Wirtgen | The W 210 XF – innovative technology for maximum milling performance

Ideally equipped for challenging milling tasks

**The new large milling machine W 210 XF has been available and working on construction sites since January 2025. It is now also available in the USA, Europe, Australia, Japan and Taiwan. The large milling machine from Wirtgen can handle a broad spectrum of applications, ranging from surface layer rehabilitation and full-depth pavement removal to fine milling.**

Thanks to its high daily output, the Wirtgen large milling machine W 210 XF is the ideal choice, no matter whether for milling on motorways, arterial roads, airports or other major construction projects.

**The innovative large milling machine guarantees maximum milling performance**

Its MILL ASSIST machine control system ensures absolute efficiency on every construction site. In automatic mode, it always 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 cost, performance or quality.

Powered by a John Deere engine with a maximum rated power output of 580 kW, the W 210 XF delivers powerful and efficient milling performance in every situation. Wirtgen and John Deere worked in close collaboration on fine-tuning the engine’s torque characteristic to meet the specific needs of cold milling applications.

The combination of the powerful engine and the DUAL SHIFT two-speed powershift transmission enables an enormous range of 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. This means that the W 210 XF is ideally equipped to realise even the most demanding milling tasks with maximum sustainability.

**The ideal milling drum for every application**

Requirements on construction sites frequently change from one day to another. This means that extreme flexibility is decisive. An example of this in the case of the W 210 XF is that the milling drum can be exchanged for a Multiple Cutting System (MCS) milling drum in just a few minutes. The ability to rapidly exchange application-specific milling drums with different tool spacings 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 210 XF to meet the requirements of any milling application.

The quick-change milling drum assembly enables the use of milling widths of 2.0 m, 2.2 m or 2.5 m. With the aid of the quick-change system, the entire milling drum housing can be exchanged in less than an hour.

**WPT Milling offers more functions**

Wirtgen Group Performance Tracker Milling, in short, WPT Milling, provides automated documentation of milling tasks. 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 Center™ presents all information in real time.

**Precise levelling with LEVEL PRO ACTIVE**

The LEVEL PRO 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 reduce 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, enables a high level of automation and precise milling results. The system also offers many automatic and additional functions that make the machine operator’s job easier, for instance, automatic lifting for driving over manhole covers.

Photos:

   
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With the aid of the quick-change system, it takes less than an hour to exchange the entire milling drum housing of the Wirtgen W 210 XF.

  
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Thanks to its high daily output, the large milling machine from Wirtgen can handle a broad spectrum of applications, ranging from surface layer rehabilitation and full-depth pavement removal to fine milling.

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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