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IMAGE SOURCE: WIRTGEN GROUP

The next generation of the WR series delivers higher mixing performance and quality

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- Wirtgen introduces the next generation of the WR series at Bauma, designed for cold recycling and stabilisation applications.
- The WR series includes models WR 200 X, WR 240 X, and WR 250 X, each offering different performance levels and transportability.

- The machines feature an improved Duraforce milling and mixing rotor for high mixing quality and reduced fuel consumption.
- The new ergonomic operating concept includes a multifunction joystick, fingertip control, and the WIRTGEN GROUP CoPilot for enhanced ease of use.
- Digital solutions like AutoTrac™, MIX ASSIST, and Wirtgen Group Performance Tracker Recycling (WPT Recycling) increase efficiency and productivity.
- The WRC 240 X Rock Crusher and WRS 240 X binding agent spreader are also highlighted, offering high output rates and precise binding agent spreading in challenging terrains.

At Bauma, **Wirtgen** is presenting the latest generation of the WR series, developed by the company especially for cold recycling and stabilisation applications. The machines impress with an optimised operating concept and consistently high productivity and mixing quality. With the new operator's cabin and a revised and improved operating concept, the WR series machines enable the realisation of particularly efficient and cost-effective workflows.

Powerful and extremely efficient machines

The WR series machines are the ideal choice for a variety of application scenarios ranging from cold recycling to the stabilisation of a wide range of construction materials, in processes such as soil stabilisation or consolidation in road construction.

The WR series offers a range of models that fulfil a variety of requirements. For instance, the compact dimensions and low machine weight of the WR 200 X make it particularly easy to transport from place to place. The WR 240 X strikes a perfect balance between machine performance and weight to assure high daily productivity. The WR 250 X is the most powerful machine of the WR series and provides the highest productivity.

All three models offer working widths of up to 2,400 mm. Depending on the model, the engine power output is between 305 and 571 kW. The improved Duraforce milling and mixing rotor enables consistently high mixing quality and productivity under all working conditions and contributes to the minimisation of fuel consumption, CO₂ emissions and wear.

Ergonomic operating concept combined with the WIRTGEN GROUP CoPilot

The most important aspect of the new cold recyclers and stabilisers is their revised and improved operating concept. A new multifunction joystick, fingertip control and ergonomic height adjustment via the multifunction armrest ensure maximum ease of use. In addition to digital process monitoring, the large machine control panel display offers application-relevant displays and the WIRTGEN GROUP CoPilot. This digital assistance system helps machine operators to exploit the full potential of their machine, provides suggested courses of action during the work in progress and offers interactive tutorials.

The operating concept offers interactive recommendations for action and self-training tutorials

The tutorials help operators to familiarise themselves with the machine and its functions. Animations displayed on the machine's control panel quickly enable the operator to exploit the full potential of the machine. Explanations of the steering modes, the functions of the multifunction joystick and transport and safety instructions are also provided. Operators are offered visualised recommendations for action and their effect while interacting directly with the machine. The system guides operators step by step through each scenario, detects their input commands and the machine status and then automatically proceeds to the next process step.

Digital solutions for increased efficiency

In addition, Wirtgen has attached particular importance to increasing overall efficiency with the aid of digital assistance systems and digital process monitoring. The AutoTrac™ steering assistance system steers the machine accurately on the basis of a previously calculated reference strip and a specified overlap of adjacent strips. The Automatic Reverse function enables rapid reversal of the travel direction at the press of a button. With the MIX ASSIST digital assistance system, various automated functions can be individually configured and conveniently initiated simply by pressing a button. It also enables operators to set up and save a sequence of working steps as an automated process for later use when needed. When using this, the system rearranges the camera images displayed to set a focus on the currently relevant working area. This reduces the operator's workload and simultaneously improves machine productivity.

The Wirtgen Group Performance Tracker Recycling, in short WPT Recycling, generates seamless documentation of every project. It records all relevant, location-specific construction site parameters and documents them in a detailed field report.



In this next generation of the WR series Wirtgen relies on a revised and improved operating concept that enables particularly efficient and cost-effective operations.

IMAGE SOURCE: WIRTGEN GROUP

The WRC 240 X achieves output rates of up to 600 tons per hour

In addition to the WR series, Wirtgen is also showing the Rock Crusher WRC 240 X. This machine crushes coarse rocks and stones as found in hard packed stone pavement layers and stony ground and homogeneously mixes the resulting material in a single pass. With a working width of 2,320 mm and a working depth of up to 510 mm, the WRC 240 X can achieve output rates of up to 600 tons per hour.

The heavy-duty crushing and mixing rotor with HT18 toolholders and tools developed especially for the crushing process achieves ideal results in stony ground. The crushing tools have extra-large, extremely impact-resistant carbide cutting edges and holder bases with high-tensile steel wear protection. This

guarantees high utilisation rates and process reliability, even in particularly demanding applications. In addition to crushing rocks and stones with edge-lengths of up to 300 mm and a uniaxial compressive strength of up to 200 MPa, the machine can also add and mix water and binding agents into the crushed material during the same pass, e.g. to produce base layers.



With a working width of 2,320 mm and a working depth of up to 510 mm, the WRC 240 X can achieve output rates of up to 600 tons per hour.

IMAGE SOURCE: WIRTGEN GROUP

The WRS 240 X can spread binding agents in challenging terrain

The operator's platform of the WR 240 X has been chosen for the new WRS 240 X model and a binding agent spreading unit with a container capacity of 5.5 m³ has been integrated in the machine for dust-reduced spreading of binding agents such as lime or cement. The WRS 240 X is particularly suitable for deployment

on motorways, industrial estates and in nature reserves with strict emission regulations and also offers outstanding all-terrain mobility. Thanks to this, binding agents can be spread reliably and precisely, especially on soils with poor load-bearing properties in challenging terrain. The WRS 240 X offers the further option of pushing a binding agent silo ahead of the machine. The binding agent silo can be kept permanently filled on load bearing ground.



The binding agent spreading unit integrated in the WRS 240 X has a container capacity of 5.5 m³ and offers dust-reduced spreading of binding agents such as lime or cement.

IMAGE SOURCE: WIRTGEN GROUP

The WR series will be available around the world from summer 2025

With the new WR series models, Wirtgen offers cutting-edge technology for all cold recycling and stabilisation applications. The combination of an innovative operating concept, high performance and digital assistance

systems guarantees easy handling, highest mixing quality, and low operating costs.

Source: WIRTGEN GROUP

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