# Wirtgen’s W 200 F: Reliable intelligence of the large milling machines

Wirtgen, the cold milling machine specialist, is boosting milling efficiency in the long-term with its new large milling machine generation. The intelligent machines help operators to maintain an optimum balance between performance, quality and costs. Like the W 200 F.

With its flexible milling widths of 2.0 m and 2.2 m as well as milling depths of up to 330 mm, the W 200 F covers a wide range of applications from surface course rehabilitation to complete removal and fine milling. It is equipped with a 455 kW engine.

MILL ASSIST: Lower consumption, higher output, improved quality

Because job-site conditions frequently change, the milling machine operator has to constantly reset machine parameters such as the drum speed, water volume and milling speed. Achieving optimum results requires manually intervening in the process to cater to the properties of the surface being milled – an extremely demanding task due to the complex multitasking involved.

WIRTGEN's introduction of its new generation of large milling machines marks the launch of the first smart machines capable of independently and optimally executing performance and quality specifications from the operator. The entire milling process is digitally mapped and simulated in real time, based on a comprehensive analysis of all parameters. In automatic mode, the innovative MILL ASSIST machine control always selects the most favorable ratio between milling performance and operating costs. The machine responds intelligently and dynamically to changing conditions. This makes the operator's job a great deal easier while vastly improving machine performance and reducing diesel, water and tool consumption as well as CO2 and noise emissions.

Man-machine-interface optimizes user-friendly **operation**

The newly developed operating concept optimizes integrated communication between man and machine. Using software tailored to cold milling requirements, the machine provides the operator with all important data on the milling process and the status of the milling machine. Milling machine operators can now view all the information that was previously shown on three displays quickly and clearly on a single control panel. They can register all relevant parameters at a glance and monitor and control the machine at the same time. Meanwhile, operation is intuitive and highly ergonomic. All machine functions and statuses can be viewed on one large 7-inch control panel. All LEVEL PRO ACTIVE leveling operations can be controlled from a 5-inch control panel, which can also be mounted on the right or left of the machine.

Precise LEVEL PRO ACTIVE leveling system with new automated functions

With the full integration of LEVEL PRO ACTIVE into the machine control, key machine functions have been directly linked with one another and precise milling results have been pre-programmed. The leveling system also features many automatic and added functions.

For example, the possibility of raising the machine to drive over a manhole cover speeds up work processes. LEVEL PRO ACTIVE also provides active and precise support when the machine is positioned at the start of a second milling track. This greatly improves the quality of milled surfaces.

Simple and fast milling drum change in just 15 minutes

The easier and faster a milling drum can be changed, the faster a milling machine can be back on the job and earning money. With the optional Multiple Cutting System (MCS), milling drums of the same milling width but with different tool spacing can now be changed without using any additional tools in just 15 minutes – an innovative and unique feature in the industry.

The side door first opens hydraulically. The milling drum is connected by a main bolt. A loosening tool provided by WIRTGEN is positioned on the bolt and the bolt loosened at the push of a button by the milling drum rotation device. All the operator then has to do is remove the bolt and pull out the milling drum.

The ease with which milling drums with different tool spacings can be changed to suit specific applications offers numerous advantages. It not only increases machine productivity: switching to the ideal milling drum for each job also significantly reduces the costs associated with wear. In addition, WIRTGEN customers can respond quickly and flexibly to the changing requirements encountered in day-to-day job-site operations.

*Changing the entire milling drum assembly in just one hour*

Thanks to the new quick-change milling drum assembly of the W 200 F, milling drum assemblies with different milling widths can be used – 2.0 m or 2.2 m. The fully pre-assembled milling drum assembly can now be changed in just one hour.

Photos:

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|  | W\_composing\_W200F\_00001\_HI The innovative Wirtgen MILL ASSIST machine control system permits efficient operation of the machine in automatic mode paired with high performance and user friendliness. |

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|  | **W\_graphic\_W200F\_00008\_HI**  Simple changes: With the new Wirtgen Multiple Cutting System, milling drums can be changed in just 15 minutes. |

*Note: These photographs are only intended as a preview. For printing in publications, please use the photographs in 300 dpi resolution that are available for download from the Wirtgen GmbH / Wirtgen Group websites.*

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