The 2750C electric horizontal grinder is ideal for operations that can take advantage of stationary or semi-stationary operations.

**2750C Electric Horizontal Grinder**

A flexible and energy saving solution for stationary or semi-stationary operations.

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**The Siemens PLC Control System**

Easily monitor system performance. The fully integrated, industrial grade Siemens PLC interface is user-friendly and customizable to your application.

**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.

**Maximum Power With A High Torque Electric Motors**

The 2750B’s industrial grade electric motors have a rugged cast-iron frame and a dynamically balanced die-cast aluminum rotor for durability and long wear.

**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.

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**The 2750C electric horizontal grinder is ideal for operations that can take advantage of stationary or semi-stationary operations.**

Powered by a single 400, 500, or dual 300 horsepower (300, 375, or 450 kW) electric motors, the Peterson 2750C has plenty of power. Since electric power costs are typically much lower than diesel fuel costs, electric power may just be the answer for increasing your profits.

With a feed opening of 60¾ x 32 inches (154 x 81 cm) combined with Peterson’s high lift feed roll for an optional opening up to 44 inches (112 cm) high, the 2750C can reduce a diverse range of raw materials.

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Our quick-change multiple grate system makes it easy to customize grate configurations to produce a wide variety of finished materials.

Uncertain about your power source requirements? Our experienced engineers can evaluate your operations. Peterson offers a choice of soft-start or Variable Frequency Drives (VFDs) for the best integration with your electrical power source.

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

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The 2750C features a drum (left photo) or pinned (right photo) rotor.
**2750C Specifications**

**Dimensions**
- **A** Operating Length: 52’-6” (16 m)
- **B** Operating Height: 16’-9” (511 cm)
- **C** Travel Length: 39’-11” (1217 cm)
- **D** Travel Height: 11’-6” (191 cm)
- **E** Operating/Travel Width: 9’-1” (277 cm)
- **F** Feed Conveyor Width: 4’-10” (147 cm)
- **G** Hopper Length: 15’-7” (475 cm)
- **H** Hopper Height: 6’-3” (272 cm)
- **I** Front to 5th Wheel: 5’-11” (180 cm)
- **J** 5th Wheel to Center Axle: 26’-7” (810 cm)
- **K** Axle Spacing: 9’-1” (277 cm)
- **L** 5th Wheel Clearance Radius: 3’-8” (124 cm)
- **M** Operating 5th Wheel Height: 3’-8” (124 cm)

**Weights**
- Machine Weight*: Approx. 54,000 lbs (24,500 kg)
- Tandem Weight*: Approx. 33,000 lbs (14,970 kg)
*depending on configuration

**Powertrain**
- Electric Power
- USA-460 volt, 60Hz, 3-phase electric
- Europe-400 volt, 50Hz, 3-phase electric
- Canada-575 volt, 60Hz, 3-phase electric
- Rotor Drive Motors:
  - Crusher duty, 400 hp (300 kW)
  - Crusher duty, 500 hp (375 kW)
  - Crusher duty, 600 hp (450 kW)
- Auxilary Motor (for hydraulic functions): High efficiency 100 hp (75 kW)
- Hydraulic Tank Capacity: 100 US gal (379 L)

**Feed System**
- Hopper Capacity: 8.5 yd³ (6.5 m³)
- Feed Chain: 4 sections, full hopper width
- Feed Opening (width x height): 60’’ x 32’’ (153 x 81 cm)

**Rotor**
- Shaft Size: 4¾” (113 mm) @ bearing, 5½” (146 mm) @ center
- Speed: 10,362 fpm (3158 mpm) @ 2100 rpm (engine)
- Width: 59¼” (152 cm)
- Diameter: 32’” (81 cm)
- Bit Size (width x height): 2¼ 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: 3024 in² (19 509 cm²)
- Coverage: 180 degrees
- Thickness: 1” (25 mm)

**Discharge System**
- Discharge Conveyor Width: 48” (122 cm)
- Speed: 500, 600, or 700 fpm (152, 183, or 213 mpm)

**Optional Equipment**
- Feed Chain Return Pan, Magnetic Cross Belt Conveyor, Scrap Metal Collection Box (requires cross belt magnet), Feed Tailgate, Feed Tail Boot, Hopper Height Extension

**Production (with one 600 hp motor)**
- Greenwaste: 264 yd³/77 US tons (201 m³/70 metric tons) per hour
- Scrap Board: 323 yd³/55 US tons (247 m³/50 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.

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**PETESON 2700 SERIES GRINDERS**

PETESON an Astec Industries Company
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Scan with your smartphone to see a video of the 2750C.