



Versatile, economical, professional
Cold Milling Machine W 2000



Always in top shape – high-performance cold milling machine W 2000



Its versatility makes this large milling machine so efficient

For professional contractors requiring a versatile road milling machine with high performance reserves, the tried and tested W 2000 paves the way to an all-round success. This multi-purpose machine in the range of Wirtgen large milling machines of the 2-m class achieves excellent results in particular in the removal of pavement surfaces on a large scale – the state-of-the-art, robust diesel

engine providing sufficient power regardless of the job at hand. In addition, the innovative FCS Light ensures that even micro-fine milling jobs are completed to the highest quality standards. At the end of the day, it is the wide range of applications that makes the compact W 2000 such an economically efficient machine.



◀ The W 2000 front loader proves to be a master of its craft on all kinds of milling sites

▼ Reliable machine technology and a new, appealing design

Working width of 2.20 m as an option



▣ The Wirtgen Flexible Cutter System Light (FCS Light) greatly enlarges the range of applications of the W 2000.

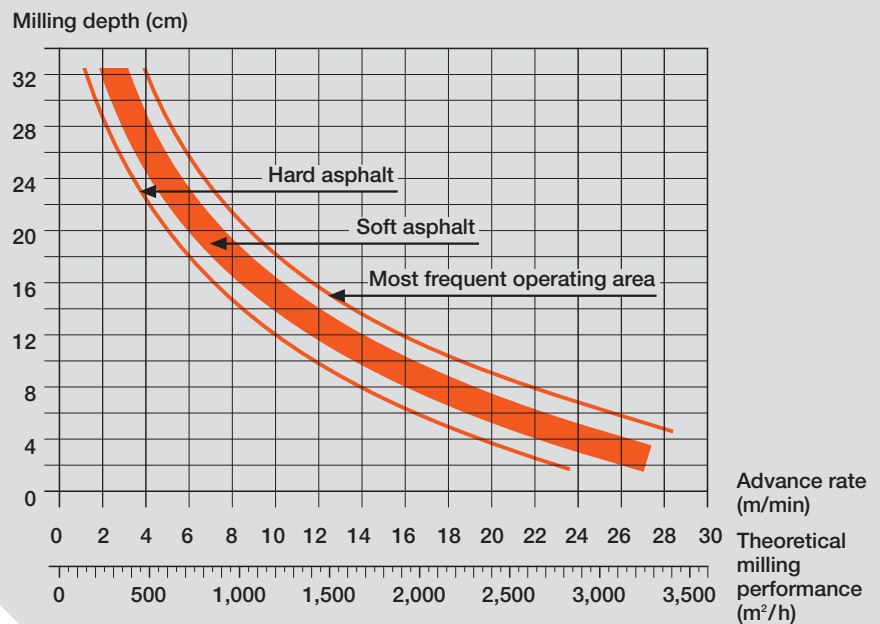
▣ The working width can optionally be extended to 2.20 m to enable even more applications and make the machine even more efficient.

▣ The LEVEL PRO automatic levelling system guarantees accurate, high-quality milling results.

▣ The experience and expertise gained in the manufacture of over a thousand W 2000 machines and in countless jobs have been utilized to the benefit of this highly mature machine.

Compact 2-m milling machine with high performance reserves

Extremely high milling output



▲ The W 2000 large milling machine efficiently removes complete road pavements ...

... as well as individual pavement layers ►



▲ Theoretical milling performance of the W 2000

At home on construction sites big and small

Its milling width of 2 m and high engine power enable the W 2000 to mill large areas economically at maximum milling depths of up to 320 mm. Our large milling machine stands up to any comparison – regardless of whether the job demands the milling of individual pavement layers or the removal of entire road pavements. Its high milling performance and compact design ensure swift job completion

also, however, on small or medium-sized milling sites, such as the rehabilitation of an inner-city road pavement. The W 2000 is also eminently suitable for the low-cost rehabilitation of road surfaces by fine milling. The performance diagram of the W 2000 can be used to roughly estimate the machine's theoretical milling performance.

Effortless control of the milling process

The hydraulically retractable canopy is folded down into transport position at the mere flick of a switch ▶

Move control panel plus canopy outwards – while retaining a perfect view of the milling edge ▼



Fully equipped operator's platform for unmatched operator comfort



Both control panels can be moved out over the edge of the machine ▲



The control panel has been designed with functionality in mind and is adjustable in height and tilt ◀

Mastering operation of the W 2000 quickly

Easy handling of the W 2000 enables highly productive work right from the start. Clearly arranged controls allow the large milling machine to be operated intuitively while the unambiguous symbols provide clarity and safety. In addition, the proprietary WIDIS 32 on-board information and diagnostic system developed by Wirtgen displays all parameters pertaining to the machine, engine and hydraulic

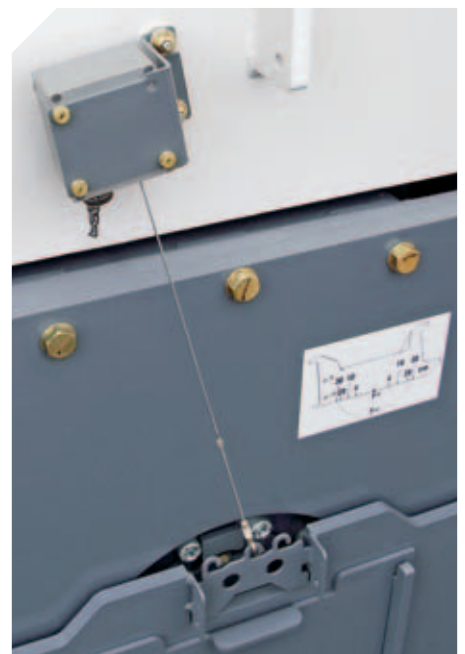
system. Ergonomic standards play an important role, too: anti-vibration mounted treads on the walk-through operator's platform add to the high degree of operator comfort. Last but not least, the control panels and driver's seats can be adjusted individually to allow efficient working in both standing and seated position.

LEVEL PRO guarantees top-class milling results



◀ The control panel has been mounted in the operator's direct field of view

Wire-rope sensors attached to the side plates accurately measure the milling depth on both sides ▶



Maximum ease of levelling

Wirtgen has developed a highly accurate, proprietary levelling system including a software that has been designed specifically for cold milling machines: LEVEL PRO. The overall system includes an operating panel, a controller unit and several sensors. The graphics-enabled LEVEL PRO screen shows key parameters in a clearly legible fashion.

For example, target and actual values for the left and right milling depth and slope parameters are clearly and unambiguously shown on the displays. In addition, the memory feature is very useful to program, store and invoke target values.

The optional electronic slope sensor
for milling pre-set cross slopes ▶



Cutting-edge
technology makes
work easier



▲ Scanning the surface in front of
the milling drum using a wire-rope
sensor (optional)

The clearly arranged operating
panel makes levelling easier ▶

Automatic
ON / OFF

Switchover
button

Set value

Actual value

Controller
output

Memory 1

Settings

Horn

Set value
UP / DOWN

Calibration

Cylinder
UP / DOWN

Memory 2



Large tactile switches enable the operator to enter or
correct parameters quickly and safely.

A great variety of sensors can be integrated into the au-
tomatic levelling system as and when required, such as
wire-rope, slope and ultrasonic sensors.

The optional multiplex system can be used to perfectly
compensate irregularities in longitudinal direction.

The multiplex system analyses the output of three, five
or seven sensors on each side of the machine, which is
very useful to ensure perfectly level surfaces during fine
milling.

Wide range of applications ensures efficiency

Changing milling drums in no time with FCS Light



▲ The scraper blade can be swung open hydraulically for cutting tool replacement

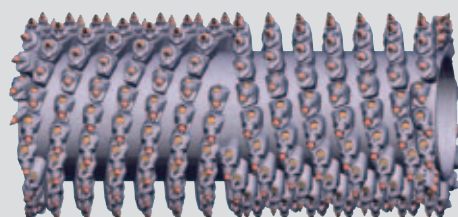
Range of milling drums for the W 2000 with a working width of 2 m ►



ECO cutter
Milling width: 2,000 mm
Milling depth: 0–320 mm
Tool spacing: 25 mm



Standard milling drum
Milling width: 2,000 mm
Milling depth: 0–320 mm
Tool spacing: 15 mm



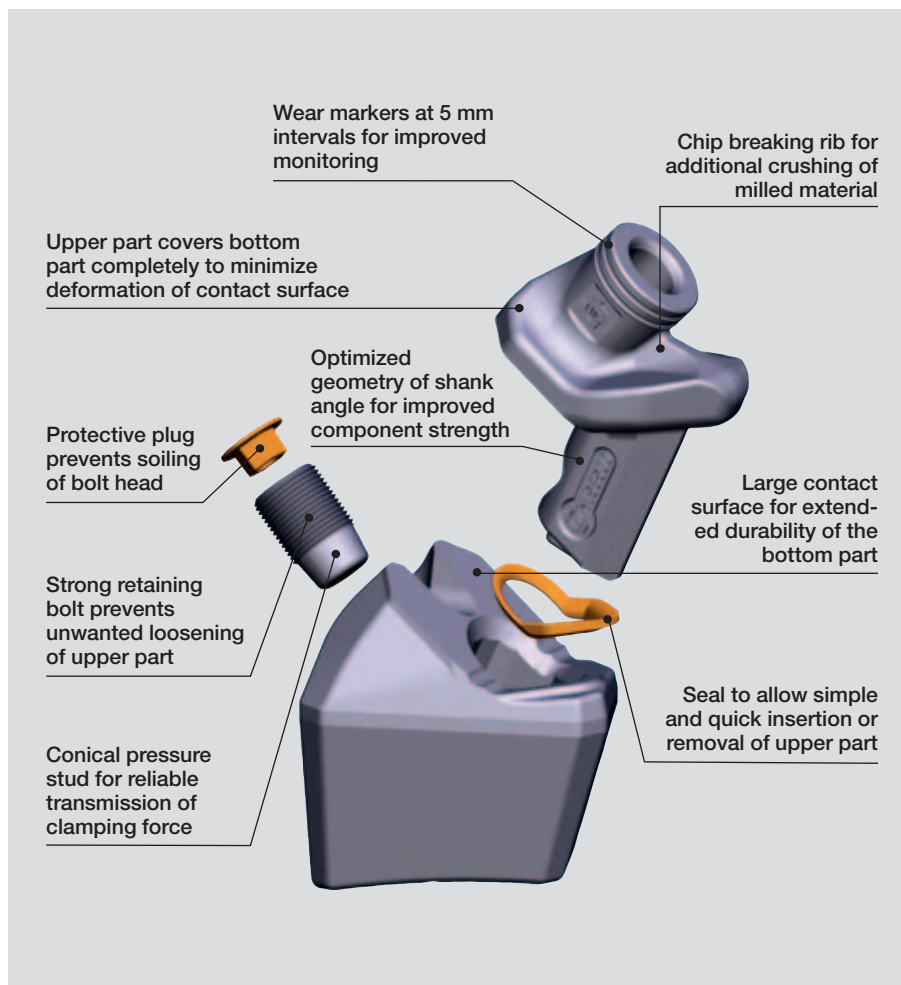
Fine milling drum
Milling width: 2,000 mm
Milling depth: 0–100 mm
Tool spacing: 8 mm

Adds even more versatility: the 2.20 m housing

/// Versatility is what makes a cold milling machine economical! The Flexible Cutter System Light (FCS Light) enables the W 2000 to be equipped with milling drums of various tool spacings. From deep milling using the eco cutter or standard milling drum to fine milling or micro-fine milling – the W 2000 completes a wide range of demanding jobs all on its own. In addition, a housing extension enables

the W 2000 to be upgraded for 2.20 m wide milling drums – for an even wider range of applications and greater efficiency. It goes without saying that both side plates are adjustable in height hydraulically. The same applies to the scraper blade: it can be adjusted in height hydraulically in order to load all or part of the milled material, or to leave it behind in the milled cut.

HT11 makes operation of the W 2000 even more economical



For high productivity



Optimized toolholder arrangement on the milling drum ensures a clean milling texture

HT11 quick-change toolholder system: tools for the pros

Long service life in even the toughest jobs

Toolholders are subject to a high degree of stress and strain. Our patented HT11 quick-change toolholder system has been designed for demanding everyday use on the construction site, extending uptimes and significantly cutting operating costs. Clear marks in favour of the HT11 system are the use of particularly wear-resistant materials, additional tool cooling enabled by an optimized toolholder

design, as well as ease of use and maintenance. The integrated water spray system provides highly effective cooling of the cutting tools, thus extending their service life. Additional features, such as the hydraulically opening scraper blade, dual seats at the rear crawler track units and pneumatic cutting tool extractor, ensure quick and easy replacement of cutting tools.

Flexible, high-performance loading of milled material



▲ The discharge conveyor can be raised hydraulically

Effectively closed transfer zone from primary to discharge conveyor ▼

▲ The conveyor in folding design simplifies transport

The hydraulically height-adjustable gradation control beam prevents the pavement from breaking into big slabs ►



The conveyor keeps up with any milling speed

Fast, efficient transport of the milled material away from the job site makes a significant contribution to ensuring smooth progress of the milling operation. The loading system of the W 2000 effortlessly copes with transport requirements even when fully utilizing its enormous milling capacity: the conveyor's wide slewing angles enable one

truck to wait on the side while another, driving alongside the machine, is still being loaded. The great discharge height and variable belt speed enable large trucks to be loaded to full capacity. The operator's platform provides a good view of the discharge conveyor and the truck driving in front.



For high daily
production rates

... ensure perfect
adjustment to conditions
on the construction site ▼

▲ Wide, steep-incline conveyor
belt with rugged cleat profile to
ensure reliable transport of the
milled material

Wide slewing angles of 45°
to the left and right ... ►



▮ The 800 mm wide conveyor belt ensures swift loading
even when large amounts of material need to be con-
veyed.

▮ The manually adjustable discharge conveyor belt speed
ensures a flexible discharge pattern, thus permitting
articulated trucks to be loaded to full capacity.

▮ The hydraulically folding discharge conveyor reduces
the transport length of the entire machine.

▮ The gradation control beam is positioned right in front of
the milling drum, preventing the pavement from break-
ing into slabs and protecting the belt against premature
wear and tear.

Optimum traction regardless of the working situation

The W 2000 –
always on track



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

Crab steering enables the machine to precisely approach existing cuts ▼



Tremendous manoeuvrability

Whether manoeuvring on difficult ground, turning in one go, easy loading or approaching existing cuts in crab steering mode: the excellent driving properties of the W 2000 result in a lucrative time-saving potential. This favourable behaviour is ensured primarily by the smooth, hydraulic all-track steering system with manually selectable,

hydraulic flow divider that acts as a differential lock and guarantees uniform traction in particular in adverse conditions. The high-lift, individually height-adjustable crawler track units result in ample ground clearance. In addition, all four track units provide large steering angles, which allow the compact W 2000 to perform an amazingly small turning circle.

Intelligent maintenance pays off

All filters are within easy reach and can be replaced effortlessly ▶



Ensuring permanently high availability



Ample space for maintenance provided by the wide-open engine cowlings ▲

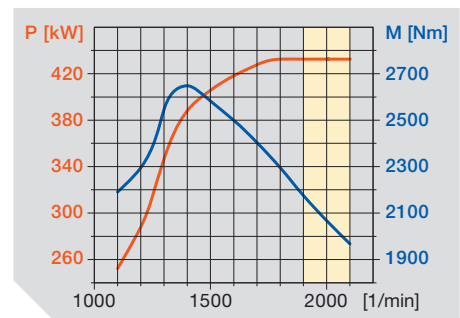
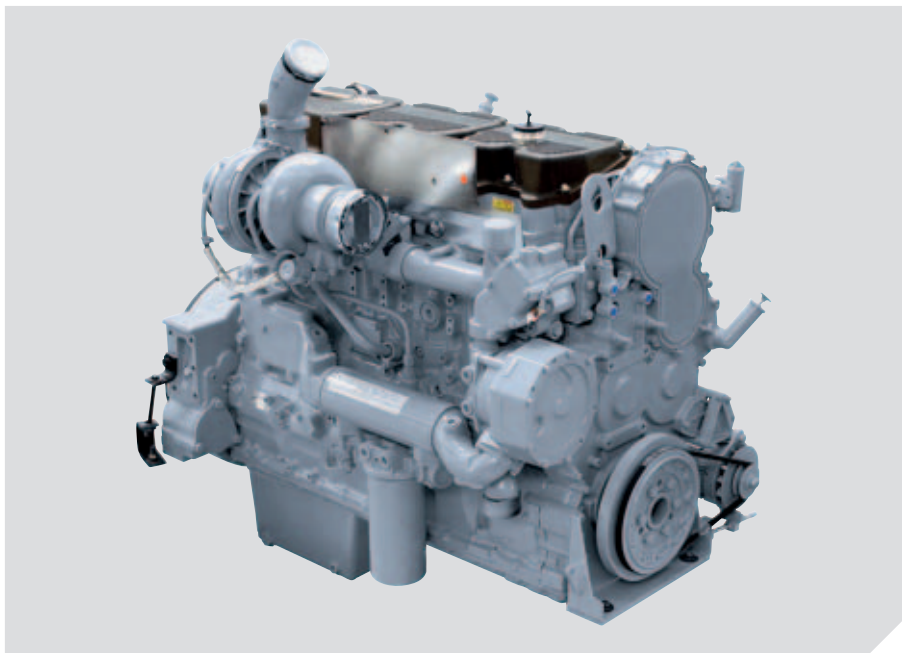
Hydraulically opening, hinged engine cowlings and wide-opening service panels on both sides ◀

Doing a quick check of the W 2000

Even though the W 2000 has been designed for long working days, a minimum amount of checking and maintenance needs to be done. This is not a big deal at all, however, as all important components are readily accessible without using tools. The wide-opening service panels provide full access to carry out all necessary maintenance and servicing procedures. In addition, lubrication and service

points have been grouped together intelligently in just a few places of the machine, and visual inspections are performed quickly from the operator's platform or from the ground. Ample storage space is available for tools, wearing parts or cutting tools. The overall operational availability of the W 2000 is increased significantly on account of this intelligent maintenance concept.

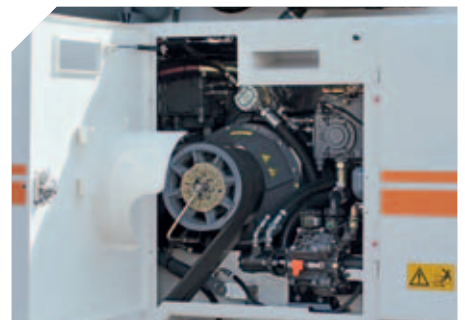
High-tech components and state-of-the-art production make for top quality



▲ Ideal characteristic curve:
the engine output remains constant
even at extreme engine lugging

▲ The heavy-duty diesel engine
offers an ideal combination of
power, torque and fuel consumption

“Made in Germany” – electrical
cabinet and hydraulic system ►



Components from manufacturers of good reputation

Over a thousand tried-and-tested W 2000 large milling machines have left the Wirtgen plant to date and have demonstrated their skills on countless job sites around the globe. This wealth of experience is continuously utilized to the benefit of the machine. In the process of selecting components for the W 2000, we additionally consider only those suppliers who meet the highest quality criteria in terms of

the durability, failure safety and strength of their products. A prime example of this is the state-of-the-art, economical diesel engine. The fully electronic machine control system ensures that it always works in the optimal performance and torque ranges. This minimizes fuel consumption and directly results in low operating cost.



High quality,
worldwide
customer service



Engineering and design in the
German main plant ▲

◀ Final assembly is performed
by skilled expert staff

Highly qualified German engineers and technicians are in charge of the engineering and design of the W 2000 machine.

The machines are manufactured in state-of-the-art production facilities by highly qualified expert staff and in mature production processes.

The global Wirtgen service network enables service technicians to be on location quickly, however remote the construction site.

The high-quality original spare parts from Wirtgen can also be supplied worldwide and at extremely short notice.



Wirtgen GmbH
Reinhard-Wirtgen-Strasse 2 · 53578 Windhagen · Germany
Phone: +49 (0) 26 45 / 131-0 · Fax: +49 (0) 26 45 / 131-242
Internet: www.wirtgen.com · E-Mail: info@wirtgen.com