Wirtgen will be coming to bauma 2025 with five world premieres

In Munich, Wirtgen will be presenting five world premieres in the cold milling and recycling segments in addition to several innovations in the slipform paving and surface mining categories. At booth FS.1011 at the show, the company will be presenting products including the new large milling machine W 250 XF and the new generation of WR series machines. The focus at the show will be on efficient and sustainable solutions for road construction and the extraction of primary resources by surface mining.

**The ideal cold milling machines for every application and two world premieres**

With a total of 12 cold milling machines, the milling machine specialist will be presenting a broad cross-section of its overall product portfolio. Among the highlights are the world premieres of the battery-electric small milling machine W 50 Re (technology project) and the large milling machine W 250 XF. The company will also be presenting the world’s most powerful milling machine with a version featuring an optional operator’s cabin.

During the development of the W 250 XF, the main focus was set on the realisation of maximum productivity and low specific emissions. The dual engine concept with two 18-litre (1092 in3) John Deere engines delivers a maximum power output of 900 kW (1207 hp). Wirtgen and John Deere have precisely tuned the torque characteristic of the engines to meet the specific requirements of the cold milling process. The machine control system Mill Assist regulates the power output of the two engines according to demand, to ensure the most efficient use of the machine. Automatic mode ensures the most favourable working balance between performance and costs. It also allows the selection of three different working strategies that optimise the process with respect to cost, performance, or quality. The machine on display is also fitted with a comfort cabin that offers the operator a comfortable, low-fatigue workplace and provides effective protection against the weather and noise emissions.

Also new in the product portfolio is the 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. The DUAL SHIFT powershift transmission enables a wide range of selectable milling drum speeds. The lower range of milling drum speeds enables significant reductions of fuel consumption, pick wear and noise emissions. The upper range of milling drum speeds makes it possible to achieve high area performance with a high quality milling pattern, even at the maximum milling depth of 330 mm (13 in).

**World premiere of the next generation of wheeled cold recyclers and soil stabilisers**

For the cold recycling and soil stabilisation sectors, Wirtgen is presenting a range of machines including the three new WR 200|240|250 X models. The focus in the development of these machines was set on ensuring 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 improved 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 provides suggested courses of action during the work process, offers interactive tutorials and a self-training function for familiarisation with the machine, and its functions, with animations displayed directly on the machine’s control panel. The field-proven Duraforce milling and mixing rotor guarantees consistently high milling and mixing performance.

The Rock Crusher WRC 240(i) will be on show alongside the new WR series machines. It crushes coarse rocks and stones, as found in hand packed stone layers and stony ground, in-situ and homogeneously mixes the resulting material in a single pass. With a working width of 2,320 mm (7 ft 7 in) and a working depth of up to 510 mm (20 in), it can achieve cutting, crushing, and mixing rates of up to 600 tons per hour.

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

At this year’s bauma, Wirtgen is showing the compact SP 33 – its newest slipform paver for the construction of monolithic concrete profiles. 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 configuration, it can pave curb and gutter profiles, rectangular profiles, and concrete barriers up to 1.3 m (52 in) in height as well as sewer and gutter profiles. Concrete slabs with a paving width of up to 2.2 m (7 ft) can also be achieved without any problems, also up to a width of 2.4 m (8 ft) in combination with a Trimmer. In Crosspave configuration, the track units are turned by 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 widths 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 output for low fuel consumption and low emissions. Two track units with parallelogram swing legs at the front and a laterally adjustable single track 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 results in considerable savings in terms of time and effort and increases the safety of the personnel employed on the construction site. At the same time, the system precisely 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.

In the inset paving segment, Wirtgen will be showing an SP 94i paver with an integrated dowel bar inserter (DBI) and a texture curing machine TCM 180i. The placement of reinforcement with a DBI increases the degree of automation, improving the efficiency of the overall paving process and the paving quality. The placer/spreader WPS 102i is a useful addition to a paving train when paving concrete with pre-placed steel rebar reinforcement. It is deployed ahead of the slipform paver and enables feeding of material from trucks from the side.

**The Surface Miner 280 SMi – for cost-efficient and safe extraction of primary resources**

In Munich, Wirtgen will be showing the 280 SMi for opencast mining of primary resources. It enables the selective extraction of raw materials by direct loading, side casting, or cut-to-ground. Raw materials are extracted and crushed in situ in its purest quality in a single operation – without drilling and blasting and with minimal environmental impact. The 2,750 mm (9 ft) wide cutting drum unit with a cutting depth of up to 650 mm (26 in) enables high cutting performance with minimum pick wear. The core component of the machine is its centrally-positioned cutting drum. The central-drum concept ensures that the weight of the machine is ideally utilised for the cutting process. The 280 SMi also enables cost-efficient extraction of extremely hard rocks with uniaxial compressive strengths (UCS) of 100 MPa (14,500 psi) such as limestone, gypsum, or anhydrite.

Photos:

  
**W\_pic\_Jobsite\_W210XF\_0002\_HI**

Motorways, major roads and airports: Offering milling widths between 2.0 m (6 ft 7 in) and 2.5 m (8 ft 2 in), the new large milling machine W 210 XF is predestined for the rehabilitation of surface layers, complete pavement removal including fine milling work.



**W\_pic\_pr\_W250XF\_0001**

The Wirtgen W 250 XF offers maximum milling performance and low emissions at milling widths of up to 3.8 m (12 ft 6 in).

  
W\_pic\_pr\_WR240X\_0001

The next generation of the Wirtgen WR series offers an ergonomic operating concept and highest mixing quality.

  
W\_pic\_SP33-Offset\_1024\_00051

The Wirtgen slipform paver SP 33 can pave surfaces with a width of up to 2.2 m (7 ft) in offset mode and up to 3.0 m (10 ft) in Crosspave mode.

  
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The Wirtgen 280 SM(i) is a high performance Surface Miner for selective extraction of primary resources by direct loading, sidecasting or cut-to-ground.

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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