

Vermeer®

Whole Tree Chipper

WC2300



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Innovation Meets Performance

As the push toward alternative fuels accelerates, governments and industries are recognizing the advantages of using wood chips as a source for power generation. With the WC2300 whole-tree chipper, Vermeer offers customers a powerful, whole-tree solution for producing wood chips.

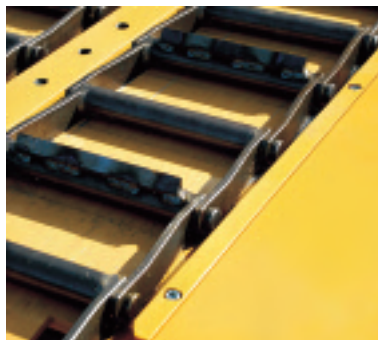
For those in the logging industry, the WC2300 represents an exciting, convenient vehicle for expanding their operations by utilizing all parts of a tree. Even the leftover slash can now be picked up and chipped in the WC2300 to provide another revenue stream.

Powered by a 440-hp (328.1 kW) CAT Tier 3 engine and including the patented SmartFeed feed-sensing control system, the WC2300 is able to chip through material up to 23" (58.4 cm) in diameter. Running material through the WC2300 is easy and efficient, thanks to its variable-speed dual infeed conveyor chains, conveyor head pulley with integral grip bars and aggressive infeed roller with crush capability.

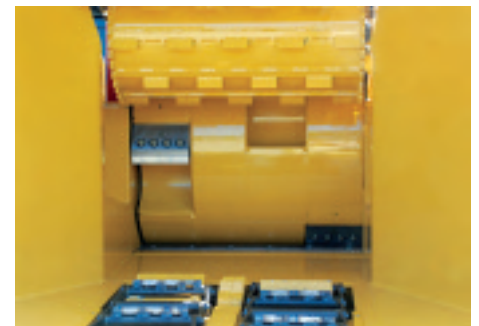
The WC2300 offers outstanding jobsite mobility, thanks to its compact design and its built-in logging skidder grab on the tongue. The grab point and unique park/brake release system allows the skidder operator to move the unit without reattaching a tow vehicle - ideal when working in poor ground conditions.



Infeed system. The WC2300 features an infeed system that includes variable-speed dual infeed conveyor chains, conveyor head pulley with integral grip bars, sloped infeed table and aggressive infeed roller with crush capability. These provide efficient feeding of difficult material types, reducing the number of times an operator has to handle the material.



Replaceable wear components. High-wear material flow areas of the machine, such as the drum, discharge chute, cutter housing and infeed conveyor floor are designed with replaceable bolt-in wear parts to extend machine life.



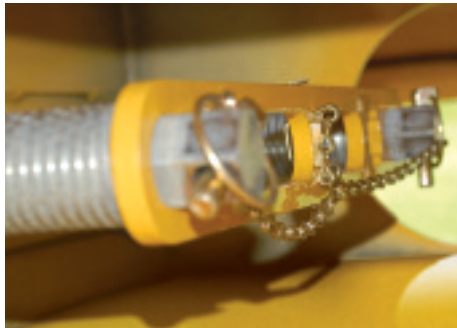
WHOLE TREE CHIPPER



Dual-knife options. The drum and cutter design provides two different depths of cut, 3/8" (.8 cm) and 5/8" (1.6 cm). This allows one machine to provide different end products to meet customers' needs.



Compact design. The WC2300 has a compact design, which makes it more maneuverable and easy to position on jobsites.



Chain tensioning system.
The WC2300 infeed conveyor features individually tensioned chains to accommodate unequal chain wear, allowing single-chain replacement.



Remote control. The convenient remote control enables a user to operate the WC2300 from another location, such as the cab of a different machine. The remote control also provides real-time machine performance data to aid the operator in maximizing productivity by monitoring and adjusting settings.



Ecolde™. When the Ecolde function is selected, the engine speed automatically lowers to 1400 rpm after 30 seconds of inactivity to help reduce fuel consumption when not chipping material.



The 3-year / 3,000-hour extended limited warranty on drum housing, cutter drum, shaft and ring feeder hubs offers you peace of mind, in addition to the 1-year / 1,000-hour Vermeer equipment limited warranty.

WC2300 Specifications

General

Weight: 32,000 lb (14,515 kg)
Tongue Weight: 6400 lb (2903 kg)
Maximum length (Transport): 29.8' (9.1 m)
Maximum width (Transport): 8.2' (2.5 m)
Maximum height (Transport): 10.9' (3.3 m)
Sound Power: 119 db(A)

Engine Options

Make/Model: Tier 3 CAT C-13
Horsepower: 440 hp (328.1 kW)
Max torque: 1483 ft-lb (2010.7 Nm)
Fuel type: Diesel
Number of cylinders: 6
Cooling medium: Liquid
Clutch type: PT Tech HPTO dry-clutch

Electrical

System voltage: 24 V DC

Capacities

Fuel tank: 150 gal (567.8 L)
Hydraulic tank: 42 gal (159 L)

Chassis

Frame: 10" x 4" x .38" (25.4 cm x 10.2 cm x 1 cm)
Tires (standard): 385/65R22.5 super single
Tires (optional): 11R24.5 duals
Axle/Suspension: Dual axle with leaf springs
Tongue: Fixed with skidder grab
Skidder grab: 30" (76.2 cm) wide
Brake type: Air

Cutting System

Drum support: Pillow block bearings
Drum speed: 1169 rpm
Drum width: 34" (86.4 cm)
Drum diameter: 36" (91.4 cm)
Knives: 8 knives, 8.5" (21.6 cm)
Knife types: Double-edged or babbitted single-edge
Replaceable counter knife thickness: 3/8" (.8 cm) or 5/8" (1.6 cm)

Feed/Discharge System

Chipping capacity: 23" (58.4 cm)
Feed table width: 8.2' (2.5 m)
Feed table length: 10' (3 m)
Feed table slope: 6 degrees
Feed roller width: 34" (86.4 cm)
Feed roller diameter: 19" (48.3 cm)
Feed roller opening height: 25" (63.5 cm)
Feed roller speed: 28 fpm (91.9 m/min)
Discharge height: 11' (3.4 m)
Discharge chute rotation:
Up deflector angle: 14°
Down deflector angle: 22°
Side deflector angle: +/- 14°
Feed conveyor type: Drag chain

Options

Special paint
Extended warranty
Artic package
Air compressor
Working lights

For a complete list of specifications, please visit vermeer.com.



SmartCrush. The machine monitors the position of the infeed roller. Down pressure is off until the feed roller has climbed up onto the material, then increases to crush difficult material with forks or large limbs to the cutter drum. With material securely gripped by the infeed system, the operator can release the grapple and concentrate on the next load of material.



Sloped infeed table. A six-degree sloped infeed table lowers the "break-over" point where long material first contacts the machine. This provides smooth flow of long material from the ground up onto the infeed table and reduces the likelihood of limbs or tree canopy from snagging on the end of the machine.

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With nearly 200 locations across the globe - you're never far from an independent, authorized Vermeer dealer. Our dealers are in place to support your success with product expertise that's second to none.



When you need service, you can count on your local Vermeer dealer. With multiple locations, remote service trucks, and factory-offered technician training, your local Vermeer dealer offers reliable service that keeps your equipment running.



Vermeer parts are designed and manufactured to original specifications, so whether they're new parts or replacement parts, they'll live up to the Vermeer name.



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Building Industry Alliances to Serve You Better.

Vermeer has forged strong strategic alliances with tree-industry giants that include Sherrill Incorporated and ArborMaster Training. These alliances ensure that top-quality industry support is the standard at Vermeer dealerships. Membership with the NAA and ISA helps Vermeer stay in touch with the customers it serves and the issues they face.



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