

Comfortable work environment, operating efficiencies among updates to Cat[®] cold planers

- Operator station updates include telescoping center console displays, cushioned arm and hip rests, anti-fatigue floor mats, additional operator console adjustments, and multiple seat options
- Various performance and operation enhancements
- Productivity features of VisionLink[®] now available to help contractors measure, monitor and manage their equipment

ST. LOUIS, March 25, 2025 – Offering milling widths from 79.1 to 98.6 in (2010 to 2505 mm), the Cat[®] PM600 and PM800 cold planer series deliver high-production and efficient performance with the milling precision contractors need to stay competitive. As part of Caterpillar’s annual product update program, the latest PM620, PM622, PM820, PM822 and PM825 models provide multiple operator comfort, efficiency and equipment management upgrades compared to their previous models.

“These most recent updates to our PM600 and PM800 cold planers are a result of direct feedback provided from our customers,” says Jameson Smieja, senior sales support consultant for Cat cold planers. “We’ve made numerous upgrades to lower operator fatigue and made the machines easier to use. We’ve also added remote diagnostics and software update capabilities to help improve machine uptime. Plus, we’re excited to release VisionLink[®] to this series of cold planers, which helps customers better manage their fleet and improve machine utilization.”

Comfortable work environment

The operator’s workstation is designed for all-day comfort with adjustable consoles, large, cushioned arm rests, hip rests, and optional anti-fatigue floor mats. The center console displays now telescope to bring the touchscreens within easy reach of the operator. Additionally, the displays fold for secure and convenient storage. Available as an option, an adjustable operator control console slides sideways and rotates to further help boost efficiency and reduce fatigue.

A new pedestal seat option allows operators to rest their legs and feet while running the machine. It is designed to quickly and easily retract out of the way when not in use.

The updated machines feature a ladder and gate design that offers unimpeded ascent/descent from the operator platform, and the updated retractable right-side handrail helps to further simplify maneuverability

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Product Update

around obstacles. To enhance the operator's sight lines to the front tracks, the new design incorporates flush-mounted front ground control panels.

Efficient operation

Engineered to maximize torque transfer, the PM600 and PM800 series rotor drive system features a heavy-duty dry clutch, automatic belt tensioning system and two high-tensile belts to drive the rotor. A redesigned anti-slab plow delivers improved operation and reduced wear compared to the previous design. Additionally, design upgrades to the anti-slab-to-conveyor sealing help to contain more material to improve milling efficiency and reduce cleanup.

The cold planers' ground displays now feature a robust mounting system that also enables the ground crew to change mounting locations and store the displays without removing any clamps or electrical connectors. Two rear keypads include controls for leg height, water spray, side plates, moldboard, rear door and steering, while the flush-mount front keypads offer controls for the conveyor, side plates, anti-slab, high pressure washdown, water spray, inboard ski and fuel fill pump.

Available as part of the optional enhanced lighting package, the addition of high-visibility, color LED lightbars replace traditional water level tubes and floats, helping crews easily identify water tank levels day or night and from much farther distances. The touchscreen displays automatically change to night mode when working lights are activated to help improve visibility.

Uptime enhancers

The PM600 and PM800 cold planers series now come standard with Cat Remote Services technology to help improve machine diagnostics and operating efficiency when within cell range coverage. Remote Troubleshoot allows the Cat dealer to perform diagnostic testing on the connected machine, enabling the technician to pinpoint issues while the mill is operating, so they arrive with the correct parts and tools the first time. Remote Flash enables contractors to update onboard software without the need for a technician, so updates can be initiated at a convenient time without interrupting production.

Optional productivity features of VisionLink®, now available with a VisionLink PerformancePro subscription, help contractors measure, monitor and manage the cold planers to maximize productivity on or off the jobsite. Critical, actionable machine operating data, such as wait time for trucks, time spent cutting and maneuvering around the jobsite, as well as distances cut, fuel burned, and detailed cycle location mapping, is transmitted from the jobsite to the VisionLink web platform for users to access anywhere an internet connection is available.

The Cat Inspect mobile application tool enables operators and technicians to quickly perform digital preventative maintenance checks, inspections and daily walkarounds.

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A century of innovations

Caterpillar began manufacturing cold planers in 1992 with the introduction of the PM-565, which boasted features such as non-contact grade sensors, microprocessor control for propel response and self-diagnostic computer monitoring. Today, Caterpillar manufactures eight cold planer models in Minerbio, Italy.

More information on the design upgrades for Cat PM600 and PM800 cold planer models can be found by contacting a Cat dealer or visiting [cat.com](https://www.cat.com).

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COLD PLANER SPECIFICATIONS

Model	PM620	PM622	PM820	PM822	PM825
Engine	Cat® C18	Cat® C18	Cat® C18 twin-turbo	Cat® C18 twin-turbo	Cat® C18 twin-turbo
Emissions, Highly Regulated Countries (HRC)	U.S. EPA Tier 4 Final, EU Stage V, Korea Stage V	U.S. EPA Tier 4 Final, EU Stage V, Korea Stage V	U.S. EPA Tier 4 Final, EU Stage V	U.S. EPA Tier 4 Final, EU Stage V	U.S. EPA Tier 4 Final, EU Stage V
Emissions, Lower Regulated Countries (LRC)	Brazil MAR-1, equivalent to U.S. EPA Tier 3 and EU Stage IIIA	Brazil MAR-1, equivalent to U.S. EPA Tier 3 and EU Stage IIIA	U.S. EPA Tier 2, EU Stage II equivalent	U.S. EPA Tier 2, EU Stage II equivalent	U.S. EPA Tier 2, EU Stage II equivalent
Gross Power (SAE J1995), HRC	474 Kw (636 hp)	474 kW (636 hp)	601 kW (806 hp)	601 kW (806 hp)	601 kW (806 hp)
Gross Power (SAE J1995), LRC	470 kW (630 hp)	470 kW (630 hp)	576 kW (772.4 hp)	576 kW (772.4 hp)	576 kW (772.4 hp)
Engine Power (ISO 14396), HRC	469 kW (629 hp)	469 kW (629 hp)	595 kW (798 hp)	595 kW (798 hp)	595 kW (798 hp)
Engine Power (ISO 14396), LRC	464 kW (622 hp)	464 kW (622 hp)	569 kW (763 hp)	569 kW (763 hp)	569 kW (763 hp)
Operating Weight, HRC	31 559 kg (69,575 lb)	32 035 kg (70,626 lb)	34 088 kg (75,152 lb)	34 565 kg (76,202 lb)	35 175 kg (77,548 lb)
Operating Weight, LRC	30 815 kg (67,936 lb)	31 291 kg (68,985 lb)	33 504 kg (73,864 lb)	33 980 kg (74,914 lb)	34 950 kg (76,258 lb)
Transport Weight, HRC	30 330 kg (66,865 lb)	30 806 kg (67,916 lb)	32 859 kg (72,442 lb)	33 336 kg (73,493 lb)	33 946 kg (74,838 lb)
Transport Weight, LRC	29 586 kg (65,226 lb)	30 062 kg (66,275 lb)	32 275 kg (71,154 lb)	32 751 kg (72,204 lb)	33 361 kg (73,548 lb)
Cutting Width	2010 mm (79.1 in)	2235 mm (88.0 in)	2010 mm (79.1 in)	2235 mm (88.0 in)	2505 mm (98.6 in)
Cutting Depth	330 mm (13 in)	330 mm (13 in)	330 mm (13 in)	330 mm (13 in)	330 mm (13 in)
Overall Length (conveyor raised)	14.52 m (47.64 ft)	14.52 m (47.64 ft)	14.52 m (47.64 ft)	14.52 m (47.64 ft)	14.52 m (47.64 ft)
Maximum Machine Width	3.11 m (10.20 ft)	3.11 m (10.20 ft)	3.11 m (10.20 ft)	3.11 m (10.20 ft)	3.11 m (10.20 ft)
Maximum Height (conveyor raised)	5.23 m (17.16 ft)	5.23 m (17.16 ft)	5.23 m (17.16 ft)	5.23 m (17.16 ft)	5.23 m (17.16 ft)

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New Product Introduction

NOTE TO EDITORS

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