Wirtgen │ The ideal compact milling machine for urban construction projects

Two projects on one day: A W 120 Fi in Berlin demonstrates its versatility, outstanding performance and the high level of comfort its fully-enclosed cabin offers its operator.

The work schedule of the milling crew called for the deployment of the contractor’s W 120 Fi compact milling machine on two construction sites on the same day – in the centre and on the outskirts of Berlin. Milling services provider Enrico Feind deploys this model primarily on projects in sensitive urban locations. The machine unites maximum performance, versatility, manoeuvrability and low-vibration working, with outstanding operator-comfort, completing both jobs in the shortest possible time.

Comfort Cabin for ideal working conditions

The W 120 Fi is a big favourite of the milling crews – with good reason – as the Comfort Cabin reduces fatigue and makes the operator’s work much more comfortable. The fully-enclosed cabin provides a workplace in line with the latest ergonomic standards, provides protection against the weather and noise emissions and keeps dust and dirt out of the operator’s workspace. The advantages of the compact milling machine’s state-of-the-art operator’s platform also ideally demonstrated their numerous strengths on the two project sites in Berlin.

Particularly suitable for milling applications in urban settings

The outstanding manoeuvrability and compact dimensions of the cold milling machine makes it the ideal choice for milling applications on inner-city sites. Particularly on the first job of the day, close to Potsdamer Platz, where the milling crew had to work in an extremely tight space: the street is narrow and runs between office blocks and over an underground parking garage. Due to this tricky situation, the removal of two layers by milling required a particularly delicate touch. Thanks to its combination of a high-powered engine and low weight, the W 120 Fi is exactly the right machine for a job like this. Its environmentally friendly engine technology and smart assistance systems enabled the precise, cost-efficient and sustainable realisation of the milling project. In automatic mode, the innovative MILL ASSIST machine control system optimises the milling process by consistently selecting the most favourable balance between performance and costs. The result: improved machine performance, high efficiency, lower fuel consumption per ton of milled material and a considerable reduction of CO₂ emissions.

High operational flexibility

Immediately after the city-centre job in Berlin-Mitte, the machine was loaded up for the 30 km trip to Marienfelde, on the outskirts of Berlin. Here, the milling machine processed an area of around 200 square meters between fields and meadows. Two such different construction projects on the same day are no problem at all for the powerful and efficient W 120 Fi. The highly-manoeuvrable machine is extremely productive, easy to transport from site to site and can be quickly reconfigured for a wide range of milling tasks. The second construction project was also completed within the space of around one and a half hours.

Facts and figures – project details

Project in Berlin-Mitte

Completion time: 3 hours

Area: 65.5 m x 5.80 m

Asphalt pavement removal: Two layers, 350 m²

First layer: 10 cm

Second layer: 5–8 cm

Constructional features: Gutters on both sides

Road bed: Crushed stone

Project in Berlin-Marienfelde

Completion time: 1.5 hours

Overall asphalt surface area: 200 m²

Individual areas/removal: 40 m²/4 cm  
 126 m²/12 cm

Road surface area: 50 m x 5.40 m

Constructional features: 4 gate valves

**Photos:**



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*The W 120 Fi unites maximum performance, versatility, manoeuvrability and low-vibration working with outstanding operating-comfort.*

 

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The laterally shiftable operator’s cabin of the Wirtgen guarantees an ideal overview from the milling machine.



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The Wirtgen milling machine is loaded up and ready to go to the next job in no time at all.



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*Soon after completion of the city centre project, the W 120 Fi was able to demonstrate its impressive performance again on the outskirts of Berlin.*

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 link provided here.

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