

5710C Grinder



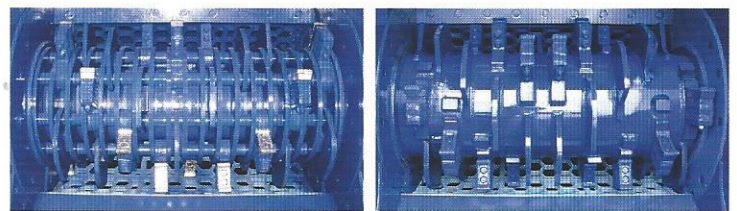
Powered by the Caterpillar C27 or C32 engine, the 5710C provides the highest power to weight ratio of any Peterson grinder. At 86,000 pounds (39000 kg) the 5710C was designed for operations requiring high production and frequent moves between jobs. With a feed opening of 60 x 40 inches (152 x 102 cm) combined with Peterson's high lift feed roll, the 5710C can readily reduce a wide range of material including stumps.

The 5710C utilizes Peterson's new generation Impact Release System that can be set in the detent mode to provide consistent product sizing or switched to the floating anvil mode for a primary reduction where accurate sizing is less critical. The floating anvil mode provides a high production primary reduction with more protection from contaminated feedstocks and reduced fuel consumption.

The 5710C's new generation of controls includes Peterson's high production Adaptive Control System and a fully adjustable feed system that can be optimized for a wide range of materials. The new control panel provides self-diagnostics for faulty sensors and open circuits. Fault indicators make trouble shooting easy. The 5710C control panel features a large LCD display that provides the operator with the information needed to efficiently operate the unit. System pressure transducers and remote monitoring capability simplify set up and provide complete engine and system parameters.

The 5710C features a large grate area that enables the 5710C to produce materials to exact specifications. Our

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 of the 5710C.



The 5710C is available with either a pinned or drum rotor

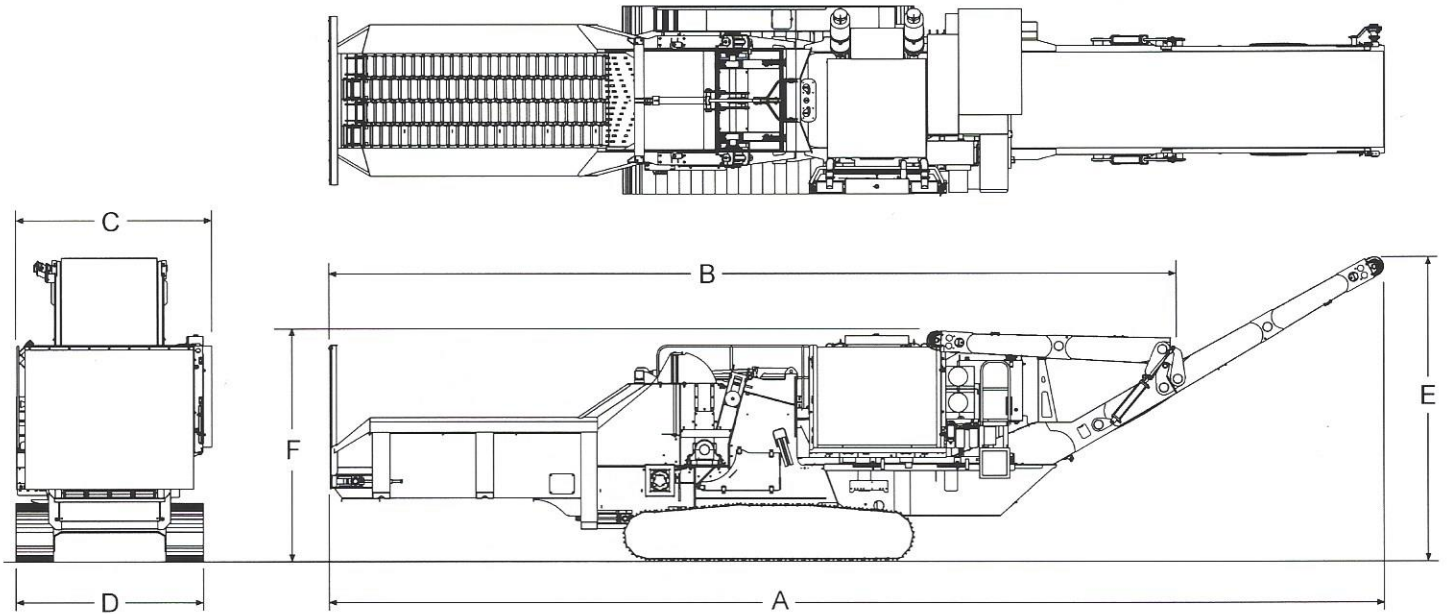
Another major innovation included on the 5710C is Peterson's Impact Cushion System. Urethane cushions allow movement of the compression roll/anvil housing pivot shaft, cushioning impacts due to contaminants in the feed material. Shear pins above the cushion and a sensing circuit that stop the engine help protect the shaft from catastrophic damage in the event of a severe impact.

Peterson specializes in developing delivery and processing equipment that turns low-grade organic materials into high value products.



Peterson
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5710C Horizontal Grinder Specifications



Dimensions

A – Operating Length	54'-6" (1661 cm)
B – Travel Length	44'-4" (1351 cm)
C – Operating Width	10'-4 1/4" (316 cm)
D – Travel Width	9'-10" (300 cm)
E – Operating Height	15'-10" (483 cm)
F – Travel Height	12' (366 cm)
Weight	approx. 86,000 lbs (39000 kg), depending on configuration

Tracks

Ground Clearance	18" (457mm)
Track Type	Triple Grouser, 23.6 in (60 cm) wide
Ground Pressure	12.1 lbs/in ² (0.85 kg/cm ²)

Powertrain

Engine	Caterpillar C27 or C32 Tier II
Horsepower	C27 @ 950 hp (783 kW), 1050 hp (783 kW), or C32 @ 950 hp (708 kW)
Clutch	PT Tech HPT015FX
Fuel Tank Capacity	330 U.S. gal (1,249 L)
Main Hydraulic Tank Capacity	70 U.S. gal (265 L)

Feed System

Total Hopper Capacity	7.4 yd ³ (5.66 m ³)
Hopper Width	60" (152 cm)
Hopper Length	14'-2 1/2" (433 cm)
Feed Chain	4 sections, full hopper width
Hopper Loading Height	7'-5 3/4" (228 cm)
Feed Opening (width x height)	60 x 40" (152 x 102 cm)
Optional Feed Opening Height	55" (140 cm)
Compression Roll Diameter (tip to tip)	36" (91.4 cm)

Rotor

Rotor Shaft Size	73/8" (187 cm)
Rotor Diameter	40" (102 cm)
Rotor Width	63 1/2" (161 cm)
Bit Size (width x height)	3" X 6 1/2" (7.6 cm X 16.5 cm)
Rotor Speed	950 rpm @ 2100 rpm (engine)
Number of Bits	20 Drum Rotor, 18 Pinned Rotor

Grate Data

Number of Grate Sections	4
Total Grate Area	4060 in ² (26193 cm ²)
Grate Coverage	182 degrees
Grate Thickness	1 1/4" (3.18 cm)

Discharge System

Discharge Conveyor Width	60" (152 cm)
Conveyor Speed	600, 650, or 700 ft/min (183, 198, or 213 m/min)

Standard Equipment

Air Compressor

Optional Equipment

Magnetic Pulley
Feed Chain Return Pan
Magnetic Cross Belt Conveyor

Production – C27 1050hp

Greenwaste	501 yd ³ / 138 US tons (383 m ³ / 125 metric tons) per hour
Scrap Board	591 yd ³ / 90 US tons (452 m ³ / 82 metric tons) per hour
(Actual output may vary due to moisture content, material density, material size, support equipment, and grate size.)	

Specifications subject to change without notice.

Scan with your smartphone to see video of the 5710C



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