Compact 2-m machine for efficient milling jobs

Cold Milling Machine W 200/W 200i
Innovation drives efficiency to the max

Easy-to-handle, lightweight large milling machine

Whether your needs include the extensive repair of surface courses, the removal of thin road pavements or fine milling activities of any type – the innovative Wirtgen W 200/W 200i machine is your prime choice. This cold milling machine masters complex challenges using unique, novel technologies whilst achieving premium-quality milling results at an unbeatably low operating cost. Further impressive features of the powerful W 200/W 200i include an ergonomically designed operator’s platform and solid machine concept offering effective operation.

Additional highlights include the tried-and-tested FCS Light, PTS automatic parallel alignment system, three adjustable milling drum speeds and efficient WIDRIVE machine management system. The engine of the W 200 complies with the specifications of exhaust emission standards EC Stage 3a/US Tier 3; the engine of the W 200i complies with those of EC Stage 4/US Tier 4f.

Low-emission, low-noise: the W 200/W 200i has been geared towards environmentally friendly, economical operation.

State-of-the-art operation and control technology provides highest ergonomic standards.
Milling extensive surfaces with the multi-purpose W 200/W 200i machine
Some tasks should be completed only by seasoned specialists. Quite clearly, the W 200/W 200i is one of them. Be it the fine milling of extensive areas, the selective removal of surface courses or milling jobs to be carried out on confined urban sites – this cold milling machine demonstrates the highest possible efficiency in all of these fields. Another factor contributing to the machine’s economy is its wide range of applications, which results in full utilization at any time so that the machine impresses with high milling outputs on most diverse construction sites. Regardless of whether a milling drum assembly with a working width of 1.5, 2.0 or 2.2 metres is used, the unrivalled milling depth enables the removal of complete pavements in a single pass. Three different engine or milling drum speeds can be selected depending on the specific performance requirements.

High daily production rates – whatever the job
Increasing productivity
the smart way
Another key innovation is the adjustable speed of the milling drum, which can be set from the operator's platform. It ensures perfect milling performance levels regardless of conditions and across a wide range of applications. A selector switch enables the milling drum to be set to three different speed levels.

The W 200/W 200i usually operates at the medium milling drum speed. The high speed is chosen for large-scale fine milling jobs. The low speed is selected to achieve maximum milling performance levels at reduced fuel consumption rates per cubic metre of milled material and low cutting tool wear and tear. To sum it all up, customers will quickly benefit from the excellent cost-benefit ratio at maximum productivity levels and high daily production rates.

Select three different milling drum speeds

- Low speed: complete removal at full depth
- Medium speed: milling off surface courses, thin road pavements etc.
- High speed: fine milling
Focus on what is really important

Small number of buttons and switches

Simplicity is the guiding principle applied to the operation of the W 200/W 200i. The number of controls is small, too, as the WIDRIVE machine management system takes care of many tasks that were previously performed by the operator. The clearly arranged controls are labelled in a language-neutral manner, enable perfect handling and help to prevent fatigue during work. External panels can be used to operate the machine quickly and easily from the ground. In addition, the clearly structured colour control screen continuously informs the operator of key machine and operating parameters. As a result, the operator will be able to run the W 200/W 200i effortlessly and intuitively after only a short training period.

Innovative, user-friendly diagnostic tools enable the operator to easily diagnose the condition of the machine. The large number of features provided includes continuous logging of events during the entire milling process.
Giving operators the full picture – at all times

Overview of cameras:

1. Camera at the rear
2. Camera at the rear
3. Camera at the rear
4. Camera at end of conveyor
5. Camera front, centre
6. Camera front, right
7. Camera front, left
8. Camera at scraper
From his working platform, the machine operator is always up to date on what is happening behind or underneath the W 200/W 200i, or on the performance levels of the cold milling machine on its current job. On the control screen, he can view up to six different camera settings of different working areas and additionally has an overview of major parameters related to the current milling job. The control system calculates job parameters automatically based on the input of material density and milling width. It displays information such as the number of trucks loaded, weight and volume of the milled material and size of the milled area.

The multifunctional control screen can be switched to camera mode to monitor important work processes. When using six cameras, an additional camera screen is installed to allow the simultaneous display of two different camera views. Two or six high-resolution colour cameras can be installed in accordance with customer specifications. Optional installation of an intelligent data converter enables defined machine parameters to be read out from the machine’s control system as per the standardized WIFMS norm.

Job parameters and camera images at a glance

Clearly structured display of job parameters

Keying in the milling parameters is simple
Excellent visibility concept

Keep an eye on both the milling edge and the track units all the time without losing sight of the controls! The design of the W 200/W 200i offers two features guaranteeing that this challenging requirement is met: first, the slender wasp waist design on both sides provides a perfect view of the milling operation. Second, the position of the control panels can be adjusted to suit the operator’s needs. The machine has even more to offer: the height-adjustable seat can be moved toward the control panel and beyond the edge of the machine on a swivel arm. On the whole, the versatile range of user-specific adjustment options provide the operator with a perfect viewing level and position both when seated and when standing.

The canopy complete with front and rear screens provides outstanding protection against exposure to rain, wind or sun. The entire canopy can be moved to either side so as to elegantly negotiate obstacles at the height of the operator’s platform.
The guard rail can be moved to the outside if required.

Whether working in upright or seated position: adjustable ...

... control panels, individually adjustable comfort seats.
LEVEL PRO – paving the road to success with a unique levelling system

Electronic slope sensor for the milling of predefined cross slopes.

Crew members on the ground can enter adjusted parameters in LEVEL PRO.
Hydraulic milling depth sensors capture the level on the sides and in front of the milling drum.

Wirtgen has developed an ultra-precise, proprietary levelling system including a software designed specifically for cold milling machines – LEVEL PRO. The overall system includes the clearly structured LEVEL PRO panel, a controller and several sensors. A multitude of different sensors can be integrated into the automatic levelling system, such as hydraulic milling depth, cross slope or ultrasonic sensors.

The graphics-enabled LEVEL PRO panel provides a clear readout of key parameters. Set and actual values for the left and right milling depth as well as slope parameters are clearly shown on the displays as work progresses. In addition, the memory feature is very useful to programme, save and retrieve set values.
W 200 – high-performance engine technology

For emission standards EC Stage 3a/US Tier 3

The engine technology used in the W 200 cold milling machine complies with the emission standards of EC Stage 3a/US Tier 3.

The W 200 is equipped with a powerful, economical ECO diesel engine.

The fully electronic WIDRIVE machine management system enables the engine of the W 200 to always work in the optimal performance and torque ranges, at extremely low fuel consumption rates and low operating costs.
For emission standards EC Stage 4 / US Tier 4f

The W 200i features state-of-the-art engine technology for lowest environmental emission levels, complying with the stringent specifications of exhaust emission standards EC Stage 4 / US Tier 4f.

To ensure effective exhaust gas purification, the engine installed in the W 200i is fitted with both a combined two-way catalytic converter and diesel particulate filter as well as an SCR catalytic converter.

The WIDRIVE machine management system guarantees consistently high performance levels even under full load. Operating costs of the W 200i are reduced further by the machine’s intelligent diesel engine control.
PTS – intelligent machines will drive the future

Automatic chassis alignment parallel to the pavement

The proprietary PTS system not only guarantees that the working depth is maintained with maximum accuracy but also makes work as easy as possible for the operator. PTS is short for “Parallel To Surface”, meaning that the system automatically aligns the machine parallel to the road surface in a dynamic process: the front and rear track units are lowered evenly and parallel to each other. In addition, the fourfold full-floating axle that forms part of the PTS system quickly levels out any irregularities on the left or right side.

The lifting columns are interlinked hydraulically so that any surface irregularities are levelled out by all four lifting columns. Overall, the operator is relieved from a significant part of his workload previously generated by the need for manual adjustments. The machine adheres to a course parallel to the road surface in both milling and transport mode.

If one track unit hits an obstacle (such as an elevated milling edge) during the milling operation, the other three units contribute to levelling out the height offset, thus enabling the difference in height to be levelled out much more rapidly.
Precise steering with the parallel sliding block guide working independently of the height selected.

An inner radius of 2,150 mm is possible at a working width of 2.0 m.

Crab steering permits the machine to easily approach the milled cut from the side.

The compact W 200/W 200i owes its outstanding manoeuvrability to a hydraulic all-track steering system, a choice of different steering modes, track units offering separate hydraulic height adjustment and continuously adjustable travel speed.

Add to this the intelligent ISC traction drive system. It includes three basic features: electronic traction control to ensure optimum traction, automatic speed adjustment of the individual track units in bends to reduce track pad wear, as well as an optimized advance rate to ensure optimum engine performance.

For perfect milling results, the steering angles of the machine’s front and rear axles are coordinated, and the rear axle is tracked automatically.
Cutting technology is part of our core expertise, which is why our milling drums appear as being “cast from a single mould”. Irrespective of the type of milling job, perfectly arranged toolholders ensure a top-quality surface texture that extends right up to the peripheral areas. The intelligent cutting tool arrangement ensures low wear and extremely smooth operation. In addition, the premium-quality milling drums have been designed for a long service life and extremely high resistance and strength. Milling drums made by Wirtgen are manufactured from highly wear-resistant materials using state-of-the-art, mature production methods. The Flexible Cutter System “FCS Light” enables milling drums of the same working width to be exchanged quickly and easily.

The ejector can be turned by 180° and thus be used twice as wear occurs mostly in the upper area.

At the heart of the W 200/W 200i: the state-of-the-art milling drum
Wirtgen milling drums are ideally suited both for milling at full working depth …

... and for the removal of surface courses.
The patented HT22 quick-change toolholder system has been designed for demanding everyday use on the job site. Its many advantages include a long service life, optimum tool rotation and easy tool replacement. The replacement of tools is facilitated by the automatic drum turning device as the milling drum can be effortlessly moved into the position best suited to the operator’s needs. This comfort feature is enhanced even further by additional fold-out seats located between the rear track units.

In addition to that, the extra-robust design of the HT22 quick-change toolholder system offers significantly extended servicing intervals.

Last but not least, there is a choice of various tool driving and extraction systems: both the manual and pneumatically operated extractors have proven their worth – thanks to the battery-operated hydraulic module, hydraulic extractors can be used to extract cutting tools effortlessly when the diesel engine is switched off.

Using HT22 to save time and costs

The heavy-duty quick-change toolholder system for professionals

The electrohydraulically operated tool extractor improves the machine’s overall productivity.
Milling drum assemblies
1.5 m, 2.0 m and 2.2 m wide

Different working widths

The W 200/W 200i comes with a 2.0-m milling drum assembly in the standard package while 1.5-m or 2.2-m wide drum assemblies are available as equipment options.

At a working width of 2.2 m, a 4.35 m wide road surface (first lane and median strip) is milled off in two passes.

The 2.0-m and 2.2-m milling drum assemblies are suitable for use with the FCS Light system so that milling drums of identical width can be changed quickly and easily.
FCS Light – change milling drums of the same working width

FCS Light for milling widths of 2.0 m and 2.2 m

FCS Light is available for milling widths of 2.0 m and 2.2 m and makes the large W 200/W 200i milling machine a real multipurpose unit. For FCS Light permits drums of equal width but with different tool spacings to be changed quickly and easily. Well-trained staff complete this work step within only 1.5 hours.

A mounting carriage is offered as an equipment option to facilitate the change of drums.

FCS Light creates the foundation for the economical use of the W 200/W 200i in a wide range of applications, such as removing asphalt pavements at full depth, milling off surface courses or pavement irregularities. The resulting high degree of utilization of the W 200/W 200i large milling machine is a welcome side effect.

ECO cutter
- Milling width: 2,000 mm
- Milling depth: 0 – 330 mm
- Tool spacing: 25 mm

Standard milling drum
- Milling width: 2,000 mm
- Milling depth: 0 – 330 mm
- Tool spacing: 15 mm

Fine milling drum
- Milling width: 2,000 mm
- Milling depth: 0 – 100 mm
- Tool spacing: 8 mm

Micro-fine milling drum
- Milling width: 2,000 mm
- Milling depth: 0 – 30 mm
- Tool spacing: 6 x 2 mm
The ECO cutters equipped with a reduced number of point-attack tools ensure the highest possible area performance.

Standard milling drums are ideally suited for the removal of one or more pavement layers, ensuring a good interlock between the milled surface and the new pavement.

Fine milling drums create finely textured surfaces ideally suited as a base for the application of thin pavement layers.

Micro-fine milling drums can be used to roughen road pavements and to improve their evenness and skid resistance.
Milling drum assembly with lots of practical functions

Automated solutions

The milling drum assembly of the W 200/W 200i is packed with a wide range of technical solutions. The scraper blade can be moved hydraulically. It can additionally be swung open and has an automatic locking function. The hydraulically height-adjustable side plates left and right allow precise milling along road fixtures. The right-hand side plate can be raised by 450 mm. Milling flush to kerb is thus possible also at large working depths.

In transport mode, the gradation control beam, scraper blade and side plates are raised automatically together with the lifting columns in order to safely negotiate any obstacles when manoeuvring. Last but not least, pressure in the two separate water spray bars is adjusted in accordance with the machine’s performance, and the amount of water is continuously variable. This arrangement ensures perfect tool cooling and reduces dust generation on the construction site.

The right-hand side plate can be raised by a total of 450 mm.
The efficient mechanical milling drum drive

The W 200/W 200i has been equipped with a tried-and-tested drive design: the mechanical milling drum drive. The mechanical milling drum drive efficiently translates the engine power into high daily production rates. An automatic belt tensioner ensures consistent power transmission at all times. The multiple V-belts absorb peak loads. The intelligent drive design offers in striking benefits, such as low fuel consumption, high wear resistance and ease of maintenance.

Extremely powerful – yet extremely economical
The innovative automatic system used to initiate the milling process ensures that the surface can be milled to the maximum depth of 330 mm from the very first metre. When the automatic levelling system is activated, the machine is lowered automatically at maximum speed together with the rotating milling drum. The front and rear track units are lowered to the set milling depth quickly in a parallel movement.

Once the side plates reach the ground, the lifting columns continue lowering in slow mode; the lowering rate is adjusted further in the milled cut if required. The machine retains its parallel alignment – no time is wasted on complex manual lowering processes.

Ensuring a perfect start of the milling operation

1. The milling machine in transport position
2. The milling machine is lowered quickly while retaining its parallel alignment
3. The milling machine is lowered slowly while retaining its parallel alignment
4. The milling machine mills at full working depth right from the first metre
Vacuum cutting system offers a pleasant working environment

When developing the W 200/W 200i, particular attention was paid to the well-being of the operating crew. For this reason, the cold milling machine can be fitted with the vacuum cutting system to extract fine material particles. Its principle is simple: by creating a negative pressure in the drum housing, the mix of air and water vapour is evacuated and then fed back into the flow of milled material transported on the conveyor via a hose system.

It goes without saying that improved air quality and visibility in the working areas significantly improve operator comfort and boost staff performance.

Reduced contamination of components, such as the engine or air filter, results in savings in the replacement of spare parts.

Unobstructed view of the milling edge

The centrifugal fan is unaffected by contamination and can be adjusted in speed.

VCS ensures a perfect view of the milling edge regardless of the time of day or night.
Getting rid of the milled material quickly

Powerful material loading

The conveyor system installed in the W 200/W 200i offers an extremely high loading capacity and drive power to ensure quick and reliable material loading. The conveyor system is equipped with automatic, continuously adjustable belt speed control. Combined with the adjustable discharge rate, even giant five-axle trucks can be loaded to full capacity.

Conveyor slewing angles of 60° to both sides ensure a perfect loading pattern even in narrow bends, roundabouts or turning bays. Extremely low-wear conveyor belts ensure maximum loading output. The gradation control beam prevents the formation of large slabs, promotes favourable particle sizes and protects the belt from being damaged.
High belt speed

Low belt speed

Slewing angles of 60° to both sides ensure flexibility in material loading.

Continuously adjustable belt speed and discharge range.

For quiet work at night: clearly visible “Stop” and “Go” instructions given to the truck driver.
Quick maintenance ensures high productivity
The highest possible machine availability is of crucial importance to achieve consistently high daily production rates on all kinds of milling sites. That is why the W 200/W 200i has been designed with quick and easy maintenance in mind. Opening the engine cowling at the push of a button provides direct access to the small number of intelligently arranged points of inspection and maintenance. In addition, all maintenance work is completed swiftly and easily, thus enabling the profitable milling operation to continue as quickly as possible.

The machine’s automatic on-board diagnostic system independently monitors valves, sensors and control components. Extended servicing intervals of up to 500 operating hours minimize maintenance costs.
Full utilization increases efficiency

High performance also during the night

The amount of night work performed on road construction sites is increasing continuously. The W 200/W 200i takes account of this trend by being equipped with a comprehensive lighting package as a standard feature. That said, the equipment package by far exceeds the “standard”. The powerful, adjustable spotlights can be attached to various points at the machine in just a few swift moves to perfectly illuminate the entire working area. After nightfall, backlit control panels provide the operator with all required details at a single glance.

Should the need arise, lighting balloons can be used for additional, extensive illumination of the construction site. Any milling job can thus be easily completed even after sunset – and the W 200/W 200i is utilized to full capacity.
Moving on to the next job in no time

Ease of transport

Transport of the W 200/W 200i is easy, making sure that the machine is ready for operation again quickly on the next job location. The conveyor in folding design reduces the machine’s overall transport length and permits the use of smaller transport vehicles. The canopy can be lowered hydraulically for transport. Removable supplementary weights enable transport of the W 200/W 200i on vehicles with a low maximum permissible payload.

Strong loading and lashing lugs enable the machine to be safely lashed down on a trailer or loaded by crane. Our range of optional equipment features includes conveyor support legs for machine transport on a flatbed truck.

The folding conveyor reduces the machine’s transport length.

Transport on a flatbed truck with the canopy folded down – tailored to accurate fit!
Complying with ever-strictler environmental standards

Environmentally friendly machine technology

More than ever, it is all about keeping exhaust emissions, noise and dust away from road construction sites. The trend-setting WIDRIVE machine management system is of key importance in this regard. Consumption-optimized speed ranges in milling mode, adjustment of the engine speed to the machine’s advance rate, and temperature-controlled fan speeds contribute to protecting the environment and saving resources: diesel fuel consumption is reduced significantly, resulting in a much lower amount of pollutants affecting the environment.

The engine of the W 200 complies with the specifications stipulated by exhaust emission standards EC Stage 3a/US Tier 3; the engine of the W 200i complies with those stipulated by EC Stage 4/US Tier 4f. In addition, the VCS extraction system reduces dust emissions, efficient soundproofing of the engine compartment and anti-vibration engine support reduce noise levels, and the stoplight system replaces the loud horn during night operations.
# Technical specification

<table>
<thead>
<tr>
<th>Milling drum</th>
<th>Cold milling machine W 200 and W 200i</th>
</tr>
</thead>
<tbody>
<tr>
<td>Milling width</td>
<td>Option FB 1,500</td>
</tr>
<tr>
<td>Milling depth*</td>
<td>Option FB 1,500</td>
</tr>
<tr>
<td>Tool spacing</td>
<td>Standard FB 2,000</td>
</tr>
<tr>
<td>Number of cutting tools</td>
<td>Option FB 2,200</td>
</tr>
<tr>
<td>Drum diameter with tools</td>
<td>Standard FB 2,000</td>
</tr>
<tr>
<td>Engine</td>
<td>Option FB 1,500</td>
</tr>
<tr>
<td>Engine manufacturer</td>
<td>W 200</td>
</tr>
<tr>
<td>Type</td>
<td>W 200i</td>
</tr>
<tr>
<td>Cooling</td>
<td>Water</td>
</tr>
<tr>
<td>Number of cylinders</td>
<td>Water</td>
</tr>
<tr>
<td>Rated power</td>
<td>Water</td>
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<tr>
<td>at 2,100 min⁻¹: 373 kW / 500 HP / 507 PS</td>
<td>at 2,100 min⁻¹: 447 kW / 600 HP / 608 PS</td>
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<tr>
<td>Maximum power</td>
<td>at 1,800 min⁻¹: 410 kW / 550 HP / 558 PS</td>
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<td>Displacement</td>
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<tr>
<td>Emission standards</td>
<td>EC Stage 3a / US Tier 3</td>
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<tr>
<td>Electrical system</td>
<td>EC Stage 4 / US Tier 4f</td>
</tr>
<tr>
<td>Electrical system</td>
<td>EC Stage 4 / US Tier 4f</td>
</tr>
<tr>
<td>Tank capacities</td>
<td>24 V</td>
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<tr>
<td>Fuel tank</td>
<td>W 200</td>
</tr>
<tr>
<td>AdBlue® / DEF tank</td>
<td>W 200i</td>
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<tr>
<td>Hydraulic oil tank</td>
<td>Water</td>
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<tr>
<td>Water tank</td>
<td>Water</td>
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<tr>
<td>200 l</td>
<td>3,350 l</td>
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<tr>
<td>Driving properties</td>
<td>Driving properties</td>
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<tr>
<td>Max. travel and milling speed</td>
<td>Driving properties</td>
</tr>
<tr>
<td>0–85 m/min (5 km/h)</td>
<td>Driving properties</td>
</tr>
<tr>
<td>Track units</td>
<td>Track units</td>
</tr>
<tr>
<td>Track units, front and rear (L x W x H)</td>
<td>Track units</td>
</tr>
<tr>
<td>1,630 x 260 x 590 mm</td>
<td>Track units</td>
</tr>
<tr>
<td>Loading of the milled material</td>
<td>Loading of the milled material</td>
</tr>
<tr>
<td>Belt width of primary conveyor</td>
<td>850 mm</td>
</tr>
<tr>
<td>Belt width of discharge conveyor</td>
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<tr>
<td>Theoretical capacity of discharge conveyor</td>
<td>375 m³/h</td>
</tr>
<tr>
<td>Shipping dimensions</td>
<td>Shipping dimensions</td>
</tr>
<tr>
<td>Machine option FB 1,500 (L x W x H)</td>
<td>W 200</td>
</tr>
<tr>
<td>Machine standard FB 2,000 (L x W x H)</td>
<td>W 200i</td>
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<tr>
<td>Machine option FB 2,200 (L x W x H)</td>
<td>W 200</td>
</tr>
<tr>
<td>Discharge conveyor (L x W x H)</td>
<td>W 200i</td>
</tr>
</tbody>
</table>

* = The maximum milling depth may deviate from the value indicated due to tolerances and wear.
<table>
<thead>
<tr>
<th>Machine weights</th>
<th>W 200</th>
<th>W 200i</th>
</tr>
</thead>
<tbody>
<tr>
<td>Empty weight of machine</td>
<td>25,350</td>
<td>25,550</td>
</tr>
<tr>
<td>Operating weight, CE</td>
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<td>27,850</td>
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<tr>
<td>Maximum operating weight</td>
<td>34,860</td>
<td>35,100</td>
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<tr>
<td><strong>Weights of tank contents</strong></td>
<td></td>
<td></td>
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<tr>
<td>Water tank filling in kg</td>
<td>3,350</td>
<td>3,350</td>
</tr>
<tr>
<td>Diesel tank filling in kg</td>
<td>1,000</td>
<td>930</td>
</tr>
<tr>
<td>AdBlue®/DEF tank filling in kg</td>
<td>–</td>
<td>110</td>
</tr>
</tbody>
</table>

**Optional equipment features increasing/reducing empty weight**

**Driver and tools**
- Driver: 75 kg
- Weight of 5 cutting tool containers: 125 kg
- On-board tools: 30 kg

**Optional milling drum assemblies**
- Milling drum housing, FB 2,200: 200 kg
- Milling drum housing, FB 1,500: 100 kg
- Milling drum housing, FB 2,000, FCS-L: 650 kg
- Milling drum housing, FB 2,200, FCS-L: 900 kg

**Optional milling drums**
- Milling drum, FB 1,500, LA 15: 460 kg
- Milling drum, FB 2,200, LA 15: 180 kg

**Optional FCS milling drums**
- Milling drum, FB 2,000, LA 18, FCS-L: -260 kg
- Milling drum, FB 2,200, LA 18, FCS-L: -30 kg
- Milling drum, FB 2,000, LA 15, FCS-L: -150 kg
- Milling drum, FB 2,200, LA 15, FCS-L: 0 kg
- Milling drum, FB 2,000, LA 8, FCS-L: 660 kg
- Milling drum, FB 2,200, LA 8, FCS-L: 900 kg
- Milling drum, FB 2,000, LA 6x2, FCS-L: 990 kg
- Milling drum, FB 2,200, LA 6x2, FCS-L: 1,060 kg

**Optional additional equipment**
- Operator’s platform including comfort seats: 250 kg
- Canopy: 280 kg
- Cabin: 600 kg
- Folding conveyor: 520 kg
- VCS – Vacuum Cutting System: 150 kg
- Supplementary weight for flexible use: 1,700 kg

*1 = Machine weight excluding any additional equipment features, excluding on-board tools and cutting tools, excluding tank contents but including hydraulic oil
*2 = Empty weight, half-full water tank, half-full fuel tank, half-full AdBlue®/DEF tank, driver and on-board tools, excluding any additional equipment features
*3 = Empty weight, full tanks, driver, cutting tools, on-board tools and max. possible weight of additional equipment features
Technical specification

Dimensions in mm

Canopy in transport position

Machine centre of gravity*

<table>
<thead>
<tr>
<th></th>
<th>W 200</th>
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<th>W 200i</th>
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<tbody>
<tr>
<td>FB</td>
<td>A</td>
<td>B</td>
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<tr>
<td>1,500</td>
<td>2,500</td>
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<tr>
<td>2,000</td>
<td>2,500</td>
<td>15,360</td>
<td>14,490</td>
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<td>2,200</td>
<td>2,700</td>
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</table>

* = Based on operating weight, CE with conveyor folded out
Milling radius, milling depth 150 mm
Dimensions in mm

FB 2,000: \( R_{\text{min}} = 13,500 \)
FB 2,200: \( R_{\text{min}} = 7,900 \)
FB 1,500: \( R_{\text{min}} = 13,500 \)

FB 2,000: \( R_{\text{min}} = 2,150 \)
FB 2,200: \( R_{\text{min}} = 1,950 \)
FB 1,500: \( R_{\text{min}} = 2,150 \)
Equipment features

Standard equipment features

**Basic machine**
- Water-cooled engine
- Water cooler with temperature-governed fan speed
- Machine frame in dual “wasp waist” design
- Hydraulically opening engine cowling with highly effective soundproofing
- Air compressor system
- Battery-operated hydraulic module for hydraulic cylinder functions and for emergency functions
- Automatically engaging high-pressure water system, 18 bar, 67 l/min
- Standard painting in Wirtgen white with orange stripes

**Milling drum assembly**
- Milling drum housing for FB 2,000, excluding FCS features
- Three electrically switchable milling drum speeds 127 l/min - 109 l/min - 97 l/min
- Hydraulic gradation control beam with conveyor lift function
- Hydraulically movable and adjustable scraper blade with automatic locking function
- Hydraulically lifting side plates left and right; working stroke right 450 mm, working stroke left 330 mm
- Separately engageable water spray bar in the milling drum assembly

**Milling drums**
- Milling drum, FB 2,000, HT22, LA 15
- Full set of point-attack cutting tools
- Multiple-use ejector system

**Loading of the milled material**
- Discharge conveyor system with adjustable conveying speed
- Discharge conveyor slewing angle 60° to the left, 60° to the right
- Water spray system at primary conveyor

**Machine and levelling control**
- LEVEL PRO automatic levelling system including sensors installed in the side plate hydraulic cylinders
- Colour control screen displaying the milling depth and all important operation parameters
- Multifunctional truck loading indicator integrated in control screen
- Comprehensive diagnostic system included in control screen
- Automatically engaging milling power control unit
- Four exterior control panels for operation by ground staff
- Digital electric height indicator
- Full pre-installation for up to 7 levelling sensors per machine side

**Operator’s platform**
- Convenient access to operator’s platform including stand-up seat, left and right
- Fully anti-vibration mounted operator’s platform
- Convenient, individually adjustable control panel
- Robust anti-vandalism control covers
- Mirror set comprising two mirrors at the front, one mirror at the centre, one mirror at the rear of the machine

**Chassis and height adjustment**
- PTS – automatic alignment of machine parallel to the pavement surface
- ISC – intelligent track speed control including hydraulic four-track drive
- Four-fold full-floating axle for high machine stability
- Four-track steering with selectable steering modes
- Extremely wear-resistant, two-piece EPS polyurethane track pads

**Miscellaneous**
- Lighting package including 11 halogen working lights
- Four LED lights at the milling drum assembly
- “Welcome” and “Go home” lights feature including LED lighting at the operator’s access and platform
- Comprehensive toolkit in lockable toolbox
- Large, lockable storage compartments for cutting tool containers
- Comprehensive safety package including 6 emergency stop switches
- European design type certification, GS mark (Geprüfte Sicherheit = Tested Safety) and CE conformity
- Standard warranty of 12 months or 1,000 engine operating hours
- Machine commissioning by qualified personnel
- Comprehensive operating manual and machine documentation
## Optional equipment features

### Basic machine
- Special painting, one or several colours
- Electrical preheating of fuel filter

### Milling drum assembly
- Milling drum housing for FB 1,500
- Milling drum housing for FB 2,200
- Milling drum housing for FB 1,200, FCS Light
- Milling drum housing for FB 2,200, FCS Light
- Drum turning device for cutting tool replacement
- Max. two pneumatically operated cutting tool drivers and extractors
- Max. two electrohydraulically operated cutting tool extractors
- Additional fold-out seats at the rear track units for cutting tool replacement

### Milling drums
- Milling drum, FB 2,200, HT22, LA 15
- Milling drum, FB 600, HT22, LA 15, FCS Light
- Milling drum, FB 900, HT22, LA 15, FCS Light
- Milling drum, FB 1,200, HT22, LA 15, FCS Light
- Milling drum, FB 2,200, HT22, LA 15, FCS Light
- Milling drum, FB 2,000, HT22, LA 8, FCS Light
- Milling drum, FB 2,200, HT22, LA 8, FCS Light
- Milling drum, FB 2,000, HT5, LA 6x2, FCS Light
- Milling drum, FB 2,200, HT5, LA 6x2, FCS Light
- Milling drum, FB 2,000, HT22, LA 25, FCS Light
- Milling drum, FB 2,200, HT22, LA 25, FCS Light
- Milling drum, FB 2,000, HT22, LA 18, FCS Light
- Milling drum, FB 2,200, HT22, LA 18, FCS Light
- Mounting carriage for milling drums

### Loading of the milled material
- Discharge conveyor in hydraulic folding design
- VCS – Vacuum Cutting System
- Conveyor support legs for machine transport

### Machine and levelling control
- Max. two additional LEVEL PRO control panels
- Measurement of the actual milling depth via a sensor package installed at the scraper and readout on the LEVEL PRO and machine screens
- RAPID SLOPE sensor for additional cross slope levelling
- Hydraulic cylinder sensor capturing the milling depth in front of the milling drum, right
- Hydraulic cylinder sensor capturing the milling depth in front of the milling drum, left and right
- Laser sensor including levelling arm movable laterally by 4 m hydraulically including laser transmitter and laser receiver
- SONIC SKI sensor for additional ultrasonic level scanning
- Multiplex sensors with two additional ultrasonic sensors including bracket and cable in 3-fold Multiplex system package, right
- Multiplex sensors with two additional ultrasonic sensors including bracket and cable in 3-fold Multiplex system package, left and right
- Pre-installation of laser sensor including laser signal receiver but excluding laser signal transmitter
- Pre-installation for 3D GPS levelling including receiver mast

### Operator's platform
- Hydraulically lowering protective canopy
- Operator's platform including individually adjustable, comfortable driver's seats, left and right
- Operator's platform including cabin as part of the “Operator Comfort System”
- Hot-air blower heating in the footwell area of the operator's platform, left and right
- Screen system including two cameras
- Screen system including four additional cameras and additional screen
- Full set of mirrors, partly with electric fold-in function, including stop-and-go indicator

### Miscellaneous
- WITOS FleetView telematics system including 3-year licence
- Hydraulically operated electrical generator with a capacity of 4 kW at 220 volts
- Hydraulically operated electrical generator with a capacity of 4 kW at 110 volts
- Lighting balloon, 2 kW, operated at 220 volts
- Lighting balloon, 2 kW, operated at 110 volts
- Electrically operated diesel tank filling pump
- Hydraulically operated water tank filling pump
- High-performance lighting package including six additional LED lights
- Bolt-on supplementary weight, 1,700 kg
- Large storage compartment in lieu of standard storage compartment at the rear of the machine
- Hydraulically operated high-pressure water cleaner, 150 bar, 15 l / min