hopper Capacity: 6.5 yd³ (5 m³)
- Feed Chain: 4 sections, full hopper width
- Feed Conveyor Width: 4' 10" (147 cm)
- Feed Opening (width x height): 60" x 32" (153 x 81 cm)
- Land Clearing Mode: 60" x 44" (153 x 112 cm)
- Compression Roll diameter (tip to tip): 28" (71 cm)

**Rotor**

- Rotor Speed: 10,000 fpm (3050 mpm) @ 2100 rpm (engine)
- Drum Rotor Shaft Size: 5" (130 mm) @ bearing, 5.75" (146 mm) @ center
- Rotor Width: 60" (152 cm)
- Rotor Diameter: 32" (81 cm)
- Bit Size (width x height): 2.75" x 5" (70 x 127 mm)
- Number of Bits: 20 drum rotor, 18 pinned rotor, 30 ASG Rotor

**Grates**

- Number of Grate Sections: 4
- Total Grate Area: 5 ft² (1.95 m²)
- Grate Coverage: 180º
- Grate Thickness: 1" (25 mm)

**Discharge System**

- Discharge Conveyor Width: 48" (122 cm)
- Discharge Conveyor Height: 15' 2" (462 cm)
- Conveyor Speed: 500, 600, or 700 fpm (152, 183, or 213 mpm)

**Production**

- Engine
  - Greenwaste: 264 yd³ (201 m³)
  - Scrap Board: 323 yd³ (247 m³)
- Caterpillar C15: 77 tons (70 tonnes)
- Caterpillar C18: 368 yd³ (281 m³)
- 87.5 tons (79 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.

**Optional Equipment**

- Feed Chain Return Pan
- Feed Tailgate
- Grate Hangers
- Magnetic Head Pulley
- Crossbelt Magnet
- Scrap Metal Collection Box
- Cold Weather Kit
- LED Work Lights

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

PETERSON 2700 SERIES GRINDER

PETEBERSON an Astec Industries Company

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