





OVERVIEW OF HIGHLIGHTS

Perfectly Equipped

OPERATION

High-Precision Leveling

- > Milling depth control system with memory positioning
- > Optional high-precision LEVEL PRO PLUS leveling system fully integrated into the machine control system
- > Optional high-precision RAPID SLOPE sensor

Outstanding Visibility Concept

- > Perfect view at the milling edge and important work areas
- > Perfectly arranged LED working lights
- > Optional new camera system

03 Simple and Comfortable to Operate

- > Informative, multi-language color control display built into the right adjustable armrest
- > Multipurpose joystick with numerous automatic functions
- > Hydraulic machine height adjustment with two speed settings
- > Adjustable weather canopy



DRIVING AND STEERING

04 Excellent Maneuverability

- > Extremely small milling radii
- > Travel speed of up to 8 km/h
- > Pivotable rear right support wheel for flush-to-curb milling

05 Perfect Traction and Terrain Mobility

- > Powerfull all-wheel drive for maximum traction
- > Engageable flow divider for outstanding traction and maximum climbing
- > Ample ground clearance

MILLING AND LOADING

New Milling Drum Assembly Delivers Maximum Performance

- > New milling drum design with highly wear-resistant HT22 toolholder system
- > Tremendous milling depth of up to 200 mm sufficient for the removal of full asphalt packages
- > Individually hydraulically lifting side plates
- > Milling drum rotation device for rapid pick changes

07 Material Loading with Discharge Conveyor

- > High-capacity folding conveyor
- > Fast and easy to assemble and disassemble
- > Wide conveyor swing angles controlled via joystick



PERFORMANCE AND PRODUCTIVITY

08 Outstanding Milling Performance

- > Automatic load control system for maximum milling performance
- > State-of-the-art engine technology for low Diesel consumption
- > Three different milling drum speeds for powerful applications
- > Adjustable amount of water for low water consumption

09 Easy to Transport and Service

- > Compact machine design
- > Sturdy loading and lashing lugs for simple loading by crane
- > Intuitive multi-language machine diagnostic system
- > All service points easily accessible

HIGHLIGHTS IN OPERATION



Always Makes the Grade LEVEL PRO PLUS

Maximum Machine Control
Intuitive operating concept

Optional High-Precision LEVEL PRO PLUS Leveling System **Fully Integrated into the Machine Control System**

LEVEL PRO PLUS stands out due to its extremely precise milling results. The leveling system especially developed for cold milling machines is fully integrated into the machine control system, enabling a high degree of automation.

Optional High-Precision RAPID SLOPE Sensor

that the cross-slope profile is extremely precise. The cross-slope sensor makes it possible to work significantly faster while maintaining the same leveling quality.

Perfect View of the Milling Edge and Important Work **Areas**

The operator's platform offers an unobstructed view of the milling edge, of the right side plate, and of the milled surface at the rear of the machine.

Perfectly Arranged LED Working Lights

Perfectly arranged working lights make sure that the machine's entire surroundings are fully lit and the operator has always a perfect view.

Optional New Camera System

The camera system consists of one camera and a heavy-duty monitor. The monitor provides a high-resolution view of the loading situation from the camera at the end of the discharge conveyor.

Adjustable Weather Canopy

The height-adjustable canopy protects the machine operator from inclement weather, making work more comfortable.

The internally-developed, electronic RAPID SLOPE sensor ensures

01 Hydraulic Machine Height Adjustment with two **Speed Settings**

The new feature on the left-hand control console enables easy and highly precise adjustment of the machine height to the current working situation.

Multipurpose Joystick with Numerous Automatic Functions

Many important machine features have been grouped together intelligently in the ergonomically designed, intuitive multifunctional joystick and can therefore be performed with effortless ease. In addition, automatic functions have been included to make the operator's job easier.

Informative, Multi-Language Color Control Display **Built into the right Adjustable Armrest**

The adjustable right armrest combines innovative design with perfect user-friendliness. Important data is displayed on the color-controlled multi-language display, e.g. the digital milling depth indicator.

Milling Depth Control System with Memory Positioning

For fast, convenient height adjustment, it's possible to save up to three different height positions per machine side to memory buttons on the multifunctional armrest.



Colored multifunctional control display.

HIGHLIGHTS IN DRIVING AND STEERING





The right rear wheel can be pivoted rapidly.

Extremely Small Milling Radii

Large steering angles to the left and right guarantee extremely small milling radii of at least 550 mm (W 100 HR(i)) / 850 mm (W 130 HR(i)) and turning circles, e. g. for milling around manhole covers.

Travel Speed of up to 8 km/h

High travel speeds of up to 8 km/h allow the machine to be transported quickly between two job sites.

Pivotable rear right Support Wheel for Flush-to-Curb Milling

The rear right support wheel can be pivoted in front of the milling drum mechanically to allow flush-to-curb milling.

Powerfull all-Wheel Drive for Maximum Traction

The standard all-wheel drive system guarantees maximum traction in challenging site conditions and during loading.

Engageable Flow Divider for Outstanding Traction and Maximum Climbing

The engageable hydraulic flow divider guarantees consistently high traction and optimum climbing ability regardless of ground conditions.

Ample Ground Clearance

Ample ground clearance not only prevents the machine from being damaged by obstacles but also enables difficult maneuvers, such as reversing in the working pass or loading the machine onto a flatbed truck.



HIGHLIGHTS IN MILLING AND LOADING

New Milling Drum Design with Highly Wear-Resistant HT22 Toolholder System

The extremely wear-resistant **HT22** toolholder system (standard) minimizes downtimes and increases the service life of the entire milling drum.

Tremendous Milling Depth of up to 200 mm

The innovative milling drum assembly permits economical milling up to a tremendous depth of 200 mm. This allows complete asphalt packages to be removed in a single pass.

Individually Hydraulically Lifting Side Plates

Individually hydraulically lifting side plates effectively seal the milling chamber on both sides of the machine.

Milling Drum Rotation Device for Rapid Pick Changes

The hydraulically operated milling drum rotation device turns drum in both directions, which makes it easier and quicker to change picks.

High-Capacity Folding Conveyor

The 400-mm-wide discharge conveyor is equipped with a heavy-duty cleat profile to ensure materials are transported effectively. It can be quickly folded for easy transportation and to adapt to the conditions on site.

Fast and Easy to Assemble and Disassemble

A special coupling device enables the discharge conveyor to be attached or removed in a few swift steps by only one person. This increases the flexibility of the machine.

Wide Conveyor Swing Angles Controlled via Joystick

Wide conveyor swing angles of 25° each to the right and left, controlled by the joystick in the right armrest, make it possible to easily load material, even in difficult job site situations.





Intelligent milling drum design.

Easily Load Material

Wide conveyor swing angles

Maximum Life Span

01 New Milling Drum Design with Highly Wear-Resistant **HT22** Toolholder System 02 Tremendous Milling Depth of up to 200 mm Individually Hydraulically Lifting Side Plates Milling Drum Rotation Device for Rapid Pick Changes 05 High Capacity Folding Conveyor **06** Fast and Easy to Assemble and Disassemble 07 Wide Conveyor Swing Angles Controlled via Joystick E WIRTGEN W WIRTGEN

HIGHLIGHTS IN PERFORMANCE AND PRODUCTIVITY



Powerful, Cost-Efficient, and Environmentally Compatible

Three different milling drum speeds

04 Adjustable Amount of Water

- 05 Compact Machine Design
- O6 Sturdy Loading and Lashing Lugs
- O7 Intuitive Multi-Language Machine
 Diagnostic System
- All Service Points Easily Accessible



Automatic Load Control System

The electronic load limit controller integrated into the machine control system ensures that the machine remains in the ideal high-performance milling range.

State-of-the-Art Engine Technology

The engine speed adapts to the respective requirements for quiet operation and to minimize Diesel consumption, regardless of the milling depth.

Three Different Milling Drum Speeds

Milling drum speed one is selected for low Diesel and cutting tool consumption, milling drum speed two for maximum milling performance, milling drum speed three for the best milling surface quality.

Adjustable Amount of Water

The water injection quantity, which can be adjusted as required, ensures that water is used sparingly in every application.

Compact Machine Design

The machine's compact design not only enables quick turning and maneuvering on site, but also makes transporting the machine easier.

Sturdy Loading and Lashing Lugs

Sturdy loading and lashing lugs ensure the machine can be quickly and easily loaded by crane.

Intuitive Multi-Language Machine Diagnostics System

Thanks to the built-in machine diagnostics system, the operator is able to monitor the current operating data quickly on the multifunctional display in the right armrest - resulting in faster and more efficient operations.

All Service Points Easily Accessible

Excellent accessibility of all check points and points of maintenance minimizes maintenance requirements.

INNOVATIVE HT22 TOOLHOLDER SYSTEM



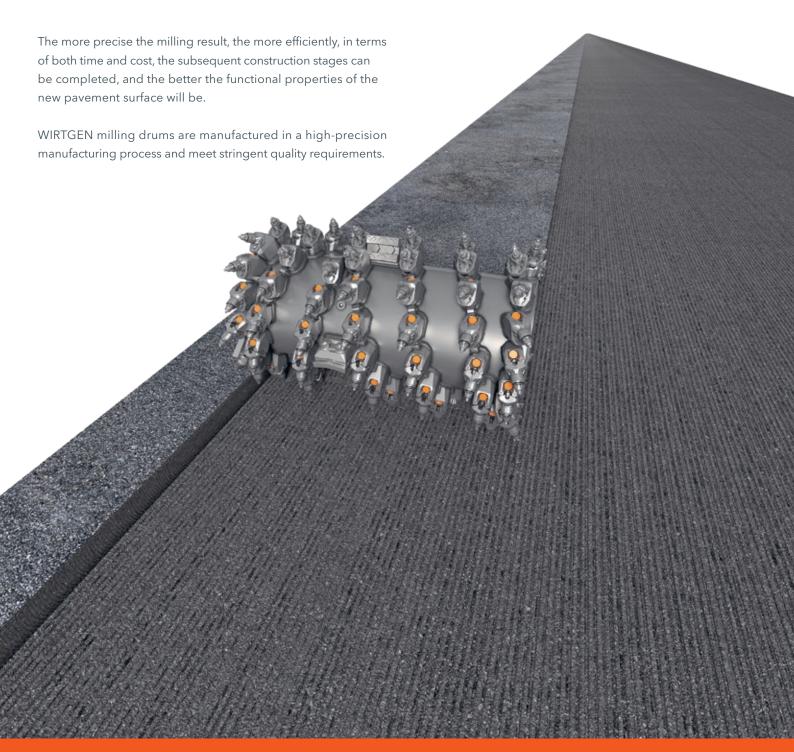
The **HT22** toolholder system stands out for its use of highly wear-resistant steel, increased wear resistance, and significantly extended replacement intervals. The rugged upper part can be replaced quickly and easily right on the job site.

HT22 Toolholder System in Detail

- Innovative centering marks on the tool contact surface in combination with **GENERATION** X² picks for maximum toolholder service life right from the start
- O2 Significantly larger, more durable, and self-centering contact surfaces on the top and bottom parts significantly extend the service life of the milling drum
- 07 09 08 05

- Increased wear volume in the shoulder section improves protection of the toolholder base when milling abrasive materials
- Reduced maintenance requirements due to longer intervals between torque inspections of the quick-change toolholder bolts (every 500 hours)
- Optimized shaft geometry with additional improved thermal processing to withstand extreme stress
- O6 Protective plug prevents bolt head from getting dirty
- 07 Heavy-duty retaining bolt
- O8 Seal between top and bottom part allows top part to be easily removed / inserted
- Bottom part covers top part completely for maximum protection
- Extra-large contact surface between top part andbottom part for longer bottom part service life
- Optimized welded joint with increased strength and flexibility for optimum pick rotation

HIGH-QUALITY MILLED SURFACES



ADDITIONAL VALUABLE OPTIONS



Additional Options that can be Ordered for the Basic Machine

Options can be preinstalled in the standard machine according to customer requirements.

01

LEVEL PRO PLUS Leveling System

Measurements are taken using wire-rope sensors on the right and left side plates. The milling depth is displayed on the **LEVEL PRO PLUS** operating display and can be set intuitively. The milling depth is controlled automatically. Additional preinstalled sensors are also available.

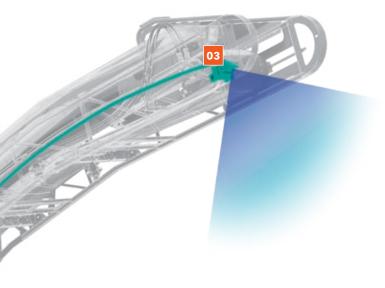


RAPID SLOPE Sensor

The **LEVEL PRO** *PLUS* leveling system can be expanded to include a **RAPID SLOPE** sensor. The cross-slope sensor is ideal, for example, for aligning the machine at a defined cross-slope to a one-sided reference.







Available Options that can be Added Later as a Retrofit Kit

Options can be retrofitted to the machine at any time at the customer's request. WIRTGEN supplies complete retrofit kits for this purpose that can simply be installed in the machine.

01 LEVEL PRO PLUS leveling system retrofit kit



02 RAPID SLOPE sensor retrofit kit



03 Camera system retrofit kit



03

Camera System

The camera system consists of one camera and a heavy-duty monitor. The monitor provides a high-resolution view of the loading situation from the camera at the end of the discharge conveyor.









The high-performance cold milling machine in the one-meter class is designed for cost-effective milling operations at working widths of 1.0 m or 1.3 m. Its high-capacity rear loading system conveys up to 92 m³/h and can be easily controlled by the multifunctional joystick. Three selectable milling drum speeds enable high milling performance regardless of the job situation.

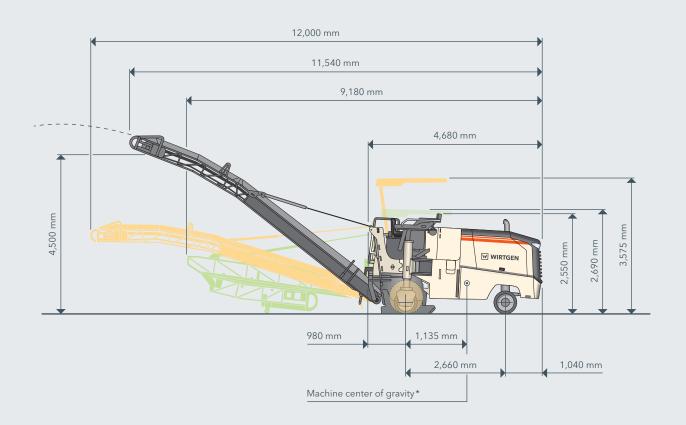


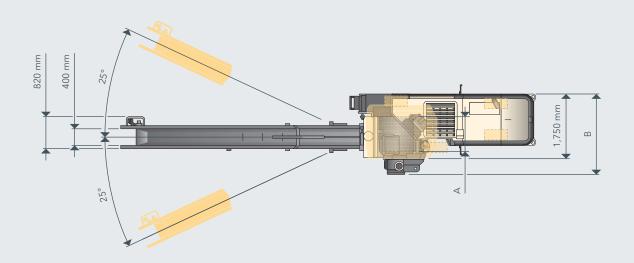
TECHNICAL SPECIFICATIONS	W 100 HR	W 130 HR	W 100 HR i	W 130 HRi	
Milling Drum					
Standard milling width	1,000 mm	1,300 mm	1,000 mm	1,300 mm	
Milling depth 1)		0 to 2	00 mm	'	
Cutting diameter		860	mm		
Engine					
Manufacturer	De	eutz	Donfeng Cummins		
Туре	TCD 201	2 L06 2V	B6.7		
Cooling		Wa	ater		
Number of cylinders	6				
Rated power at 2,200 rpm	155 kW / 208	155 kW / 208 hp / 211 PS		162 kW / 217 hp / 220 PS	
Displacement	6.1		6	7	
Fuel consumption at rated power at mix of job site operations	42 l/h 17 l/h		40 l/h	40 l/h 21 l/h	
Emissions standard	EU Stage 3a / US EPA Tier 3 / CN Stage 3 CN NR Stage 4		Stage 4		
Electrical System					
Power supply		24	4 V		
Tank Capacities					
Fuel tank		320			
AdBlue® / DEF ²⁾	-	-	25		
Hydraulic oil		80			
Water		700			
Driving Performance					
Max. milling speed		0 to 30 m/min (0 to 1.8 km/h)			
Max. travel speed		0 to 133 m/min (0 to 8 km/h)			
Tires					
Tire size, front (Ø x W)	620 x 230 mm				
Tire size, rear (Ø x W)	620 x 255 mm				
Loading of Milled Material					
Belt width of discharge conveyor	400 mm				
Theoretical capacity of discharge conveyor	92 m³/h				

TECHNICAL SPECIFICATIONS	W 100 HR	W 130 HR	W 100 HRi	W 130 HRi
Weight of Basic Machine				
Net weight of machine with discharge conveyor, without operating agents	13,000 kg	13,500 kg	13,300 kg	13,800 kg
Operating weight, CE ³⁾	13,600 kg	14,100 kg	13,900 kg	14,400 kg
Maximum operating weight (full tanks, full range of equipment)	14,200 kg	14,700 kg	14,500 kg	15,000 kg
Weight of Tank Contents				
Water	700 kg			
Fuel (0.83 kg/l)	265 kg			
AdBlue® / DEF ²⁾ (1.1 kg/l)	– 27.5 kg			
Additional Weight				
Operator and Tools				
> Machine operator	75 kg			
> 5 pick containers	125 kg			
> Vehicle tool kit	30 kg			

¹⁾ The maximum milling depth may deviate from the value indicated due to tolerances and wear.
2) AdBlue® is a registered trademark of the German Association of the Automotive Industry (VDA).
3) Machine weight, half-full tanks, vehicle tool kits, machine operator, excluding optional equipment

SIDE VIEW / TOP VIEW W 100 HR(i) / W 130 HR(i)

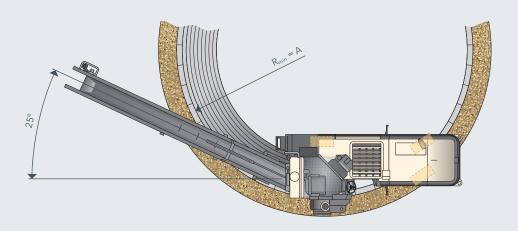


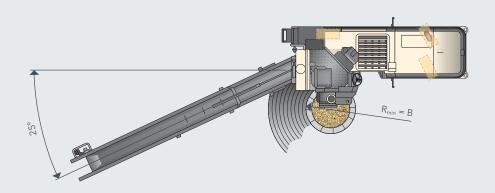


	A	В	
W 100 HR(i)	1,000 mm	2,150 mm	
W 130 HR(i)	1,300 mm	2,450 mm	

 $^{^{\}ast}\mbox{Based}$ on operating weight, CE with conveyor folded out

MILLING RADIUS W 100 HR(i) / W 130 HR(i), MILLING DEPTH 150 MM





	Α	В	
W 100 HR(i)	3,800 mm	550 mm	
W 130 HR(i)	4,100 mm	850 mm	

STANDARD EQUIPMENT	W 100 HR(i)	W 130 HR(i)
Basic Machine		
> Base machine with engine		
> Engine cover with noise insulation		
Milling Drum Unit		
> Wide opening scraper plate with automatic electric safety drum shutdown		
> Hydrostatic milling drum drive		
> Milling drum housing FB1000, milling depth 200 mm for use with discharge conveyor, including scraper		_
> Milling drum housing FB1300, milling depth 200 mm for use with discharge conveyor, including scraper	-	
> Side plate with hydraulic lifting function		
Milling Drums		
> Milling drum FB1000 HT22 PLUS LA18 with 80 picks		
> Milling drum FB1300 HT22 PLUS LA18 with 97 picks		
Loading of the Milled Material		
> Discharge conveyor, 8,020 mm long, 400 mm wide		
Machine Control and Leveling System		
> Digital milling depth indicator in the control display		
> Pre-programmable height positions with automatic positioning		
Operator's Platform		
> Continuous operator's platform with steering on right side		
> Canopy fiberglass manually lowering		
Track Unit and Height Adjustment		
> Infinitely variable, hydraulic all-wheel drive with three speed ranges		
> Solid tires		
> Hydraulic, easy front wheel steering		
> Digital representation on the display		
> For milling along kerb edges, the rear right support wheel can be swiveled mechanically in front of the milling drum		
> Hydraulically assisted spring-loaded brake		
Miscellaneous		
> Lighting system including 4 LED headlights and a rotating beacon		
> Water sprinkler unit with tank (700 I capacity)		
> Set of tools for maintenance and servicing		
> Standard painting in RAL 9001 (cream)		
> Mirror front right and left, mirror rear left		
> Lighting system including 5 LED working lights, 24 V		

OPTIONAL EQUIPMENT	W 100 HR(i)	W 130 HR(i)
Machine Control and Leveling System		
> LEVEL PRO PLUS leveling system right and left		
> RAPID SLOPE cross-slope sensor for LEVEL PRO PLUS leveling system		
Operator's Platform		
> Monitor system with 1 camera and an additional color screen		





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For further information, please scan the code.