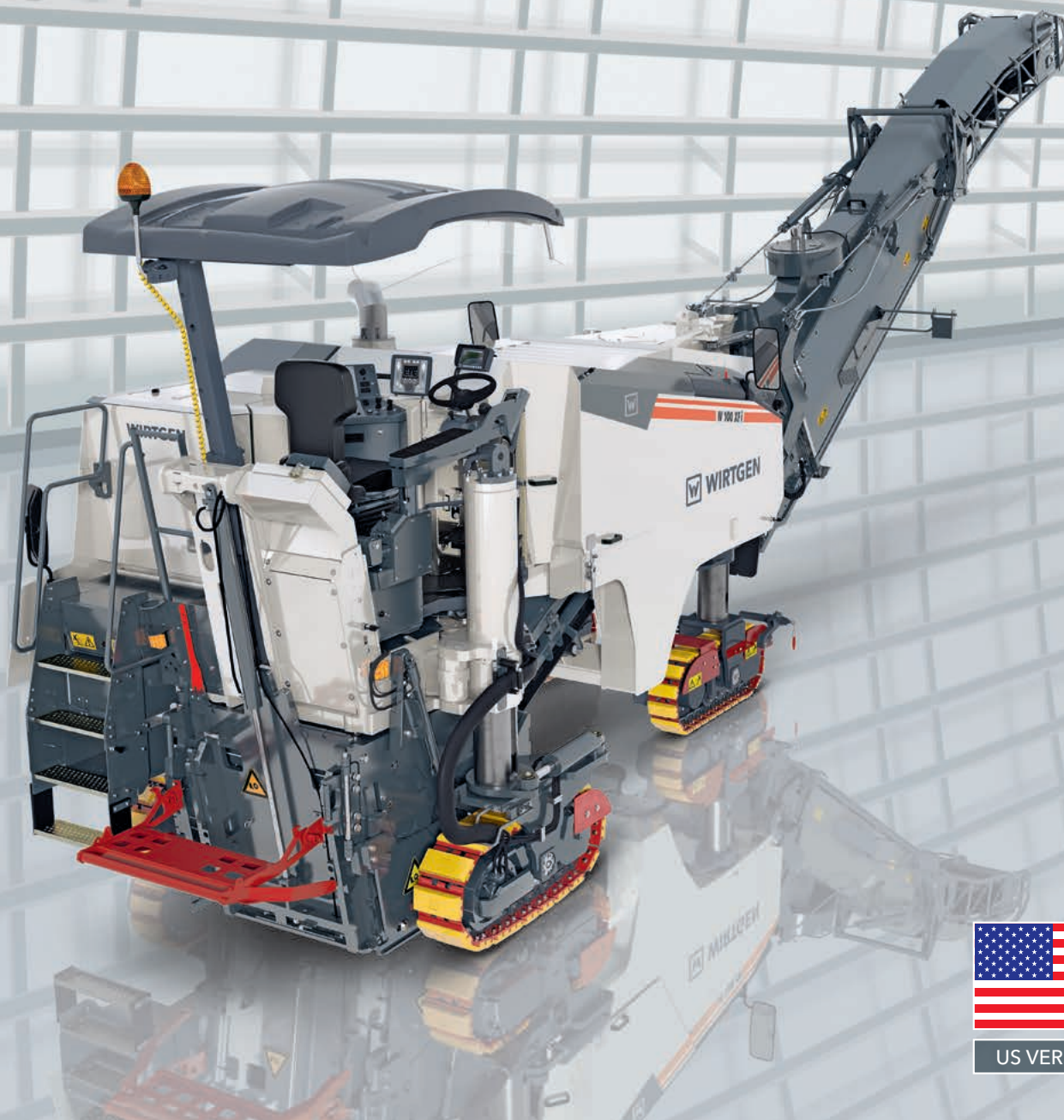


Compact front loader for a wide variety of milling jobs.

# Cold Milling Machine

W 100 XFi | W 120 XFi | W 130 XFi



US VERSION



# Compact front loader for a wide variety of milling jobs







The front loader in the one-meter class stands out due to its outstanding performance and flexibility with working widths of 3 ft 3 in (1.0 m), 3 ft 11 in (1.2 m) and 4 ft 3 in (1.3 m).

Compact dimensions and an optimized machine weight make the cold milling machine perfect for a wide range of job site operations.

The milling unit is located at the rear of the machine on the right hand side, allowing the machine to drive directly up to obstacles at the rear, for example when milling tie-ins.

The particularly large slewing angle and the speed of the front-loading conveyor belt can be flexibly adjusted for optimum material loading.

The state-of-the-art machine control system with the **LEVEL PRO PLUS** leveling system and the intuitive user interface make efficient one-person operation possible.



# Highlights of the cold milling machine at a glance

04  
05

## 1 | HIGH-PRECISION, INTUITIVE LEVELING WITH LEVEL PRO PLUS

- > Simple, intuitive operation
- > Fully integrated into the machine control system
- > Numerous additional and automatic functions
- > Milling depth measurement via displacement sensors installed in the hydraulic side plate cylinders

## 2 | EFFICIENT MULTIFUNCTIONAL ARMREST

- > Ergonomically designed multifunctional armrest with color control panel
- > Additional machine height adjustment function built into the multifunctional armrest
- > Scraper position indicated on the control screen
- > Job data displayed on the control panel
- > User-programmable favorites buttons

## 3 | UNPARALLELED VISIBILITY CONCEPT

- > Excellent forward visibility thanks to reduced chassis width on the right
- > Significantly improved visibility thanks to laterally adjustable operator's platform
- > High-quality camera/monitor system for viewing important working areas

## 4 | COMFORT AND ERGONOMIC DESIGN ON THE OPERATOR'S PLATFORM

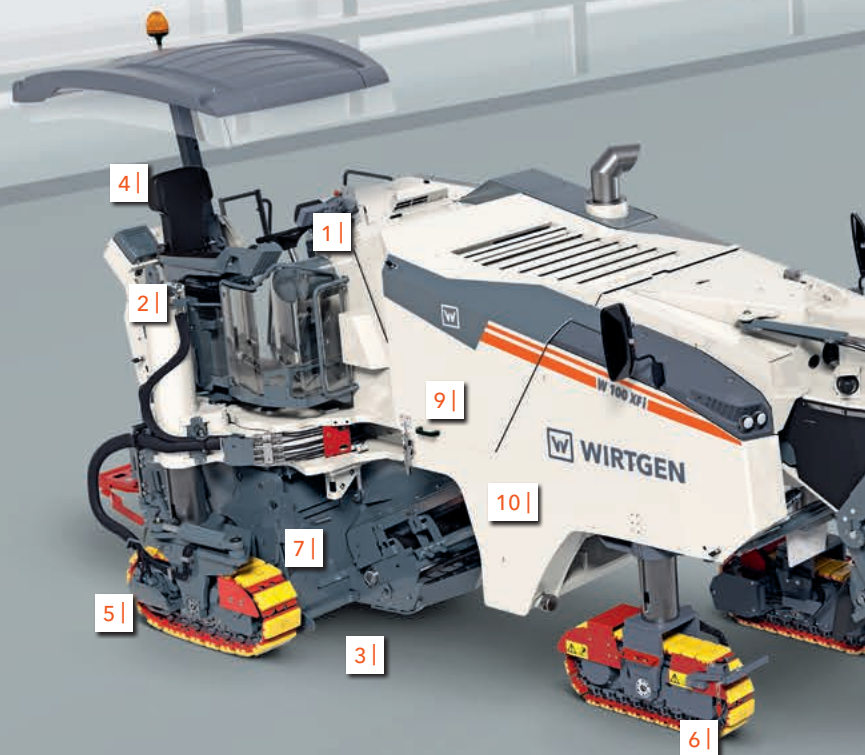
- > Ergonomically designed comfort operator's seat including seat heater
- > Easy access with "welcome and go home" lighting
- > Operator's platform features wind and weather protection elements

## 5 | QUICK-PIVOTING, RIGHT-HAND REAR TRACK UNIT

- > Rapid, automatic pivoting of the right-hand rear track unit without needing to lower the milling drum
- > Extremely robust sliding bearing
- > Heavy-duty crawler track design for rugged milling applications

## 6 | QUICK AND PRECISE MANEUVERING

- > Large steering angle for small turning radius
- > Right-hand rear track unit with automatic self-steering
- > High-precision steering via joystick in multifunctional armrest
- > Additional height adjustment in increments of 1 mm or 5 mm
- > "Stop-and-go" display for the truck driver





9 |

## HIGH-POWERED ENGINES FOR TREMENDOUS PRODUCTIVITY

- > State-of-the-art engine technology meets tough US EPA Tier 4f emissions standards
- > Impressive engine performance with high maximum torque
- > Battery-powered hydraulic unit with additional functions
- > Three different milling drum speeds
- > Automated water injection into the milling unit

10 |

## HIGH TRACTION AND OPTIMIZED WEIGHT

- > Automatic positioning function with relief sensors
- > Automatic WIDRIVE functions significantly reduce operator intervention, allowing for one-person operation
- > Compact dimensions and low weight for ideal transport conditions

8 |

7 |

## OUTSTANDING MILLING PERFORMANCE IN ANY APPLICATION

- > Milling drum rotation device and hydraulic pick ejector for fast pick changes
- > Hydraulically lifting side plates with proactive floating feature permitting automatic lifting on loose ground
- > Scraper raised automatically via overload sensor
- > Comes standard with highly durable HT22 quick-change toolholder system
- > Complete FCS option with easily exchangeable milling drums

8 |

## OUTSTANDING PERFORMANCE AND FLEXIBILITY WHEN LOADING

- > Wide conveyor slewing angles of 60° to the right and left
- > Two conveyor slewing speeds for high-precision material loading
- > VCS extraction system with optimized suction channel for minimum cleaning effort
- > Hydraulic folding conveyor for quick folding during operation on site
- > Quick-release coupling for easy mounting and removal of the discharge conveyor



# Operating highlights







### **A FOCUS ON ERGONOMICS**

Working in a relaxed and ergonomically optimized environment while keeping everything under control - this is a given with WIRTGEN's compact milling machine. Controls arranged for intuitive and ergonomic operation that provide the operator with important information at a glance. Innovative WIRTGEN assistance systems precisely implement the operator's commands. Easy operation and maximum productivity become one.



# High-precision, intuitive **LEVEL PRO PLUS** leveling system

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When milling it's important to remove the layers of asphalt at the specified depth. The intuitive WIRTGEN **LEVEL PRO PLUS** leveling technology can be relied on to precisely maintain the specified milling depth.

## **SIMPLE, INTUITIVE OPERATION**

The **LEVEL PRO PLUS** leveling system developed especially for cold milling machines offers easy and intuitive one-hand operation using the rotary knob, and the menu can be configured as desired. **LEVEL PRO PLUS** stands out due to its precise milling results.

## **FULLY INTEGRATED**

The **LEVEL PRO PLUS** leveling system is fully integrated into the machine control system, enabling a high degree of automation.

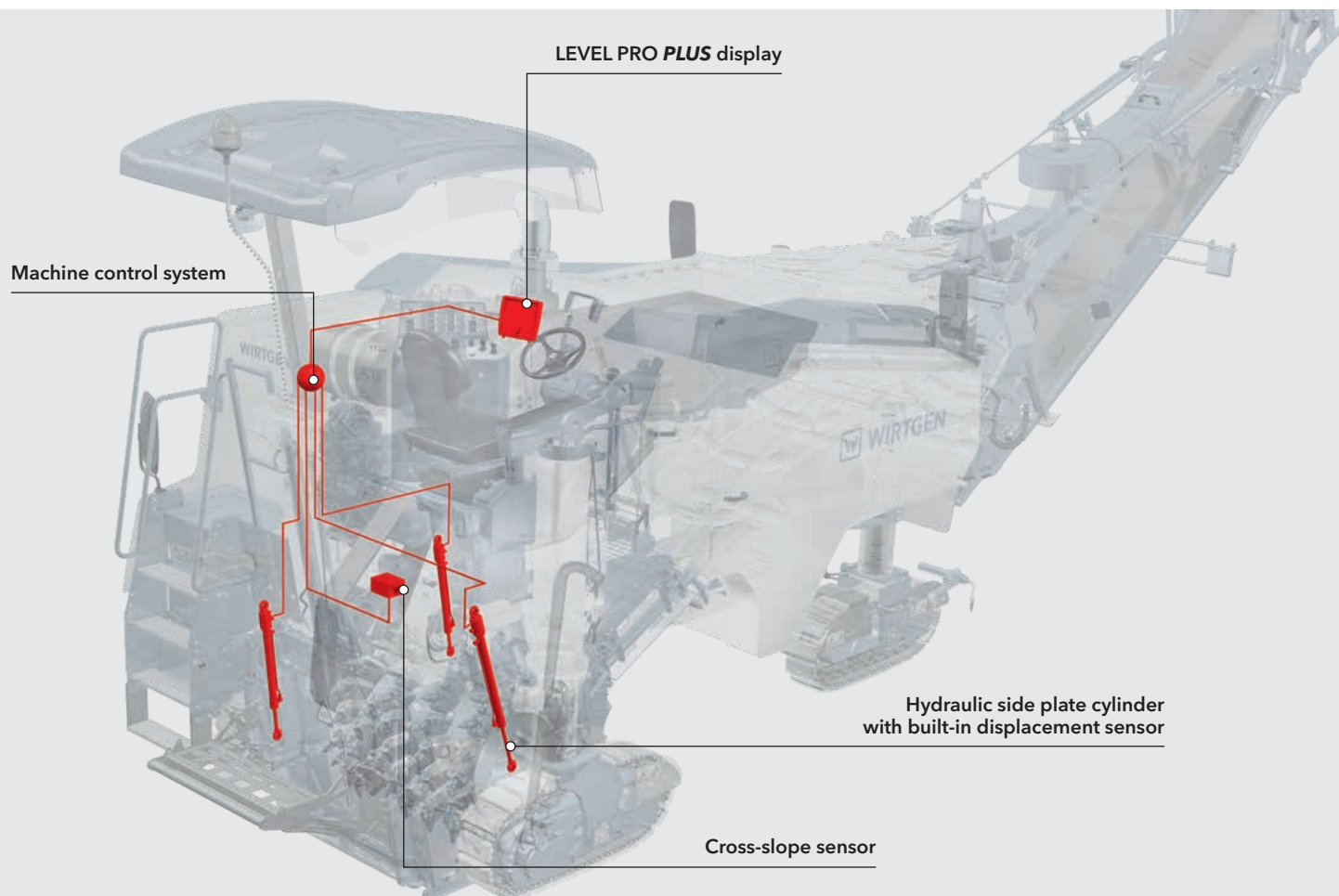
## **ADDITIONAL AND AUTOMATIC FUNCTIONS**

The **LEVEL PRO PLUS** leveling system offers many automatic and additional functions that make the operator's job easier. This also speeds up work processes.

## **DISPLACEMENT SENSORS**

The reference line is scanned via heavy-duty displacement sensors built into the hydraulic side plate cylinders and displayed directly on the high-resolution **LEVEL PRO PLUS** control panel.

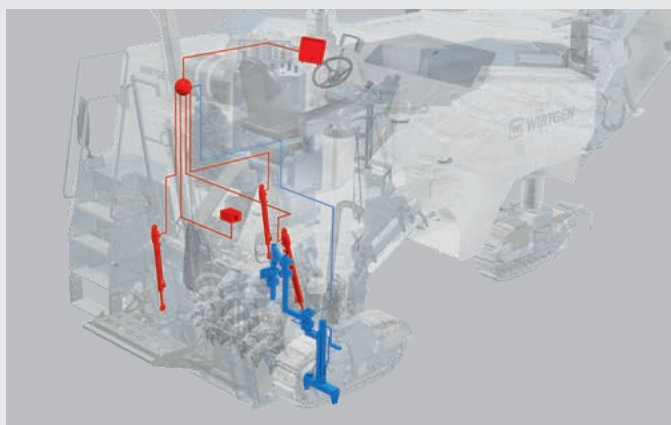
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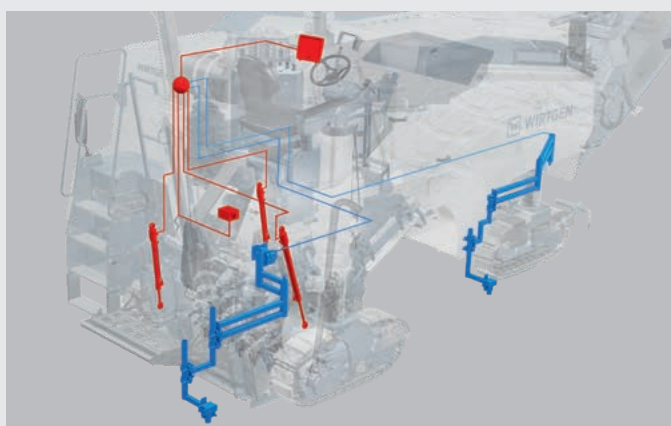


1 | The leveling system uses a variety of different sensors.

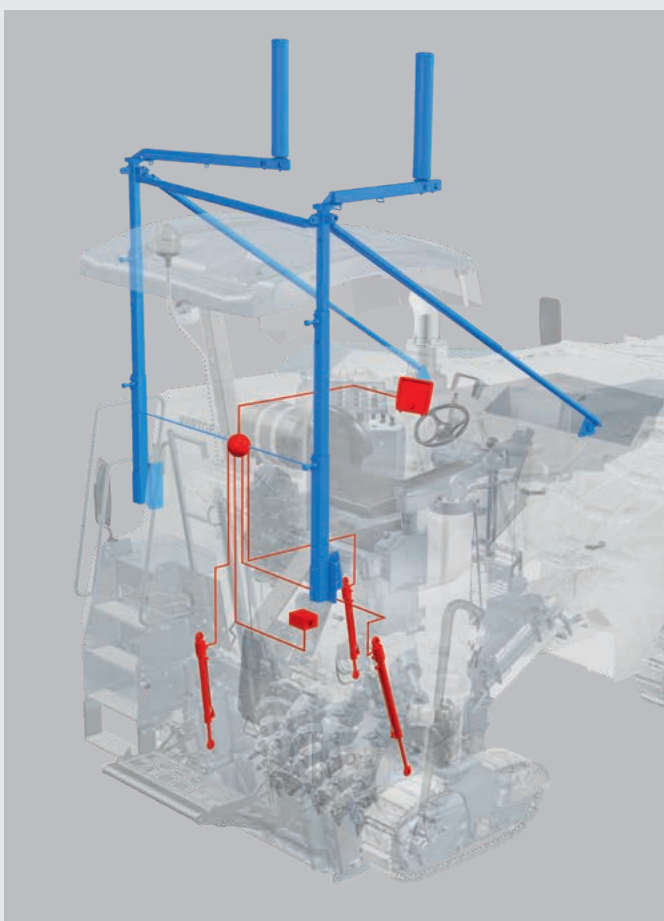
2 | **LEVEL PRO PLUS** is synonymous with perfect leveling quality at high operating speeds.



Sonic ski sensor



Multiplex system with up to four ultrasonic sensors



3D leveling/laser leveling



# Efficient multifunctional armrest

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The compact milling machine's efficient multifunctional armrest not only speeds up processes and improves results, but also results in a more satisfied operator.

## ERGONOMICALLY DESIGNED MULTIFUNCTIONAL ARMREST

The multifunctional, individually adjustable armrest combines innovative design with perfect user-friendliness. Important data is displayed on the color control panel. The multifunctional armrest is also perfectly integrated into the WIRTGEN cold milling machine family's standardized user interface, guaranteeing productive operation right from the start.

## ADDITIONAL HEIGHT ADJUSTMENT

The hydraulically proportional machine height adjustment including the milling depth memory feature is conveniently controlled via the multifunctional armrest.

## SCRAPER POSITION

The scraper position is detected by a displacement sensor and shown on the control panel.

## JOB DATA

Information like the weight and volume of the milled material, the size of milled areas, or the number of loaded trucks can be displayed automatically. This job data can be used to log daily performance.

## FAVORITES BUTTONS

Four buttons can be programmed with twenty different functions as required by the operator.

11





1 | The operator has everything under control with just one hand.

2 | The ergonomically designed operator's platform with multifunctional armrest significantly increases the machine's productivity.





# Unparalleled visibility concept

1 | *The camera's ability to see and display key work areas enhances performance and quality.*

2 | *The operator's platform offers an excellent view of the milling drum unit.*

Good visibility is critical to safe operations and rapid processes. The compact milling machine features an exclusive visibility concept.

## FRONT VIEW

The deliberately slim chassis offers a clear view of the milled edge from the front. The operator also has an excellent view directly in front of the milling drum unit.

## MOVABLE OPERATOR'S PLATFORM

The operator's platform can be hydraulically moved outwards by 7.9 in (200 mm) to provide an optimal view of the milling drum unit and the front right-hand track unit.

## HIGH-QUALITY CAMERA SYSTEM

The camera system consists of two or three cameras and a rugged monitor. The monitor displays high-resolution images of the loading situation, the right-hand side plate, and the area at the rear of the machine.





# Comfort and ergonomic design on the operator's platform

A wide variety of different equipment features, individual adjustment options, and features that make operating the machine easier significantly enhance operator comfort. The result is maximum productivity on site.

## COMFORT OPERATOR'S SEAT

The ergonomically designed, swiveling comfort seat with seat heater allows the operator to work in a relaxed manner. It also helps provide the operator an excellent view to the side and rear of the machine.

## "WELCOME" AND "GO HOME" LIGHTING

The access ladder and operator's platform can be brightly illuminated when approaching and walking away from the machine. The operator's platform can be easily accessed from the rear of the machine.

## WEATHER PROTECTION

Additional wind and weather protection elements on the operator's platform protect the operator from exposure to rain and wind.


**1 |** The machine's high comfort standards enable fatigue-free, productive working.









A white Wirtgen W 100 XFi road milling machine is shown from a side-rear perspective, operating on a narrow asphalt road. The machine is white with orange and grey accents. A worker in an orange safety vest is visible in the operator's cab. The machine is equipped with a large rear-mounted roller and a milling drum. The background features a steep, forested hillside with trees in autumn colors (yellow and orange) and a mountain range in the distance under a cloudy sky. A winding road is visible on the right side of the hill.

# Driving and steering highlights

## **AT HOME ON NARROW SECTIONS OF ROAD**

Tight spaces, immovable obstacles, permanent road installations - all a part of day-to-day life on the milling site. It's good to be prepared for situations like this. The compact milling machine offers intelligent features to help you achieve your goal without delay. More maneuverability, more control, more speed - for more productivity.



# Quick-pivoting right-hand rear track unit

When pivoted in front of the milling drum, the right-hand rear track unit allows precise milling along obstacles such as curbs or walls.

## AUTOMATIC PIVOTING

The right-hand rear track unit can be pivoted in front of the milling drum hydraulically from the operator's platform to allow milling along curbs or other obstacles - without having to lower the milling drum to the ground. This process can be completed extremely quickly in thirty

seconds or less. And since the milling drum is not in contact with the ground during the pivoting process, there is no risk of damage to the picks or the milled surface.

## HEAVY-DUTY TRACK UNIT DESIGN

The pivot arm's rugged design with only two pivot points makes tough milling operations and precise pivoting of the right-hand rear crawler track into and out of the machine possible.





### FIRM LOCKING

The sturdy connection of the right-hand rear track unit to the chassis in the final position minimizes wear and increases precision.

### EXTREMELY RUGGED SLIDING BEARING

The rugged, wear-resistant sliding bearing minimizes play in the kinematics, guaranteeing consistent, high-precision milling results.



**1** | The cold milling machine is the perfect choice for simple, precise milling along obstacles such as curbs or walls.



# Quick and precise maneuvering

Driving and steering innovations increase efficiency during day-to-day job site operations. The compact milling machine is compact and maneuverable, allowing it to be moved quickly from site to site.

## LARGE STEERING ANGLES

The large steering angles to the left and right guarantee small turning radii and thus rapid maneuvering, even in tight spaces.

## AUTOMATIC SELF-STEERING FEATURE

When pivoted in front of the milling drum, the right-hand rear track unit's automatic self-steering feature not only gives the cold milling machine maximum maneuverability, but also minimizes wear on the base plates.

## PRECISION STEERING

The highly responsive hydraulic steering system allows the operator to steer the machine precisely and smoothly, including via the right-hand multifunctional armrest.

## INCREMENTAL HEIGHT ADJUSTMENT

The additional height adjustment feature on the left-hand control panel allows the operator to precisely adjust the milling depth in increments of 1 mm or 5 mm.

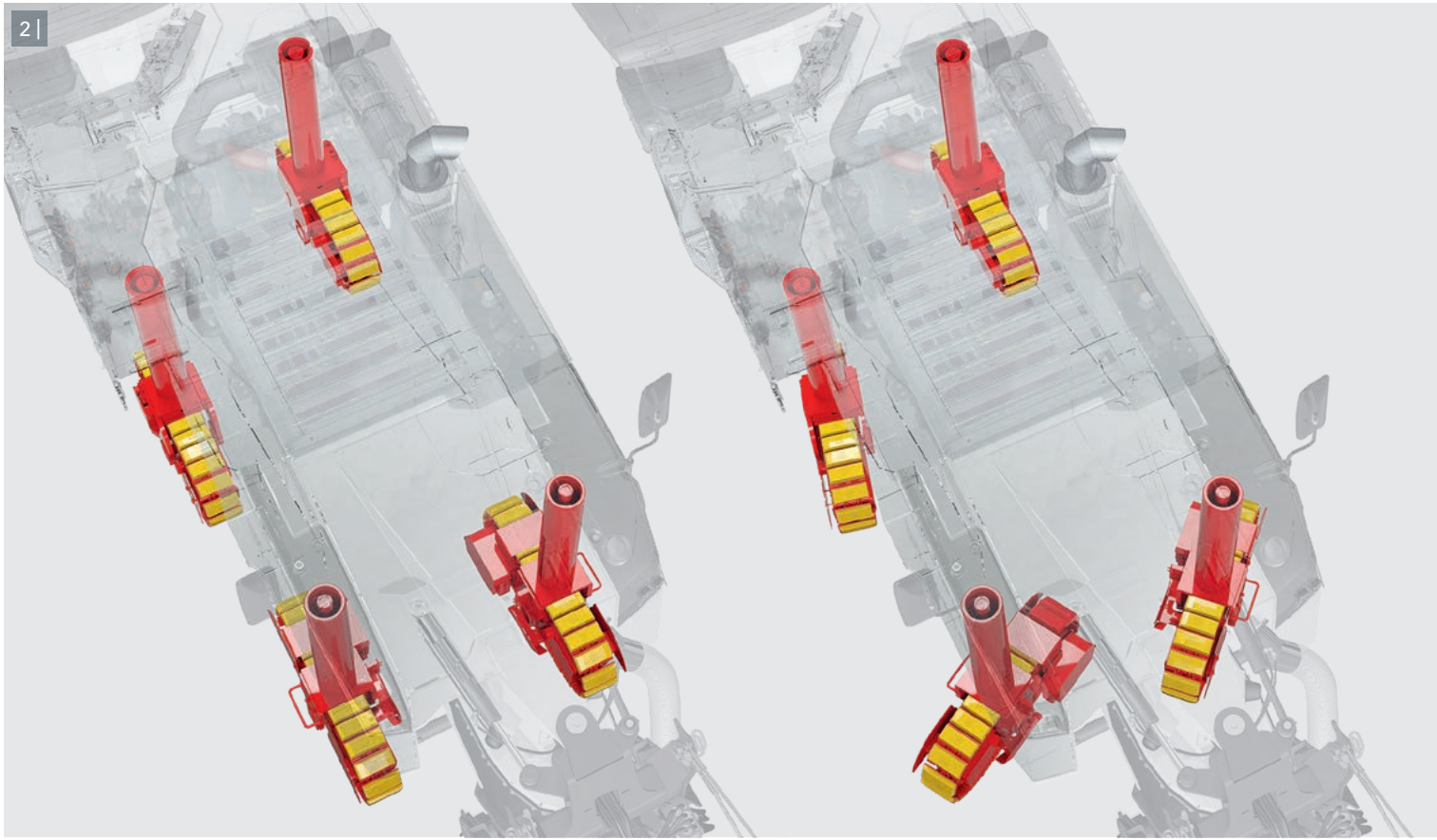
## "STOP-AND-GO" DISPLAY

The "stop-and-go" system, which can be folded out hydraulically, allows the operator to visually and silently communicate with the truck driver in front.





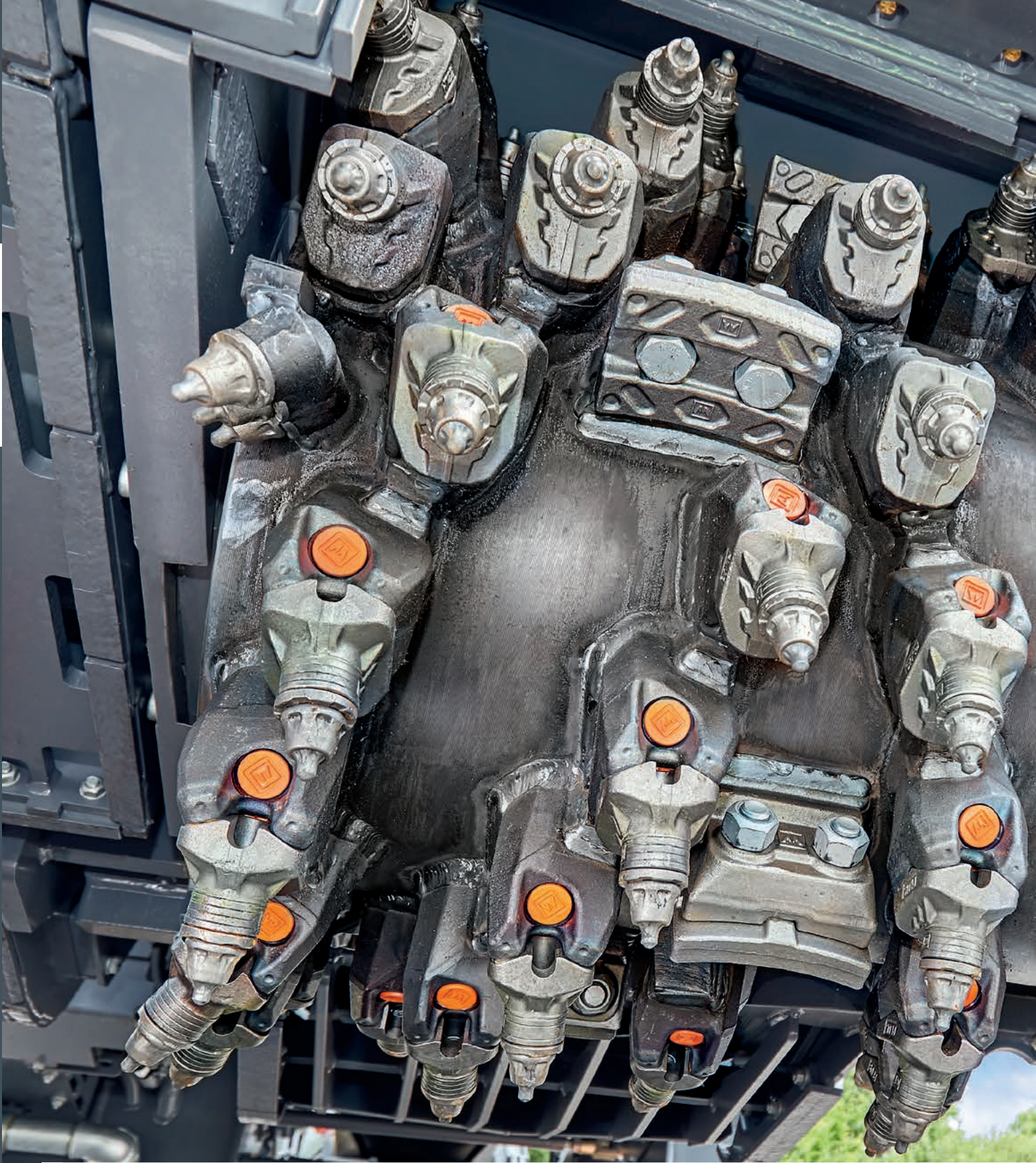
2 |



1 | The machine's impressive steering angles make operations on narrow job sites easier.

2 | Unparalleled maneuverability thanks to large steering angles at the front and the right-hand rear track unit's automatic self-steering feature when pivoted in front of the drum.





#### **THE MOST EFFECTIVE WAY TO MILL**

Innovative WIRTGEN cutting technology that is continuously enhanced to achieve a single goal - increasing performance and cost-effectiveness. Like with the compact milling machine's milling drum unit, for example. Manufactured from high-quality materials and optimized in both functionality and design to be wear-resistant, rugged, and durable. Benefit from the most effective way to mill.



A detailed close-up of a multi-spindle milling machine head. The machine features a complex arrangement of numerous cutting tools, including end mills and drill bits, mounted on a dark, heavy-duty metal frame. The tools are organized in a grid-like pattern, with some having orange safety caps. The background shows a clear blue sky and a portion of a red and yellow machine structure, suggesting an outdoor industrial setting.

Milling and

loading highlights



# Outstanding milling performance in any application

The milling drum unit features a variety of valuable innovative features and can achieve milling depths of up to 1 ft 1 in (330 mm).

## RAPID PICK CHANGES

The hydraulically operated milling drum rotation device and pick ejector make it easier to change picks – even when the engine is switched off.

## HYDRAULICALLY LIFTING SIDE PLATES WITH PROACTIVE FLOATING POSITION

Overload sensors on the left and right side plates cause them to lift briefly to prevent them from sinking into soft ground. Welded-in wear protection segments also extend the side plates' service life.

## AUTOMATIC SCRAPER LIFTING

Overload sensors protect the milling drum unit from damage by triggering the scraper to lift briefly, such as to avoid obstacles or uneven ground.

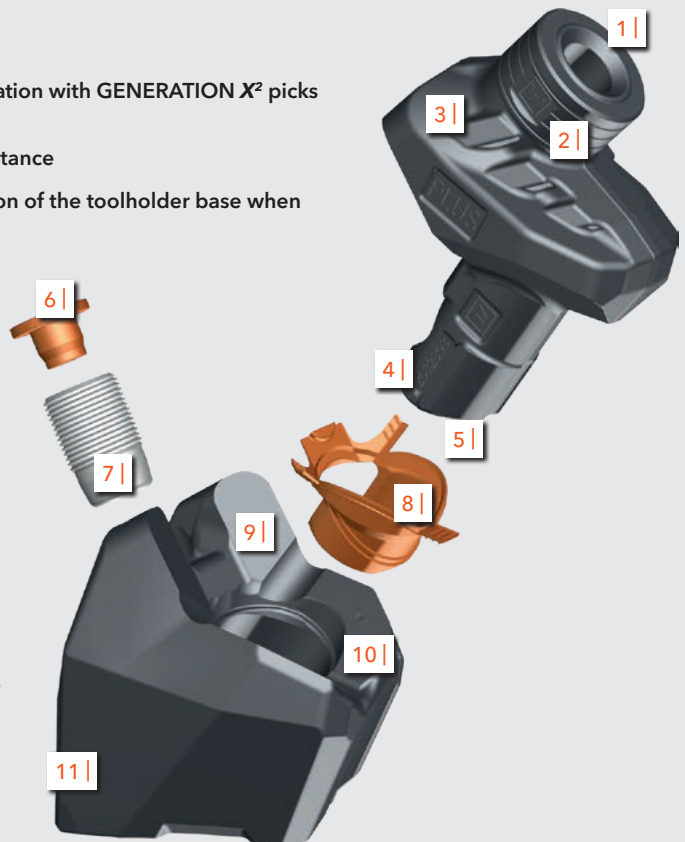
## HT22 QUICK-CHANGE TOOLHOLDER SYSTEM

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



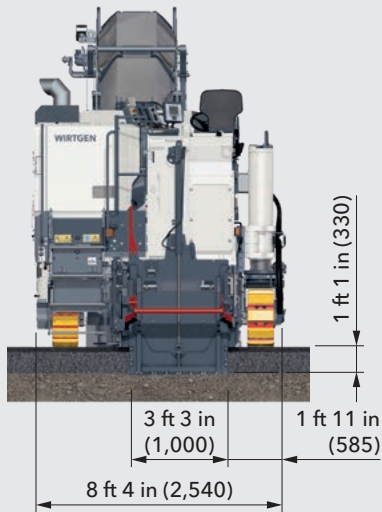
### HT22 PLUS QUICK-CHANGE TOOLHOLDER SYSTEM IN DETAIL

- 1 | Innovative centering marks on the tool contact surface in combination with GENERATION X<sup>2</sup> picks for maximum toolholder service life right from the start
- 2 | Long service life of upper section due to extremely large wear distance
- 3 | Increased wear volume in the shoulder section improves protection of the toolholder base when milling abrasive materials
- 4 | Reduced maintenance requirements due to longer intervals between torque inspections of the quick-change toolholder bolts (every 500 hours)
- 5 | Optimized shaft geometry with additional improved thermal processing to withstand extreme stress
- 6 | Protective plug prevents bolt head from getting dirty
- 7 | Heavy-duty retaining bolt
- 8 | Seal between top and bottom part allows top part to be easily removed/inserted
- 9 | Bottom part covers top part completely for maximum protection
- 10 | Extra-large contact surface between top part and bottom part for longer bottom part service life
- 11 | Optimized welded joint with increased strength and flexibility for optimum pick rotation





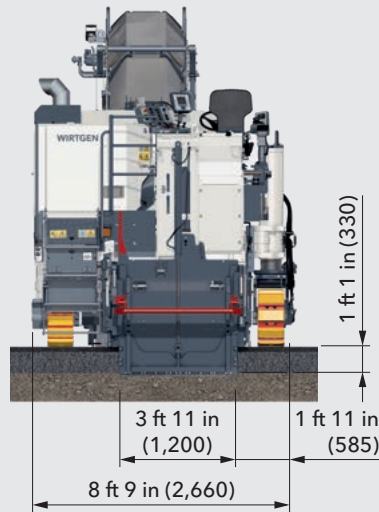
Dimensions in American standard and mm:



**W 100 XF/W 100 XFi**  
with 3 ft 3 in (1.0-m) drum assembly



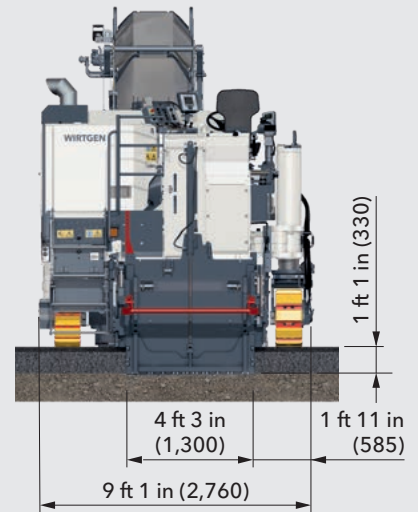
**Standard milling drum**  
Milling width: 3 ft 3 in (1,000 mm)  
Milling depth: 0 to 1 ft 1 in (0 to 330 mm)  
Pick spacing: 0.6 in (15 mm)



**W 120 XF/W 120 XFi**  
with 3 ft 11 in (1.2-m) drum assembly



**Standard milling drum**  
Milling width: 3 ft 11 in (1,200 mm)  
Milling depth: 0 to 1 ft 1 in (0 to 330 mm)  
Pick spacing: 0.6 in (15 mm)



**W 130 XF/W 130 XFi**  
with 4 ft 3 in (1.3-m) drum assembly



**Standard milling drum**  
Milling width: 4 ft 3 in (1,300 mm)  
Milling depth: 0 to 1 ft 1 in (0 to 330 mm)  
Pick spacing: 0.6 in (15 mm)

## COMPLETE FCS PACKAGE

Several different milling drums are available as a complete FCS package. The milling drum can be changed quickly thanks to the easily-accessible right-hand side panel. The assembly trolley speeds up the process even more.

## 1 FT 6 IN (450 MM) RIGHT-HAND SIDE PLATE LIFT

The right-hand side plate can be raised by up to 1 ft 6 in (450 mm) to allow flush-to-curb milling. This feature allows the curb to be used as a reference when working at large milling depths.





# Outstanding performance and flexibility when loading

24  
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Maximum performance and outstanding flexibility are also required when transporting the milled material in order to complete the milling process smoothly.

## WIDE CONVEYOR SLEWING ANGLES

Large conveyor slewing angles of 60° to both sides make it possible to load material even in difficult situations, e.g. in intersections or turning areas.

## TWO CONVEYOR SLEWING SPEEDS

The discharge conveyor can be slewed slowly to ensure precise loading of the milled material or quickly, thus optimizing the entire milling process.

## VCS EXTRACTION SYSTEM

VCS improves air quality and visibility in the machine operator's and ground crew's working area. In addition, the optimized design of the VCS suction channel reduces the amount of cleaning required.

## HYDRAULIC FOLDING CONVEYOR

The hydraulic folding conveyor can be folded away quickly for easy transport and to adapt to site conditions.

## QUICK-RELEASE COUPLING

The innovative quick-release coupling ensures that the hydraulic connections can be easily connected when mounting/removing the discharge conveyor.

## LARGE BELT WIDTH AND CLEAT HEIGHT

A large belt width and cleat height guarantee a high conveying capacity.





1 | Large conveyor slewing angles to both sides offer flexibility when loading milled material.

2 | The quick-release coupling speeds up the process of mounting and removing the discharge conveyor.


3 | The folding conveyor reduces the machine's transport length.









A construction worker in a high-visibility vest is operating a large, white and yellow machine on a road. The machine is emitting a cloud of white smoke. In the background, there is a modern building with a checkered facade and a row of houses with dark roofs. The sky is blue with some clouds.

# Performance and productivity highlights

## **PRODUCTIVE STRATEGY**

It goes without saying that productivity is important – just as important as cost-effectiveness. This is why the W 100 XF i/W 120 XF i/W 130 XF i features tried-and-tested technologies and efficient solutions. The result is outstanding productivity in the one-meter class, and environmental performance that is just as impressive. Low emission levels protect operators and the environment. Productivity made to measure.



# High-powered engines for tremendous productivity

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Compared to its predecessor, the compact milling machine achieves up to 15% greater milling performance. Its productivity is enhanced further by features tailored to site requirements.

## MODERN ENGINE TECHNOLOGY

The engine technology used in the W 100 XFi/W 120 XFi/W 130 XFi meets the requirements of the strict US EPA Tier 4f emissions standard.

## IMPRESSIVE ENGINE PERFORMANCE

The state-of-the-art diesel engine offers tremendous engine power with high maximum torque, guaranteeing fast operation and high production rates, even at the maximum milling depth.

## HYDRAULIC UNIT

The extended electrohydraulic unit powers features such as the milling drum rotation device, the pick ejector when the engine is switched off, as well as emergency functions, increasing the machine's flexibility on the job site.

## THREE DIFFERENT MILLING DRUM SPEEDS

Three different milling drum speeds make it possible to achieve unparalleled milling performance in a wide range of applications.

## AUTOMATIC WATER INJECTION

The amount of water injected to cool the picks increases automatically relative to the increase in engine load. Water consumption can also be directly adjusted electrically from the operator's platform.

11

### EXHAUST AFTERTREATMENT FOR W 100 XFi, W 120 XFi, W 130 XFi

The diesel engine complies with the strict requirements of the US EPA Tier 4f emissions standard.

### SCR CATALYTIC CONVERTER

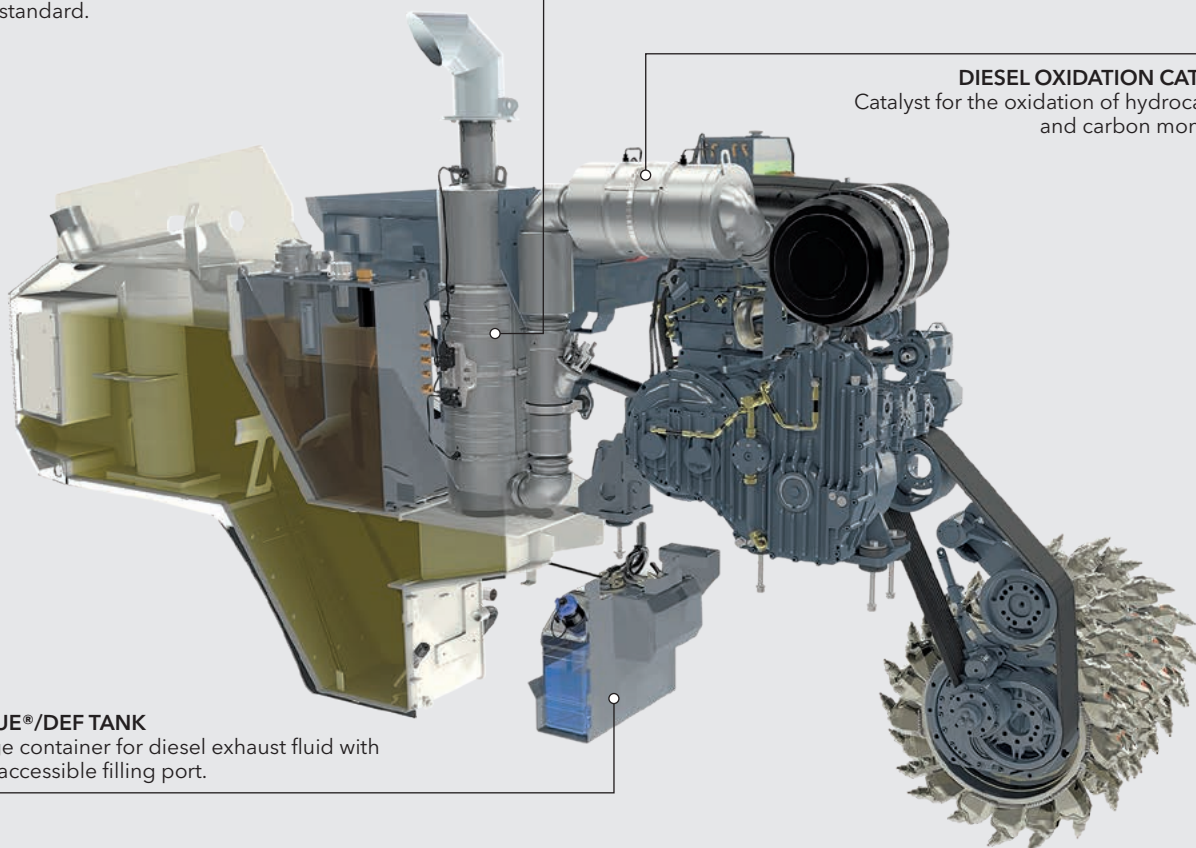
SCR catalytic converter for reducing nitrogen oxides by adding a special diesel exhaust fluid.

### DIESEL OXIDATION CATALYST

Catalyst for the oxidation of hydrocarbons and carbon monoxide.

### ADBLUE®/DEF TANK

Storage container for diesel exhaust fluid with easily accessible filling port.





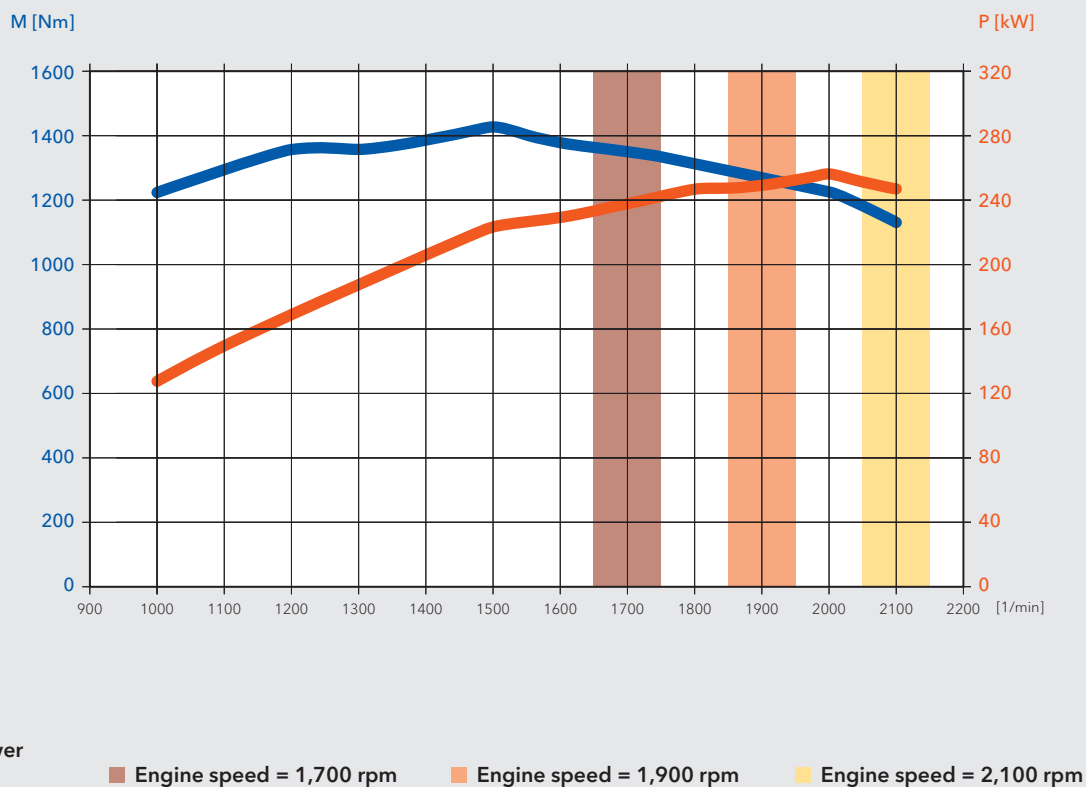
1 | The engine used in the W 100 XF i, W 120 XF i, and W 130 XF i is equipped with an diesel oxidation catalyst and an SCR catalytic converter for effective exhaust gas purification.

2 | Excellent access to components makes servicing the machine easy.

3 | The sharp increase in torque guarantees outstanding milling performance.



### 3 | ENGINE CHARACTERISTICS W 100 XF i/W 120 XF i/W 130 XF i (US EPA TIER 4f)





# High traction and optimized weight

For maximum traction, the milling drum is positioned close to the compact milling machine's center of gravity. In addition, even the W 130 XF/W 130 XFi can be transported without a special permit – a major advantage when it comes to executing milling operations flexibly and quickly.

**1** | High traction makes easy work of even the most challenging milling jobs.

**2** | The compact milling machine can be transported directly without any detours.

## AUTOMATIC POSITIONING FUNCTION

The automatic positioning feature uses relief sensors to prevent the rear track units from being lifted unintentionally.

## AUTOMATIC WIDRIVE FUNCTIONS

The WIDRIVE machine control system offers numerous automatic functions to make the operator's daily work easier. In addition, WIDRIVE pays for itself through lower diesel consumption and increased daily production rates.

## COMPACT DIMENSIONS AND LOW WEIGHT

The machine's optimized weight and compact dimensions make it easy to transport.









# Technical specifications

W 100 XFi | W 120 XFi | W 130 XFi

	W 100 XFi	W 120 XFi	W 130 XFi
Milling Drum			
Milling width	3 ft 3 in (1,000 mm)	3 ft 11 in (1,200 mm)	4 ft 3 in (1,300 mm)
Milling depth *1	0 to 1 ft 1 in (0 to 330 mm)		
Cutting diameter	3 ft 3 in (980 mm)		
Engine			
Manufacturer	CUMMINS		
Type	QSL 9		
Cooling	Wasser		
Number of cylinders	6		
Rated power at 2,100 rpm	248 kW/333 HP/337 PS		
Maximum power at 1,900 rpm	257 kW/345 HP/350 PS		
Displacement	2.4 gal/h (8.9 l)		
Fuel consumption at rated power   at a mixture of job site operations	17.7 gal/h (67 l/h)   7.1 gal/h (27 l/h)		
Sound power level in accordance with DIN EN 500-2 engine   operator's platform	≤ 103 dB(A)   ≥ 80 dB(A)		
Emissions standard	US EPA Tier 4f		
Electrical System			
Power supply	24 V		
Tank Capacities			
Fuel	161.1 gal (610 l)		
AdBlue® *2/DEF	9.2 gal (35 l)		
Hydraulic fluid	34.3 gal (130 l)		
Water	369.8 gal (1,400 l)	422.7 gal (1,600 l)	422.7 gal (1,600 l)
Driving Performance			
Max. milling speed	0 to 141 ft/min (1.6 mph) ( 0 to 43 m/min (2,6 km/h))		
Max. speed on tracks	0 to 318 ft/min (3.6 mph) (0 to 97 m/min (5,8 km/h))		
Track Units			
Track chains front/back (L x W x H)	4 ft 4 in x 10.2 in x 1 ft 10 in (1,330 x 260 x 550 mm)		
Loading of Milled Material			
Belt width of primary conveyor	2 ft 2 in (650 mm)		
Belt width of discharge conveyor	2 ft (600 mm)		
Theoretical capacity of discharge conveyor	230.2 yd³/h (176 m³/h)		

\*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)



	W 100 XFi	W 120 XFi	W 130 XFi
Weight of Standard Machine			
Empty weight of machine without fluids	43,652 lbs (19,800 kg)	45,636 lbs (20,700 kg)	46,518 lbs (21,100 kg)
Operating weight, CE* <sup>1</sup>	46,077 lbs (20,900 kg)	48,281 (21,900 kg)	49,163 lbs (22,300 kg)
Maximum operating weight (full tanks, full range of equipment)	54,454 lbs (24,700 kg)	57,210 lbs (25,950 kg)	58,533 lbs (26,550 kg)
Weight of Tank Contents			
Water	3,087 lbs (1,400 kg)	3,527 lbs (1,600 kg)	3,527 lbs (1,600 kg)
Fuel (6.9 lbs/gal (0.83 kg/l))	1,116 lbs (506 kg)		
AdBlue®/DEF (9.2 lbs/gal (1.1 kg/l))* <sup>2</sup>	85 lbs (38.5 kg)		
Additional Weight			
Operator and Tools			
Machine operator	165 lbs (75 kg)		
5 pick containers	276 lbs (125 kg)		
Vehicle tool kit	66 lbs (30 kg)		
Optional Milling Drum Units Instead of Standard			
FB1000 FCS milling drum housing	617 lbs (280 kg)	-	-
FB1200 FCS milling drum housing	-	726 lbs (330 kg)	-
FB1300 FCS milling drum housing	-	-	816 lbs (370 kg)
FB1000 FCS tandem scraper	397 lbs (180 kg)	-	-
FB1200 FCS tandem scraper	-	463 lbs (210 kg)	-
FB1300 FCS tandem scraper	-	-	496 lbs (225 kg)
Optional Milling Drums Instead of Standard			
FB1000 FCS milling drum, <b>HT22</b> LA15 with 99 picks	-176 lbs (-80 kg)	-	-
FB1200 FCS milling drum, <b>HT22</b> LA15 with 115 picks	-	-176 lbs (-80 kg)	-
FB1300 FCS milling drum, <b>HT22</b> LA15 with 121 picks	-	-	-176 lbs (-80 kg)
FB1000 FCS milling drum, <b>HT22</b> LA8 with 149 picks	342 lbs (155 kg)	-	-
FB1200 FCS milling drum, <b>HT22</b> LA8 with 174 picks	-	441 lbs (200 kg)	-
FB1300 FCS milling drum, <b>HT22</b> LA8 with 185 picks	-	-	496 lbs (225 kg)
FB1000 FCS milling drum, <b>HT5</b> LA6X2 with 340 picks	221 lbs (100 kg)	-	-
FB1200 FCS milling drum, <b>HT5</b> LA6X2 with 410 picks	-	331 lbs (150 kg)	-
FB1300 FCS milling drum, <b>HT5</b> LA6X2 with 444 picks	-	-	375 lbs (170 kg)
Optional Additional Equipment			
Hydraulically lowering weather canopy instead of standard	441 lbs (200 kg)		
Short discharge conveyor in hydraulic folding design, 23 ft 9 in (7,250 mm) long with 2 ft (600 mm) wide belt, instead of standard	-99 lbs (-45 kg)		
VCS extraction system	276 lbs (125 kg)		
Additional weights that can be used as required	882 lbs (400 kg)	1,135 lbs (515 kg)	1,135 lbs (515 kg)

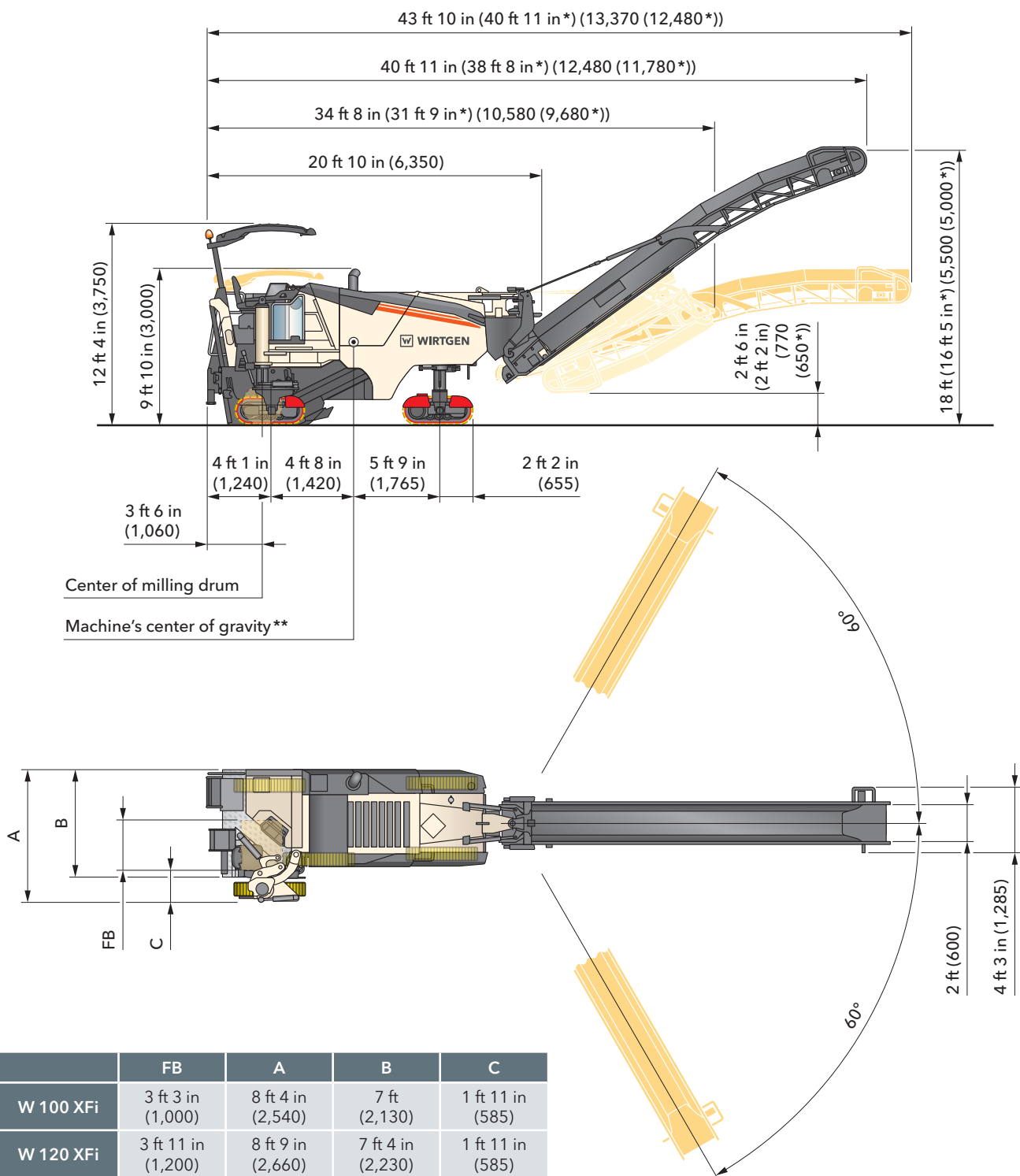
\*<sup>1</sup> = Machine weight, half-full tanks, vehicle tool kits, machine operator, excluding optional equipment

\*<sup>2</sup> = AdBlue® is a registered trademark of the German Association of the Automotive Industry (VDA)



# Dimensions

W 100 XFi | W 120 XFi | W 130 XFi

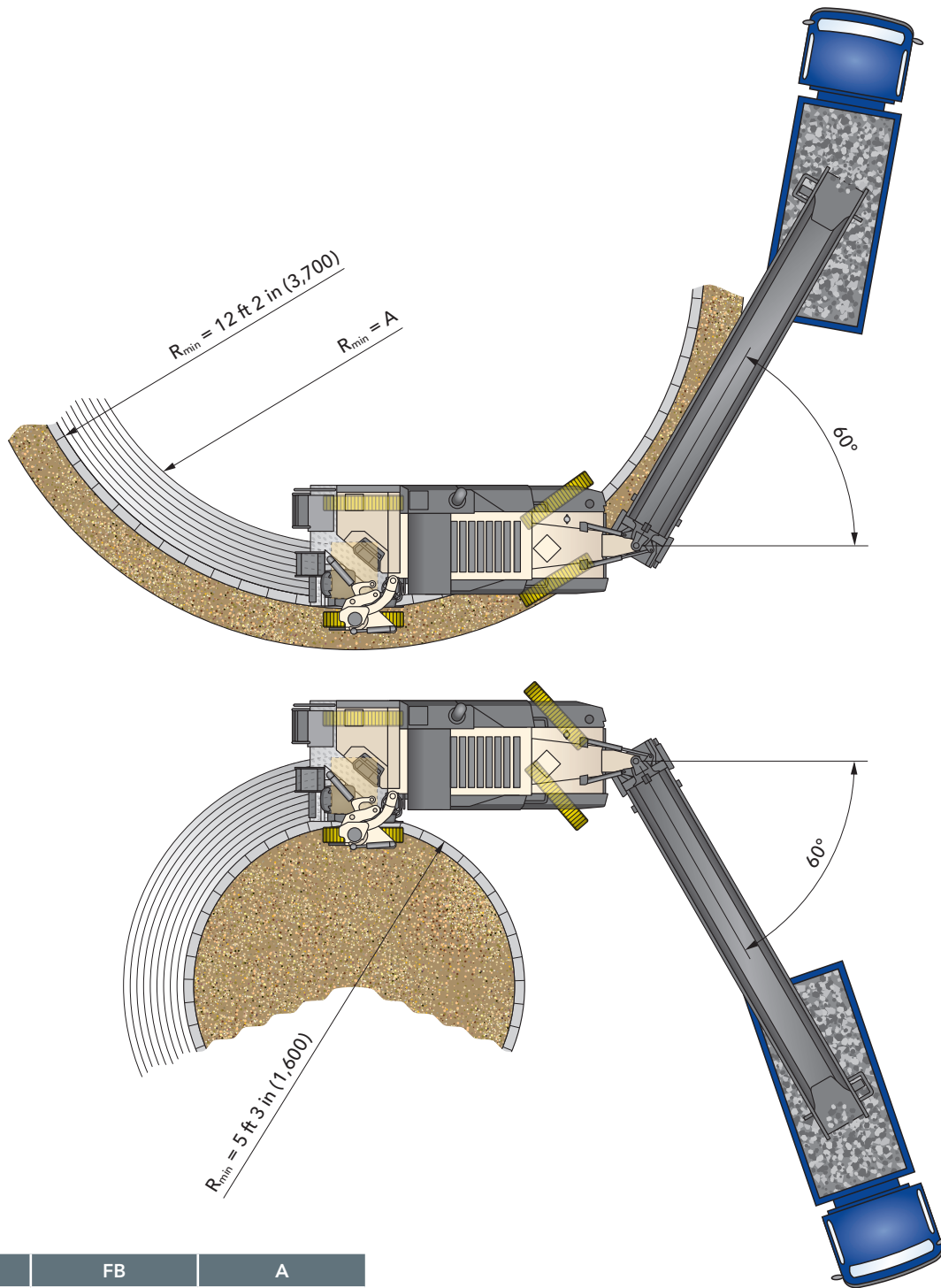


Cold milling machine in tracked design, dimensions in American standard and mm

\* = Short discharge conveyor in folding design

\*\* = Based on operating weight, CE with conveyor folded out





	FB	A
W 100 XFi	3 ft 3 in (1,000)	8 ft 10 in (2,700)
W 120 XFi	3 ft 11 in (1,200)	8 ft 2 in (2,500)
W 130 XFi	4 ft 3 in (1,300)	8 ft 2 in (2,500)

Milling radius, milling depth 5.9 in (150 mm), dimensions in American standard and mm



# Standard equipment

## W 100 XFi | W 120 XFi | W 130 XFi

36  
37

	W 100 XFi	W 120 XFi	W 130 XFi
<b>Base machine</b>			
Base machine with engine	■	■	■
Mechanically opening engine cover with noise insulation	■	■	■
Radiator with temperature-dependent fan speed	■	■	■
Highly effective noise insulation throughout the engine compartment	■	■	■
Automatic engine speed control depending on driving situation	■	■	■
Elastically mounted engine station with low vibration and low noise	■	■	■
Diesel oxidation catalyst (DOC) for exhaust aftertreatment	□	□	□
<b>Milling drum unit</b>			
The right-hand side of the milling drum housing can be easily opened for maintenance or drum replacement	■	■	■
Hydraulically operated scraper with mechanical locking	■	■	■
FB1000 milling drum housing	□	—	—
FB1200 milling drum housing	—	□	—
FB1300 milling drum housing	—	—	□
<b>Milling drums</b>			
FB1000 milling drum, <b>HT22</b> LA15 with 99 picks	□	—	—
FB1200 milling drum, <b>HT22</b> LA15 with 115 picks	—	□	—
FB1300 milling drum, <b>HT22</b> LA15 with 121 picks	—	—	□
<b>Loading of milled material</b>			
Discharge conveyor slewing angle: 60 degrees left - 60 degrees right	■	■	■
Hydraulically foldable discharge conveyor with two slewing speeds, including adjustable conveyor speed for precise loading	■	■	■
Machine with hydraulic standard coupling for the discharge conveyor	□	□	□
Discharge conveyor, 26 ft 9 in (8,150 mm) long, 2 ft (600 mm) wide, with hydraulic folding device	□	□	□
<b>Machine control and leveling</b>			
Digital milling depth indicator on machine control panel	■	■	■
<b>LEVEL PRO PLUS</b> leveling system right and left	■	■	■
RAPID SLOPE cross-slope sensor for <b>LEVEL PRO PLUS</b> leveling system	■	■	■
Precise machine height adjustment in increments of 1 or 5 mm via the machine's main control panel	■	■	■
Digital load control, can be engaged manually, hydraulic differential lock (via flow divider)	■	■	■

- = Standard equipment
- = Standard equipment, can be replaced with optional equipment if desired
- = Optional equipment



	W 100 XFi	W 120 XFi	W 130 XFi
<b>Operator's platform</b>			
Hydraulically extendable operator's platform for optimum view of the working area	■	■	■
Steering console with adjustable height and tilt to ideally adapt the platform to the operator's needs	■	■	■
Streamlined machine design allows a clear view of the milled edge and the working area in front of the milling drum on the right	■	■	■
Easy access to the operator's platform with night lighting and particularly low lower ladder rung	■	■	■
Heavy-duty vandalism protection for the controls	■	■	■
Mirror package consisting of front left and right rear-view mirrors and a forward-facing mirror to the left of the operator's platform	■	■	■
Reversing horn with clearly audible signal	■	■	■
Illuminated control panel/night design	■	■	■
Scraper height indicator on control panel	■	■	■
Standard operator's seat	□	□	□
<b>Track unit and height adjustment</b>			
Dual-speed hydraulic height adjustment of front and rear track units	■	■	■
4 motorized crawler units	■	■	■
<b>Miscellaneous</b>			
Large tool package	■	■	■
Towing device	■	■	■
Large water and diesel tank	■	■	■
Comprehensive safety package with several EMERGENCY STOP switches	■	■	■
Machine pre-equipped for installation of WITOS FleetView control unit	■	■	■
European type certification, EuroTest mark and CE conformity	■	■	■
RAL 9001 Cream paint standard	□	□	□
WITOS FleetView (MF1, 3G) – professional telematics solution for machine operation and service optimization	□	□	□
Halogen/LED lighting package including rotating beacon	□	□	□

■ = Standard equipment  
 □ = Standard equipment, can be replaced with optional equipment if desired  
 □ = Optional equipment



# Optional equipment

W 100 XFi | W 120 XFi | W 130 XFi

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39

	W 100 XFi	W 120 XFi	W 130 XFi
<b>Base machine</b>			
Diesel oxidation catalyst (DOC) with diesel particulate filter (DPF) for exhaust aftertreatment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Milling drum unit</b>			
FB1000 FCS milling drum housing	<input type="checkbox"/>	—	—
FB1200 FCS milling drum housing	—	<input type="checkbox"/>	—
FB1300 FCS milling drum housing	—	—	<input type="checkbox"/>
Prepared for deep milling unit with all required connections	<input type="checkbox"/>	—	—
Base unit for externally mounted deep milling unit, including drive shaft and side plate with bearings	<input type="checkbox"/>	—	—
FB100, FT600 milling unit, including cover panel and scraper	<input type="checkbox"/>	—	—
FB200, FT600 milling unit, including cover panel and scraper	<input type="checkbox"/>	—	—
<b>Milling drums</b>			
FB1000 FCS milling drum, <b>HT22</b> LA15 with 99 picks	<input type="checkbox"/>	—	—
FB1200 FCS milling drum, <b>HT22</b> LA15 with 112 picks	—	<input type="checkbox"/>	—
FB1300 FCS milling drum, <b>HT22</b> LA15 with 121 picks	—	—	<input type="checkbox"/>
FB1000 FCS milling drum, <b>HT22</b> LA18 with 84 picks	<input type="checkbox"/>	—	—
FB1200 FCS milling drum, <b>HT22</b> LA18 with 100 picks	—	<input type="checkbox"/>	—
FB1300 FCS milling drum, <b>HT22</b> LA18 with 107 picks	—	—	<input type="checkbox"/>
FB1000 FCS tandem scraper	<input type="checkbox"/>	—	—
FB1200 FCS tandem scraper	—	<input type="checkbox"/>	—
FB1300 FCS tandem scraper	—	—	<input type="checkbox"/>
FB300 FCS-milling unit, <b>HT22</b> LA12 with 61 picks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FB500 FCS-milling unit, <b>HT22</b> LA15	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FB600 FCS-milling unit, <b>HT22</b> LA12 with 80 picks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FB900 FCS-milling unit, <b>HT22</b> LA15 with 102 picks		<input type="checkbox"/>	<input type="checkbox"/>
Kit for moving the FCS milling drum	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FB1000 FCS milling drum, <b>HT22</b> LA8 with 149 picks	<input type="checkbox"/>	—	—
FB1200 FCS milling drum, <b>HT22</b> LA8 with 174 picks	—	<input type="checkbox"/>	—
FB1300 FCS milling drum, <b>HT22</b> LA8 with 185 picks	—	—	<input type="checkbox"/>
FB1000 FCS milling drum, <b>HT5</b> LA6X2 with 340 picks	<input type="checkbox"/>	—	—
FB1200 FCS milling drum, <b>HT5</b> LA6X2 with 410 picks	—	<input type="checkbox"/>	—
FB1300 FCS milling drum, <b>HT5</b> LA6X2 with 444 picks	—	—	<input type="checkbox"/>
FB1000 FCS milling drum, <b>HT22</b> LA25 with 83 picks	<input type="checkbox"/>	—	—
FB1200 FCS milling drum, <b>HT22</b> LA25 with 87 picks	—	<input type="checkbox"/>	—
FB1300 FCS milling drum, <b>HT22</b> LA25 with 91 picks	—	—	<input type="checkbox"/>
<b>Loading of milled material</b>			
Machine with hydraulic quick-release coupling for the discharge conveyor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shortened discharge conveyor, 23 ft 9 in (7,250 mm) long with 2 ft (600 mm) wide belt, with hydraulic folding device	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
VCS extraction system	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Additional storage compartment on discharge conveyor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

- ☒ = Standard equipment
- ☐ = Standard equipment, can be replaced with optional equipment if desired
- ☐ = Optional equipment



	W 100 XFi	W 120 XFi	W 130 XFi
<b>Machine control and leveling</b>			
Precision steering via push buttons	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Overload sensor on FB1000 scraper	<input type="checkbox"/>	—	—
Overload sensor on FB1200 scraper	—	<input type="checkbox"/>	—
Overload sensor on FB1300 scraper	—	—	<input type="checkbox"/>
Active floating position on side plates, right and left	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SONIC SKI sensor for <b>LEVEL PRO PLUS</b> leveling system	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Multiplex 3-way, right, with 2 ultrasonic sensors (FB1000 / FB1200)	<input type="checkbox"/>	<input type="checkbox"/>	—
Multiplex 3-way, right, with 2 ultrasonic sensors (FB1300)	—	—	<input type="checkbox"/>
Multiplex 3-way, right and left, with 4 ultrasonic sensors (FB1000 / FB1200)	<input type="checkbox"/>	<input type="checkbox"/>	—
Multiplex 3-way, right and left, with 4 ultrasonic sensors (FB1300)	—	—	<input type="checkbox"/>
Pre-equipped for 3D leveling level control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Basic laser leveling equipment without laser transmitter	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Job data logging on control panel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Operator's platform</b>			
Comfort driver's seat including seat heater	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Operator's platform with hydraulically lowerable weather canopy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Miscellaneous</b>			
Machine painted in a special color (RAL)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
RAL 9001 Cream standard protection film	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Custom protection film color upon request	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
WITOS FleetView (MF2, 4G) - professional telematics solution for machine operation and service optimization	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
WITOS FleetView (MF3, 4G) - professional telematics solution for machine operation and service optimization	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
High-power LED lighting package including rotating beacon	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Additional weight 400 kg	<input type="checkbox"/>	—	—
Additional weight 515 kg	—	<input type="checkbox"/>	<input type="checkbox"/>
Milling drum mounting trolley for up to FB1300	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Electrical fuel filter preheating	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Signal lights for visual "stop-and-go" instructions for the truck driver	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Electrohydraulic unit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hydraulic water filling	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
High-performance high-pressure water blaster (150 bar and 15 l/min)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Air compressor system	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pneumatic hammer with pick ejector/insertor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hydraulically powered pick ejector	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Milling drum rotation device	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Monitor system with 2 cameras and 1 screen	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Monitor system with 3 cameras and 1 screen	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Extended lighting equipment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
License plate holder with LED lighting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

■ = Standard equipment

■ = Standard equipment, can be replaced with optional equipment if desired

□ = Optional equipment





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