Wirtgen | Maximum performance and productivity with the large milling machine W 250 XF

World première of the most powerful cold milling machine at Bauma

**With the new W 250 XF, Wirtgen presents a machine that impresses with high milling performance and simultaneously low specific emissions. It is now available in the USA, Australia, Europe, Japan and Taiwan.**

**Its dual-engine drive system is controlled by MILL ASSIST to ensure maximum performance**

The engine power output of the new large milling machine has been increased by more than 20% compared to its predecessor. The ACTIVE DUAL POWER dual-engine drive makes the milling machine even more powerful and versatile in use. The two 18-litre John Deere engines can deliver a combined peak power output of 900 kW. Wirtgen and John Deere worked in close collaboration on the fine tuning of the torque characteristic of the engines to meet the specific needs of the cold milling process. Both diesel engines already deliver high torque at low engine speeds. The improved torque characteristic guarantees lower fuel consumption and fast, productive work, even at the machine’s maximum milling depth.

The integrated MILL ASSIST machine control system regulates the power output of the two engines according to demand to ensure the most efficient use of the machine. In automatic mode, it consistently ensures the most favourable working balance between performance and costs. It also allows the selection of three different working strategies that optimise the process in respect of costs, performance or quality. The W 250 XF demonstrates its full potential especially in ‘performance-optimised’ mode. There is a choice of three different engine power combination modes that can be selected to meet the requirements of specific milling tasks. For instance, only one engine is used when removing concrete or brittle materials. When the task requires the removal of a surface layer and high surface quality, the second engine cuts in and operates in the part load range. In combination mode 3, both engines operate synchronously and deliver the peak combined power output of 900 kW. As both engines typically run within the low speed range, their fuel consumption is correspondingly low. The large milling machine impresses with high daily output rates in applications on motorways, arterial roads, airports, and other major construction projects.

**The large milling machine offers milling widths of up to 3.8 metres**

Flexibility is one of the most critical requirements in day-to-day operations on construction sites. The milling drum of the W 250 XF can be exchanged for a Multiple Cutting System (MCS) milling drum within just a few minutes. The ability to rapidly change to application-specific milling drums with different tool spacings considerably increases machine productivity. At the same time, the choice of the ideal milling drum for a specific application also reduces wear-related costs. Wirtgen offers a range of milling drums for the W 250 XF that meet the requirements of any milling application. Exchanging the milling drum assembly enables the realisation of milling widths from 2.2 m to 3.8 m. With the aid of the quick-change system, the entire milling drum assembly can be changed in less than one hour.

**Digital Solutions – MILL ASSIST and WPT Milling**

In addition to machine control with MILL ASSIST, the automated documentation of milling tasks with Wirtgen Group Performance Tracker Milling, or WPT Milling for short, also plays a major role. Maximum efficiency is achieved by the combination of these two digital solutions. The operator is kept constantly informed about the current machine and job parameters, and when the work has been completed, the data is transmitted to the machine owner, who can then use it for fast and precise invoicing. In addition to displaying construction site and machine data, the automated documentation also shows the CO₂ emissions for the entire construction site. The John Deere Operations CenterTM presents all information in real time.

**Precise Levelling with LEVEL PRO**

The LEVEL PRO ACTIVE levelling system was developed by Wirtgen specifically for cold milling machines. Clearly readable control panels provide information and measured values from all currently connected sensors and ease the machine operator’s workload. The system is fully integrated in the control system of the cold milling machines and, as essential machine functions are directly interconnected, provides a high level of automation. The system also offers numerous automatic and additional functions that make the machine operator’s job easier, for instance, automatic lifting for driving over manhole covers.

**More comfort and safety for the machine operator**

In Munich, Wirtgen is showing the W 250 XF with a fully enclosed comfort cabin. The comfort cabin is constructed as a positive pressure system in which the air is cleaned by a filter system and the temperature is controlled by an automatic air conditioning and heating system. It provides protection not only against noise emissions, but also against weather conditions such as wind, rain, sun, heat and cold, and prevents dirt, dust and hazardous substances getting into the cabin. All in all, a comfortable workspace that takes very good care of the machine operator’s health and physical wellbeing.

Photos:

   
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With the W 250 XF, Wirtgen presents a world premiere in the field of large milling machines. Its dual-engine concept takes it straight to the top of the power and performance league.

  
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With the Multiple Cutting System (MCS), Wirtgen offers a wide range of different milling drums with a variety of tool spacings for the W 250 XF for every application.

  
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The MILL ASSIST machine control system regulates the power output of the two engines of the Wirtgen large milling machine according to demand to ensure the most efficient use of the machine.

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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