Versatile high-performance milling machine for professional applications

Cold Milling Machine W 210 / W 210i
By the pros for the pros

The 210 / W 210i is compact, versatile and economically efficient

State-of-the-art construction machines need to cope with ever higher demands. Contractors expect high performance levels and economic efficiency without wanting to compromise on maximum flexibility. The W 210 / W 210i perfectly meets these requirements: milling performance and versatility in application are tremendous, and the intelligent WIDRIVE machine management system cuts operating costs. WIDRIVE has automated many functions that are normally performed by the machine operator in a separate step, thus ensuring low diesel fuel consumption and enabling an environmentally compatible milling process. Further highlights of the W 210 / W 210i include the PTS parallel alignment system, ISC crawler track control, FCS Light quick-change system for milling drums, LEVEL PRO automatic leveling system and new “Dual Engine Concept” that is unprecedented in cold milling machine technology.
The engine of the W 210 complies with the specifications stipulated by exhaust emission standards EC Stage 3a / US Tier 3; the engine of the W 210i complies with those stipulated by EC Stage 3b / US Tier 4i.

The innovative drive design of the W 210 / W 210i featuring two engines offers maximum economic efficiency regardless of the working situation.

“Parallel To Surface” – PTS revolutionizes the automatic alignment of the machine parallel to the road surface in both longitudinal and transverse direction.

The milling drum speeds can be adjusted in accordance with the job at hand, guaranteeing optimal milling performance across a wide range of applications.

The innovative W 210 / W 210i is a role model in performance and economy

Ergonomically optimized design and simple operation

prevent fatigue during work
High productivity tailored to accurate fit

A broad range of applications in the 6’ 7” (2-m) class

The lightweight W 210 / W 210i is considered a role model in performance capacity – and an ideal candidate in a broad range of applications. While its high engine power caters to all needs on large milling sites, its high milling performance, outstanding maneuverability and compact design also ensure swift and professional completion on small to medium-sized construction sites. Extremely useful features for meeting the high performance requirements are the intelligent WIDRIVE control system, the use of two powerful diesel engines, and a choice of different engine and milling drum speeds.
The large milling machine rehabilitates all kinds of large areas with maximum efficiency – from the milling of surface courses to the complete removal of individual motorway lanes at full depth.

The W 210 / W 210i lets performance speak for itself even when space is limited, for example, in the area of a road junction or on urban milling sites.

The tremendous power of the two diesel engines provides the large milling machine with ample reserve capacity.

Regardless of whether a milling drum assembly with a working width of 4’ 11”, 6’ 7” or 7’ 3” (1.5 m, 2.0 m or 2.2 m) is used, the unrivalled milling depth enables the removal of complete pavements in a single pass.
Three different milling drum speed options

Our design engineers know how to fully utilize the potential a cold milling machine has to offer. They have succeeded in presenting a true innovation that enables ideal milling outputs to be achieved not only under frequently varying and highly demanding conditions but also in a wide variety of different applications. The W 210 / W 210i usually runs at the medium milling drum speed, whereas the high speed is selected for large-scale fine milling jobs. The low speed is chosen to achieve maximum milling performance levels at reduced fuel consumption rates per cubic yard of milled material and low cutting tool wear and tear. To put it in a nutshell: minimum cost and maximum productivity – made by Wirtgen.

Cut cost – boost revenue
A selector switch in the operator’s platform serves to set three different speed levels of the engine and/or the milling drum.

Low speed is recommended if high milling performance levels are required at low milling cost, for instance, when removing complete pavements at full depth.

Medium speed ensures a favorable particle size of the milled material and should be selected for standard milling jobs.

High milling drum speed and high machine advance rate will ensure a good surface texture in fine milling jobs.
Gaining control quickly

Ease of operation permits full control of the W 210 / W 210i right away

Climb the operator’s platform, and away you go! It takes no more than a short training period to be able to operate the W 210 / W 210i just as intuitively as a milling pro. True to the saying that “less is more”, the operator only needs to familiarize himself with a small number of controls as the WIDRIVE machine management system will take care of many functions fully automatically. The clearly arranged controls are labelled in a language-neutral fashion, enable perfect handling and help to prevent fatigue during work. In addition, the clearly structured color control screen keeps the operator informed of key machine and operating parameters. Crew members on the ground have an easy job, too: external panels can be used to operate the machine quickly and easily from the ground.
The control screen clearly displays operation parameters and maintenance details.

Innovative, user-friendly diagnostic tools enable any 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.

The high level of information is supported by clearly structured, unambiguous diagrams.
Giving operators the full picture – at all times

Job parameters and camera images at a glance

From his working platform, the machine operator is always up to date on what is happening behind or underneath the W 210 / W 210i, or on the performance levels of the cold milling machine on its current job. He can view up to six different camera settings of different work areas on the control screen, 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 material milled, and size of the milled area. Operation is assisted further by displaying the milling performance, truck loading counter or consumption indicator.
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 color 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.
Fully focused on the milling job

Milling machine operators want to operate their machines at maximum performance levels, yet come down from the operator’s platform at the end of the working day feeling well and fit. The W 210 / W 210i combines both requirements as it offers a truly perfect ergonomic design. One of the main features is the slender wasp waist of the W 210 / W 210i which enables an unobstructed view of the milling edge, crawler track system and protective side plates. It is complemented by individually adjustable dual control panels and height-adjustable driver’s seats. The seats can be positioned between the control panel and guard rail on a swivel arm. All of these features combine into a perfect panorama design, and milling in both upright and seated position can proceed with the greatest ease.

Perfect visibility in a comfortable working posture
The W 210 / W 210i elegantly negotiates any obstacles at the height of the operator’s platform by simply moving the entire protective canopy to the left or the right.

Moving the canopy is effective in shielding the operator from exposure to sun, rain or storm, thus providing protection while ensuring an ideal view of the milling edge.

The operator’s platform can be accessed conveniently via access ladders installed on both sides.

A hot-air blower installed in the platform’s footwell area ensures comfortable working conditions on cold days.

The guard rail can be moved to the outside if required.

... to suit the operator's working position
Wirtgen has developed an ultra-precise, proprietary leveling system including a software specifically designed for cold milling machines – LEVEL PRO. The overall system includes the clearly structured LEVEL PRO panel, a controller and several 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. An additionally computed reference value enables convenient control of the actual milling depth on both sides. In addition, the memory feature is very useful to program, store and invoke set values.
Two lifting cylinders with displacement sensors measure the milling depth at the protective side plates left and right.

A great variety of sensors can be integrated into the automatic leveling system, such as hydraulic milling depth, slope and ultrasonic sensors.

LEVEL PRO can be easily extended, for instance, by the multiplex system, laser leveling, or 3D leveling which uses the interface included in the system.

The multiplex system analyze the output of three sensors on each side of the machine, which is very useful to ensure perfectly level surfaces.
WIDRIVE – saving the intelligent way

Operating costs are highly dependent on consumables and milling performance. To minimize these costs, we have subjected more to the test than just the engine technology of our machines. All major machine functions have been linked to the operation of the diesel engines, including the travel drive, milling drum drive and conveyor drive, water spray system, 4-fold full-floating axle system and LEVEL PRO leveling system.

The result is WIDRIVE – the intelligent machine management system. WIDRIVE quickly becomes the operator’s invaluable assistant, managing numerous previously manual steps in the control of the W 210 / W 210i. The automated functions are thus carried out much more quickly, which results in maximum daily production rates and incredible fuel savings of up to 25%.
In case of pronounced engine lugging, the advance rate is adjusted so that the engines run in the optimal, automatically controlled load range.

WIDRIVE automatically controls the interaction between the two engines, adjusts the engine and conveyor belt speeds, or activates the ISC mode.

Water consumption is reduced by switching the water system on and off automatically and adjusting the spray pressure to the milling output.

WIDRIVE also lowers the environmental impact by further reducing exhaust gas emissions and noise levels of the ECO diesel engines – which have been designed with low fuel consumption in mind.
**W 210 – state-of-the-art dual engine concept**

Economical, powerful and environmentally compatible engine technology

- The engine technology used in the W 210 cold milling machine complies with the emission standards of EC Stage 3a / US Tier 3 or lower.

- The W 210 is equipped with two independently operating, powerful and economical ECO engines, the second engine being switched on or off as needed in the working situation.

- The fully electronic WIDRIVE machine management system enables both of the W 210’s engines to always work in the optimal performance and torque ranges, at extremely low fuel consumption rates and low operating costs.
The W 210i features state-of-the-art engine technology for lowest environmental emission levels, complying with the stringent specifications of exhaust emission standards EC Stage 3b / US Tier 4i.

To ensure effective exhaust gas purification, both engines of the W 210i are equipped with a two-way catalytic converter integrated into the diesel particulate filter.

The WIDRIVE machine management system guarantees consistently high performance levels even under full load.

Operating costs of the W 210i are reduced further by the machine’s intelligent diesel engine control.
Revolutionary
“Dual Engine Concept”

It takes two to boost economic efficiency

Wirtgen is the first cold milling machine manufacturer worldwide to offer uncompromising performance characteristics and maximum efficiency by connecting two diesel engines by means of a multiple V-belt. Together, the two engines provide tremendous power, enabling the W 210 / W 210i to achieve unmatched performance levels. Only Engine 1 is in operation in those conditions where the performance level required to achieve the specified results is low. This offers significant advantages: deactivation of engine 2 results in lower noise emission levels, the operator is exposed to fewer vibrations, and lower exhaust gas emission levels cause less harm to the environment. It goes without saying that diesel fuel consumption rates are also lowered to a significant extent.
While engine 1 drives all functional groups, engine 2 is switched on automatically or at the flick of a switch for full milling power.

Engine 2 is switched off automatically in certain situations, for example, when initiating the transport mode or when stopping the traction drive for three minutes or longer.

The operator decides for himself whether to switch engine 2 on or off when milling at partial engine load or during fine milling applications.
PTS – always parallel to the road surface

Parallel alignment of the W 210 / W 210i milling machine

It takes quite a lot to throw the W 210 / W 210i off balance. Its stability is based on PTS: the intelligent automatic system aligns the machine parallel to the road surface in a dynamic process without requiring major manual adjustments by the operator. The front and rear track systems are lowered evenly and in parallel to each other. In addition, the 4-fold full-floating axle that forms part of the PTS system quickly and reliably balances out any irregularities transverse to the direction of travel. The effective stability control of the W 210 / W 210i pays off quickly – it ensures precise maintenance of the milling depth and speeds up the entire work process without the operator having to intervene manually.
Surface irregularities are compensated via the machine’s four lifting columns, which are interlinked hydraulically.

The machine adheres to a course parallel to the road surface in both milling and transport mode.

The optimized machine balance relieves the operator and enhances the stability of the W 210 / W 210i.

PTS additionally comprises a supporting automatic function for commencing the milling operation at the set milling depth.
ISC – gaining ground quickly the intelligent way

Automatic rear axle tracking ensures highly accurate milling even in narrow bends.

Electronic system for optimal traction and maneuverability

Work on milling sites is often made difficult by rough and uneven terrain. The magic word is – traction. Optimal, uniform traction is ensured by the intelligent ISC track control system: electronic traction control minimizes the slip of individual crawler track units even in difficult milling situations. In addition, ISC keeps the machine’s advance rate within the optimal engine load range, and electronically aligns the cornering speeds of the inner and outer crawler tracks, thus minimizing track pad wear. The W 210 / W 210i has even more to offer: small turning radii, freely selectable steering functions and height-adjustable crawler tracks offer excellent driving properties.
Feeling at home on any kind of ground

Four large crawler track units and a smooth hydraulic all-track steering system guarantee excellent maneuverability of the machine.

The machine’s advance rate can be continuously adjusted from zero to maximum speed in both milling and travel gear.

For perfect milling results, the steering angles of the front and rear axles are coordinated, and the rear axle is tracked automatically.

Amazingly small turning circles because of the large steering angles of all four crawler tracks

Crab steering enables the machine to precisely approach existing milled cuts

Working independently of the level selected, the parallel sliding block guide ensures precise steering

The high-lift, separately height-adjustable crawler tracks result in ideal ground clearance and permit difficult driving maneuvers.
High milling power originates from cutting-edge technology

Wirtgen milling drums are the right choice both for milling at full working depth ...

... and for the removal of surface courses

Milling drums geared towards high productivity

Cutting technology is a science in its own right that we from Wirtgen have mastered to perfection – from the use of high-quality, highly wear-resistant materials to extensive manufacturing expertise and highly precise, application-specific positioning of the cutting tools. The broad range of different types of milling drums enables an equally broad range of applications. Wear and tear has been minimized in favor of extended durability so that heavy-duty milling drums from Wirtgen will ultimately always prevail in tough everyday conditions on the job site.
Optimized toolholder arrangement ensures excellent milling performance, a precise milling texture and low-vibration operation of the machine.

Special edge segments or edge tools ensure clean milling edges, in particular when driving through bends.

Centrally arranged ejectors ensure reliable transport of the milled material from the drum housing to the primary conveyor.

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

The heavy-duty ejectors made of highly wear-resistant steel are suitable for multiple use.

Heavy-duty design and intelligent tooling.
HT11 makes the W 210 / W 210i even more economical

Long service life in even the toughest jobs

Our heavy-duty HT11 quick-change toolholder system has been designed for tough everyday use on the construction site and minimizes breaks in operation. This is ensured by the use of particularly wear-resistant materials, perfect tool rotation and easy tool replacement – to name just a few of its many advantages. In addition, tool replacement can be facilitated by means of a hydraulic drum turning device and an additional seat mounted between the rear crawler tracks. Cutting tools can be replaced manually or using the pneumatic tool extractor. Tool replacement can be optimized further by means of hydraulic or battery-operated hydraulic tool extractors, which can be used to extract cutting tools effortlessly when the engine is switched off.
Milling drum assemblies 4’ 11”, 6’ 7” and 7’ 3” (1.5 m, 2.0 m and 2.2 m) wide

The W 210 / W 210i comes with a 6’ 7” (2.0-m) milling drum assembly in the standard package, with 4’ 11” (1.5-m) or 7’ 3” (2.2-m) wide assemblies being available as equipment options.

At a working width of 7’ 3” (2.2 m), a 14’ 3” (4.35 m) wide road surface (first lane and median strip) is milled off in two passes while a working width of 6’ 7” (2.0 m) would require three passes.

The 6’ 7” (2.0-m) and 7’ 3” (2.2-m) milling drum assemblies are suitable for use with the FCS Light system so that milling drums of equal width can be changed without difficulty.

All milling drum assemblies are welded from highly wear-resistant, heavy-duty materials.

Dimensions in American standard and mm:

<table>
<thead>
<tr>
<th>W 210 / W 210i with 4’ 11” (1.5-m) drum assembly</th>
</tr>
</thead>
<tbody>
<tr>
<td>Milling width: 4’ 11” (1,500 mm)</td>
</tr>
<tr>
<td>Milling depth: 0 – 13” (0 – 330 mm)</td>
</tr>
<tr>
<td>Tool spacing: 5/8” (15 mm)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>W 210 / W 210i with 6’ 7” (2.0-m) drum assembly</th>
</tr>
</thead>
<tbody>
<tr>
<td>Milling width: 6’ 7” (2,000 mm)</td>
</tr>
<tr>
<td>Milling depth: 0 – 13” (0 – 330 mm)</td>
</tr>
<tr>
<td>Tool spacing: 5/8” (15 mm)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>W 210 / W 210i with 7’ 3” (2.2-m) drum assembly</th>
</tr>
</thead>
<tbody>
<tr>
<td>Milling width: 7’ 3” (2,200 mm)</td>
</tr>
<tr>
<td>Milling depth: 0 – 13” (0 – 330 mm)</td>
</tr>
<tr>
<td>Tool spacing: 5/8” (15 mm)</td>
</tr>
</tbody>
</table>
FCS Light increases flexibility and machine utilization

High levels of utilization are a key factor in the profitable operation of large cold milling machines. The W 210 / W 210i fully meets this requirement when equipped with the FCS Light Flexible Cutter System: milling drums of equal working widths – but with different tool spacings – can be changed with very little effort. The system’s real-life design and supporting tools, such as a special mounting carriage, allow the drums to be changed in an extremely short period of time. In this way, a single cold milling machine can remove wheel ruts on a country road, prepare a surface for the application of a thin pavement layer by means of fine milling, or remove the coating from an asphalt or concrete pavement when equipped with a micro-fine milling drum. FCS Light is available for the 6’ 7” and 7’ 3” (2.0-m and 2.2-m) wide milling drums.
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.
An intelligently designed, unified whole

The milling drum assembly of the W 210 / W 210i offers an extremely high degree of flexibility. The hydraulically height-adjustable protective left and right side plates permit precise milling along road fixtures. The scraper blade is raised and lowered hydraulically in order to load all or part of the milled material, or to leave it behind in the milled cut. To prevent any collisions during maneuvering, the gradation control beam, scraper blade and side plates are raised together automatically with the lifting columns when in transport mode. To ensure optimal tool cooling, 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 feature increases tool durability and reduces the generation of dust.
Always the maximum milling depth

The right-hand side plate can be raised by a total of 18" (450 mm).

Accurate milling along curbs is possible even at maximum milling depth.

Milling flush to curb down to the full working depth

Dimensions in American standard and mm:

The side plate on the right side of the machine can be raised by 18" (450 mm).

Accurate milling flush to curb is also possible at great working depths, enabling the side plate to move over the curb for the purpose of level detection.

This feature is perfectly suited for full depth removal of road pavements that extend right up to the curb.
The power of the W 210 / W 210i is provided by the machine’s mechanical milling drum drive. Its strong point is the exceptionally high degree of efficiency. An automatic belt tensioner ensures uniform power transmission, while the power belts absorb peak loads and reduce the load exerted on the various components of the drive system. Additional marks in favor of the tried and tested drive design are reduced fuel consumption rates, high wear resistance and ease of maintenance.
The innovative automatic system used to initiate the milling process ensures that the surface can be milled to the maximum depth of 13" (330 mm) from the very first yard.

When the automatic leveling system is engaged, the lifting columns and rotating milling drum are lowered automatically at maximum speed.

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 milling machine retains its parallel alignment – no time is wasted on complex manual lowering operations front and rear.
Vacuum cutting system offers a pleasant working environment

When developing the W 210 / W 210i, particular attention was paid to the health and 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 vapor 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 better air quality and visibility in the working environment of the machine operator and ground crew members significantly improves the working conditions and boosts staff performance.
With its innovative extraction technology, the vacuum cutting system ensures perfect visibility of the milling edge during the day and at night.

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

The extraction system pays off quickly because less effort needs to be put into cleaning the machine.

Further benefits of the innovative extraction system are adjustable suction power and easy access for servicing and maintenance.
Clearing job sites the professional way

Making short work of the milled material

Prompt transport of the milled material from site significantly contributes to the smooth completion of large milling projects. Accordingly, as many trucks as possible need to be loaded within the shortest possible time. Our W 210 / W 210i large milling machine has no problem at all with mastering this job, as its conveyor system easily copes with clearing many tons of milled material due to extremely high conveyor capacity and drive power.
The conveyor system is equipped with automatic, continuously adjustable belt speed control.

The belt speed can also be adjusted manually to achieve perfect distribution of the milled material on the truck by setting a variable discharge range.

The operator’s platform of the W 210 / W 210i provides a good view of the discharge conveyor and the truck driving in front.

A stoplight system incorporated in the electric mirrors enables a visual mode of communication with the truck driver without needing to revert to audible signals.
A conveyor that suits all requirements

// Operations on a milling site are often held up only because the loading system is lacking in flexibility. Large slewing angles of 60° to both sides are an essential flexibility criterion of the conveyor system installed in the W 210 / W 210i. It enables highly demanding loading procedures to be effected smoothly in narrow bends or sections where space is limited. High daily production rates can thus be easily achieved in those areas as well. Reliable conveying of the milled material is ensured by the 33” (850 mm) wide belt with rugged cleat profile.
The heavy-duty gradation control beam prevents the formation of large slabs, promotes favorable particle sizes and protects the belt from damage.

The hydraulically folding discharge conveyor design significantly reduces the transport length of the W 210 / W 210i.

The conveyor capacity remains constant even in the event of engine lugging.

The WIDRIVE machine management system reduces costs by stopping the conveyor automatically during reversing and in transport mode.
Intelligent maintenance pays off

Quick maintenance ensures maximum availability

Enabling the operator to complete maintenance procedures quickly and reliably is a major criterion for ensuring the optimal availability of a machine on the construction site. The engine compartment of the W 210 / W 210i opens at the push of a button, and the service panels can be slewed wide open. The few points of maintenance are arranged in a clear pattern and offer easy access from the ground or from the operator’s platform. Maintenance procedures on the filters, engine or hydraulic system are completed in a few simple steps. As a result, the W 210 / W 210i is always in top shape and prepared to deliver top milling results. And the operator is happy, too.
Great ease of maintenance

The hydraulically opening, hinged engine cowling and wide-opening service panels on each side ensure full access to all points of maintenance.

The automatic on-board diagnostics system of the machine independently monitors valves, sensors and control components.

The water system and hydraulic high-pressure cleaner enable thorough cleaning of the W 210 / W 210i regardless of the machine’s location.

Ample space for storing the comprehensive tool kit, wearing parts and high-pressure cleaner.

On-board maintenance

diagnostics and parameter settings via the control panel

Ample space: all filters are within easy reach and can be replaced effortlessly.
Ready for operation – whatever the time of day

Road construction projects are often carried out under tremendous time pressure, making it impossible for milling jobs to care about adverse weather conditions, darkness or even night time. This is where the generous lighting equipment of our versatile large milling machine comes into play. Numerous adjustable spotlights are attached quickly and easily to fully illuminate the main working areas of the W 210 / W 210i. In addition, lighting balloons are available to light up extensive parts of the construction site. At the end of the day, the first-class lighting system is a prime component when it comes to extending the capacity of the W 210 / W 210i.

Good lighting for perfect operation at night

- Hydraulically operated electrical generator to connect up to two lighting balloons
- Backlit control panels permit working in darkness
- Lighting balloons offer excellent visibility at night
Machine transport without detours

The folding conveyor design reduces the overall transport length of the W 210 / W 210i and permits the use of smaller transport vehicles.

Removable supplementary weights enable transport of the W 210 / W 210i 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 equipment options includes conveyor support legs for machine transport on a low-bed trailer.

Easy transport of the W 210 / W 210i on a low-bed trailer

The canopy can be folded down hydraulically for transport
Setting the standard in active environmental protection

The W 210 / W 210i is leading the way

Wirtgen product innovations have been systematically implemented in the development of the W 210 / W 210i to minimize fuel consumption rates and environmental emission levels. WIDRIVE is the key to the high degree of environmental compatibility: the intelligent machine management system not only achieves a significant reduction in diesel fuel consumption but also reduces exhaust gas emissions, noise levels and vibrations from the engine. Different engine or milling drum speeds, which can be selected in line with the milling job, ensure exceptionally low fuel consumption. This is complemented by the efficient “Dual Engine Concept” as the intelligent interplay of the two economical diesel engines increases the environmental friendliness of the W 210 / W 210i even further.
The engine of the W 210 complies with the specifications stipulated by exhaust emission standards EC Stage 3a / US Tier 3; the engine of the W 210i complies with those stipulated by EC Stage 3b / US Tier 4i.

The effective VCS extraction system used to evacuate fine material particles reduces dust emission in the area of the milling drum housing.

Noise emission is reduced further by the efficient sound insulation of the engine compartment and anti-vibration engine support.

The stoplight system used to communicate with the truck driver replaces the loud horn when working at night.