Wirtgen is travelling to Las Vegas with a market-première and numerous innovations

New large milling machine with a grinding shaft for precise surface evenness

From 3 to 7 March 2026, the Wirtgen experts will be attending this year’s CONEXPO in Las Vegas with a specially selected range of the latest innovations and exhibits. In addition to the large milling machine W 210 XF and the cold recycler WR 250 X, the brand will also be exhibiting the slipform paver SP 33. The focus of the appearance will be on efficient solutions for road construction and materials mining.

As of now, the W 210 XF is also available with Precision Grinding

Market première of the new large milling machine W 210 XF: With an engine power output of 580 kW (778 HP) and milling widths between 2.0 m (6 ft. 7 in.) and 2.5 m (8 ft. 2 in.), this machine is ideally equipped for a wide range of applications and high daily productivity. Its DUAL SHIFT powershift transmission enables the realisation of a wide range of milling drum speeds. The lower range of milling drum speeds enables significant reductions of fuel consumption, pick wear and noise emissions. At CONEXPO, Wirtgen will, however, be showing the large milling machine with a brand new option: Thanks to its broad spectrum of applications and grinding profiles, Wirtgen Precision Grinding (WPG) delivers highest surface quality on a variety of different road pavements. The key component of Precision Grinding is a newly developed grinding shaft which grinds the surface with more than 300 diamond grinding disks on the rapidly rotating WPG shaft to achieve a particularly high degree of evenness. The theoretical grinding depth is 0 - 50 mm and the grinding width is 1,875 mm. A wide range of profiles can be created with combinations from the large selection of grinding discs available – for instance, to improve water run-off from road surfaces. A powerful suction extraction system, the slurry evacuator, completely removes the grinding slurry from the grinding aggregate and leaves a completely cleaned surface. The mature Level Pro Active grade and slope control system ensures precisely ground surfaces and significantly improves evenness, cross slope and roughness characteristics. Wirtgen Precision Grinding can be used for the grinding of asphalt, cobblestone and concrete pavements. Aside from the improved evenness and grip characteristics, the original properties of the surface materials remain unchanged.

**With the WR 250 X, Wirtgen presents the next generation of wheeled cold recyclers and stabilisers**

Wirtgen will be showing the new WR 250 X for cold recycling and stabilisation applications.. This machine strikes an ideal balance between machine performance and weight that assures high daily productivity. The focus in the development of these machines was set on enabling easy and ergonomic operating, high performance and outstanding mixing quality. The achievement of this involved a comprehensive revision of both the operating concept and the design of the operator’s cabin itself. A new multi-function joystick, fingertip control and height adjustment with the multi-function armrest contribute to the ergonomics of the operating concept. In addition to digital process monitoring, the large machine control panel display offers a variety of automated functions, application-relevant displays and the Wirtgen Group CoPilot. The CoPilot also offers interactive tutorials and a self-training function with animations for familiarisation with the machine and its functions displayed directly on the machine’s control panel. The field-proven Duraforce milling and mixing rotor guarantees consistently high milling and mixing performance. Digital components such as MIX ASSIST and Wirtgen Group CoPilot significantly increase efficiency while simultaneously lowering the operating costs per square metre. Wirtgen Group Performance Tracker Stabilising, in short, WPT Stabilising, generates seamless project documentation. It records all relevant, location-specific construction site parameters and documents them in a detailed field report.

The machines are the ideal choice for an enormous range of applications from cold recycling to the stabilisation of a broad spectrum of construction materials. The intuitive Human-Machine Interface (HMI) offers comprehensive assistance and interactive digital guidance for the improvement of mixing quality and productivity.

**The SP 33 for concrete paving in offset and Crosspave modes**

With the compact SP 33, Wirtgen is presenting its latest slipform paver for the production of monolithic concrete profiles at CONEXPO. Thanks to its modular construction concept and a wide range of setting options, the machine can be configured for use in almost all situations encountered on construction sites. In offset mode, it can pave kerb and gutter profiles, rectangular profiles and concrete barriers up to a height of 1.3 m (52 in.) as well as sewer and drainage channel profiles. Concrete slabs with a paving width of up to 2.2 m (7 ft.) can also be realised without any problems, also in combination with a 2.4 m (8 ft.) wide Trimmer.

In Crosspave mode, the track units are turned through 90° and the machine then paves transverse to the direction of travel. The slipform mould is centrally mounted under the machine, enabling the paving of concrete slabs with a width of up to 3.0 m (10 ft.). The quick and easy conversion from one paving mode to the other makes the machine extremely versatile. The new operating concept with an event-driven graphic display assists operators in their work with both paving options. The ECO mode detects the current paving situation without the need for manual intervention by the operator and ensures automatic, load-optimised regulation of engine power output for low fuel consumption and low emissions. Two crawler units with parallelogram swing legs at the front and a laterally adjustable single crawler unit at the rear enable zero-clearance paving and maximum flexibility.

The AutoPilot 2.0 stringless machine control system is also usable with the SP 33. This completely eliminates the need for control by a physical stringline, which leads to considerable savings in terms of time and effort and increases the safety of the personnel on the construction site. The system controls both the height adjustment and steering of the machine. AutoPilot 2.0 Also enables fast and precise paving of tight radii and complex geometries.

Photos:

  
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Wirtgen is showing the large milling machine W 210 XF with Precision Grinding at CONEXPO. It delivers highest surface quality for a wide range of different road pavements.

  
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The key component of Precision Grinding is a newly developed grinding shaft that grinds the surface with more than 300 diamond grinding discs on the rapidly rotating WPG shaft to achieve a particularly high degree of evenness.

  
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With the new WR 250 X, Wirtgen offers a machine that strikes an ideal balance between machine performance and weight to assure high daily productivity.

  
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Thanks to its modular construction concept and a wide range of setting options, the slipform paver SP 33 can be configured for use in almost all situations encountered on construction sites.

Please note: The photographs shown here are only previews. If you wish to publish them in other media, please download the higher resolution (300 dpi) versions from the Wirtgen Group websites.

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