



Technical specification

# Cold Milling Machine W 200 / W 200i

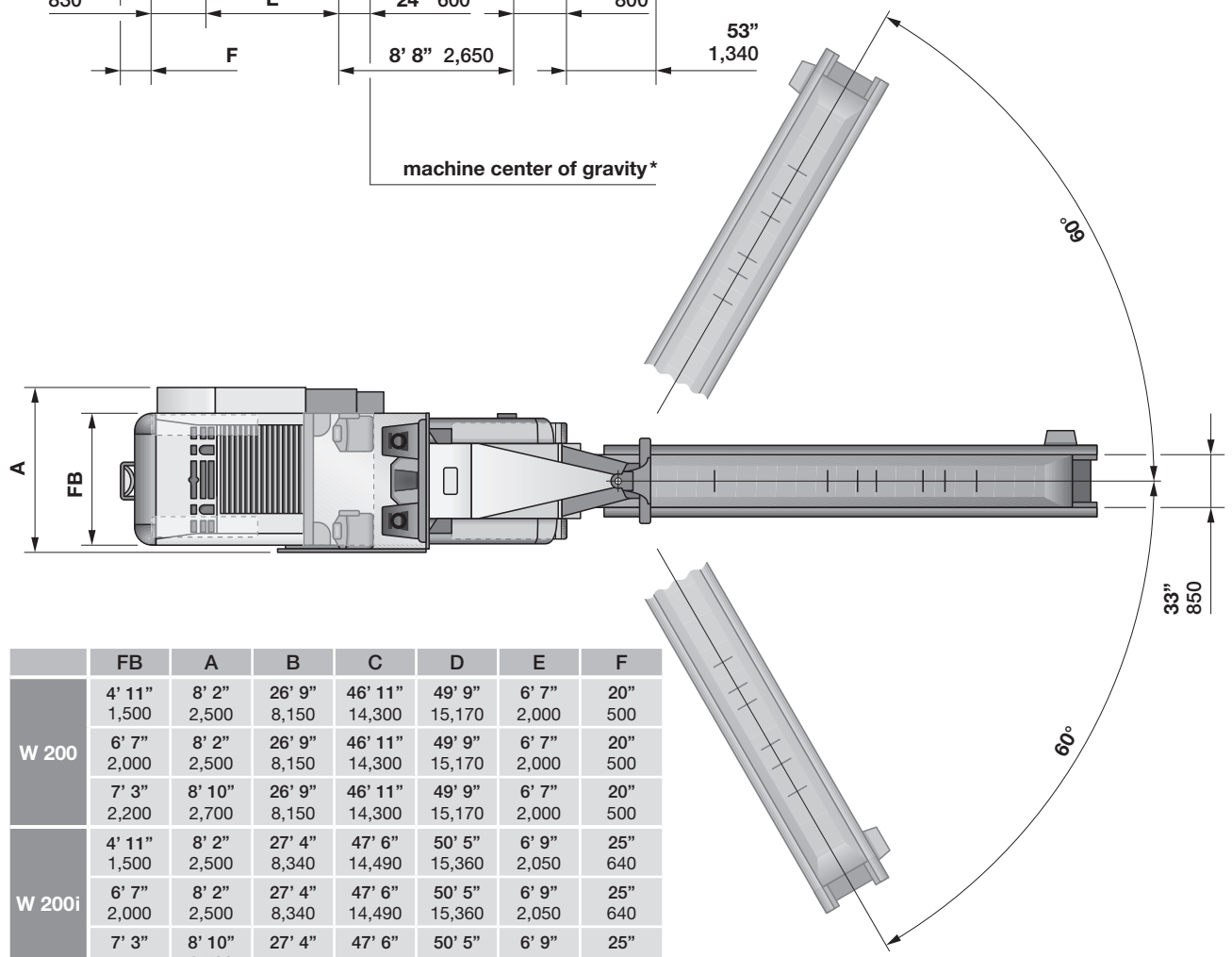
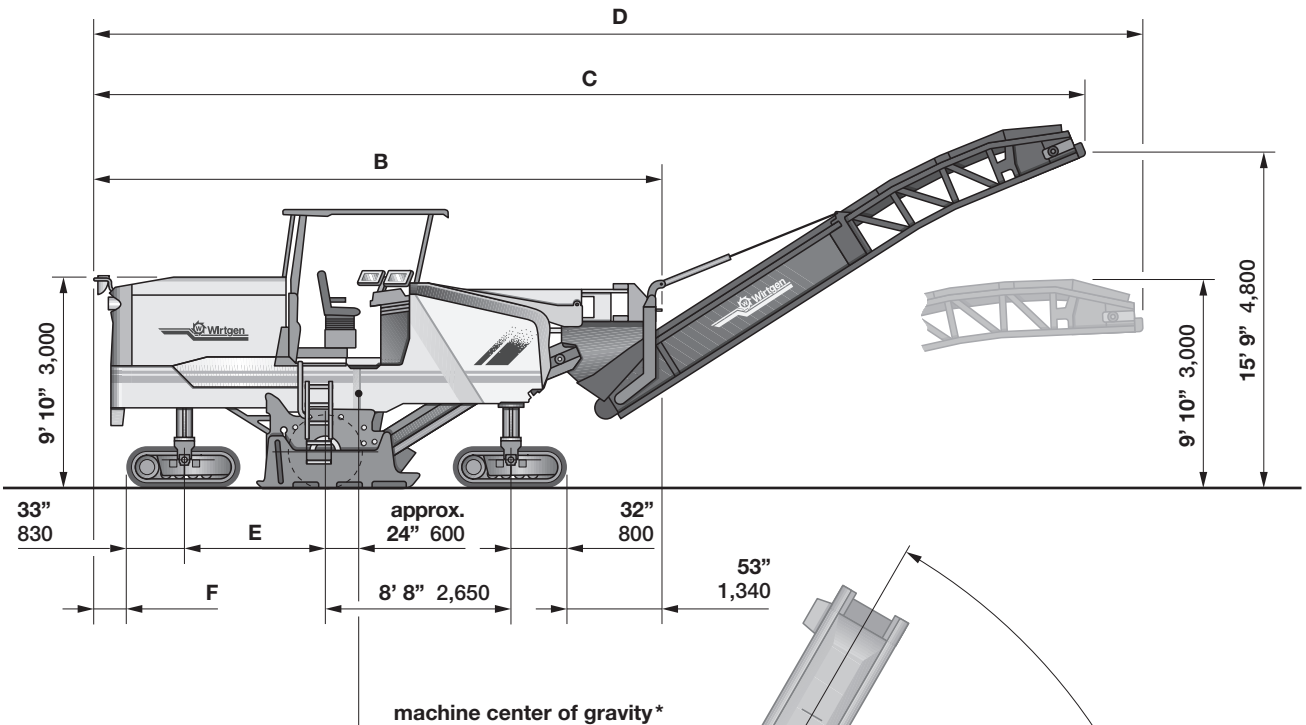


# Technical specification

	Cold milling machine W 200 and W 200i		
	Option FB 1,500	Standard FB 2,000	Option FB 2,200
<b>Milling drum</b>			
<b>Milling width</b>	4' 11" 1,500 mm	6' 7" 2,000 mm	7' 3" 2,200 mm
Milling depth* <sup>1</sup>	0–12" 0–310 mm	0–13" 0–330 mm	0–13" 0–330 mm
Tool spacing	<sup>5</sup> / <sub>8</sub> " 15 mm	<sup>5</sup> / <sub>8</sub> " 15 mm	<sup>5</sup> / <sub>8</sub> " 15 mm
Number of tools	136	162	174
Drum diameter with tools	40" 1,020 mm		
<b>Engine</b>	W 200		W 200i
Manufacturer	CUMMINS		
Type	QSX15		QSX15
Cooling	Water		
Number of cylinders	6		6
Rated power at 2,100 min <sup>-1</sup>	373 kW/500 HP/507 PS		433 kW/580 HP/589 PS
Maximum power at 1,800 min <sup>-1</sup>	410 kW/550 HP/558 PS		447 kW/600 HP/608 PS
Operating power at 1,600 min <sup>-1</sup>	380 kW/510 HP/517 PS		436 kW/585 HP/593 PS
Displacement	4 gal 15 l		4 gal 15 l
Fuel consumption at rated power	26.2 gal/h 99 l/h		28 gal/h 106 l/h
Fuel consumption in field mix	10.6 gal/h 40 l/h		11.1 gal/h 42 l/h
Emission standards	EU Stage 3a/US Tier 3		EU Stage 3b/US Tier 4i
Electrical system	24 V		
<b>Filling capacities</b>			
Fuel tank	322.3 gal 1,220 l		
Hydraulic fluid tank	52.8 gal 200 l		
Water tank	885 gal 3,350 l		
<b>Driving properties</b>			
Travel speed in milling and travel gear, max	0–279 ft/min (3.11 mph) 0–85 m/min (5 km/h)		
<b>Crawler tracks</b>			
Crawler tracks front and rear (L x W x H)	5' 4" x 10" x 23" 1,630 x 260 x 590 mm		
<b>Loading the milled material</b>			
Belt width of primary conveyor	33" 850 mm		
Belt width of discharge conveyor	33" 850 mm		
Theoretical capacity of discharge conveyor	490.5 yd <sup>3</sup> /h 375 m <sup>3</sup> /h		
<b>Shipping dimensions</b>	W 200	W 200i	
Machine, optional milling width 4' 11" (1,500 mm) (L x W x H)	26' 9" x 8' 2" x 9' 10" 8,150 x 2,500 x 3,000 mm	27' 4" x 8' 2" x 9' 10" 8,340 mm x 2,500 x 3,000 mm	
Machine, standard milling width 6' 7" (2,000 mm) (L x W x H)	26' 9" x 8' 2" x 9' 10" 8,150 x 2,500 x 3,000 mm	27' 4" x 8' 2" x 9' 10" 8,340 mm x 2,500 x 3,000 mm	
Machine, optional milling width 7' 3" (2,200 mm) (L x W x H)	26' 9" x 8' 10" x 9' 10" 8,150 x 2,700 x 3,000 mm	27' 4" x 8' 10" x 9' 10" 8,340 mm x 2,700 x 3,000 mm	
Discharge conveyor (L x W x H)	25' 11" x 57" x 4' 11" 7,900 x 1,450 x 1,500 mm		

\*1 = The maximum milling depth may deviate from the value indicated, due to tolerances and wear.

Dimensions in American standard and mm



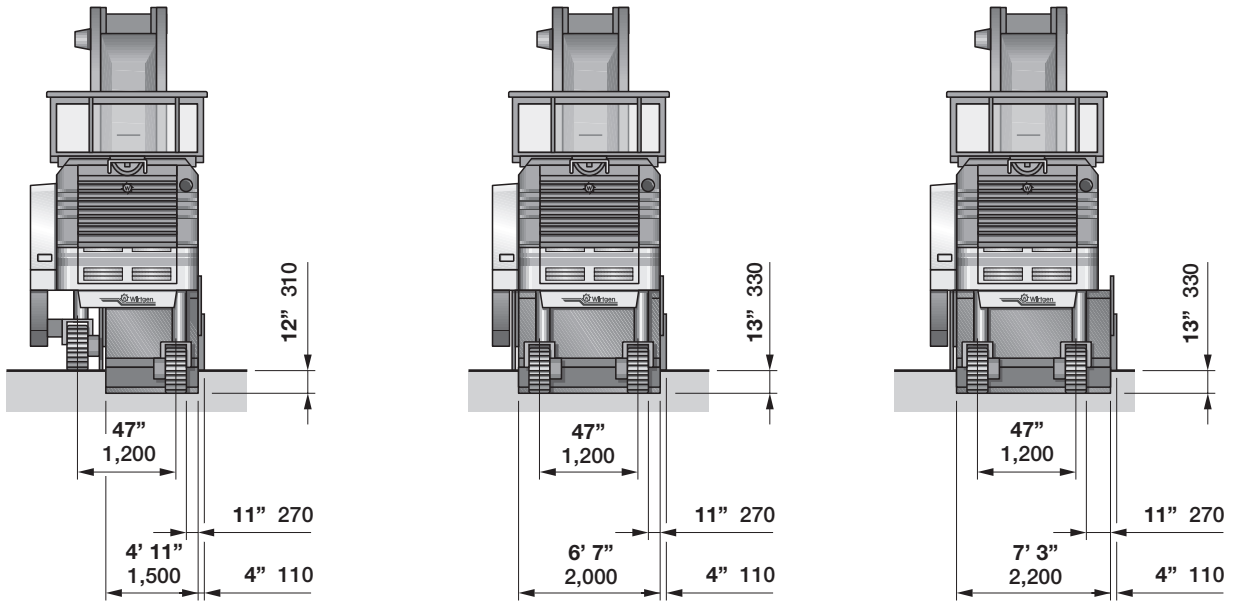
	FB	A	B	C	D	E	F
<b>W 200</b>	4' 11"	8' 2"	26' 9"	46' 11"	49' 9"	6' 7"	20"
	1,500	2,500	8,150	14,300	15,170	2,000	500
	6' 7"	8' 2"	26' 9"	46' 11"	49' 9"	6' 7"	20"
	2,000	2,500	8,150	14,300	15,170	2,000	500
<b>W 200i</b>	7' 3"	8' 10"	26' 9"	46' 11"	49' 9"	6' 7"	20"
	2,200	2,700	8,150	14,300	15,170	2,000	500
	4' 11"	8' 2"	27' 4"	47' 6"	50' 5"	6' 9"	25"
	1,500	2,500	8,340	14,490	15,360	2,050	640
<b>W 200i</b>	6' 7"	8' 2"	27' 4"	47' 6"	50' 5"	6' 9"	25"
	2,000	2,500	8,340	14,490	15,360	2,050	640
	7' 3"	8' 10"	27' 4"	47' 6"	50' 5"	6' 9"	25"
	2,200	2,700	8,340	14,490	15,360	2,050	640

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

	Machine weights W 200	Machine weights W 200i
Empty weight of machine without filling media	54,895 lbs 24,900 kg	55,887 lbs 25,350 kg
Operating weight, CE*	59,922 lbs 27,180 kg	60,914 lbs 27,630 kg
Operating weight, max. (full tanks, full range of equipment), milling width 7' 3" (2,200 mm)	77,316 lbs 35,070 kg	78,970 lbs 35,820 kg
	Weights of filling media	
Water tank filling	7,386 lbs 3,350 kg	7,386 lbs 3,350 kg
Diesel tank filling (6.93 lbs/gal (0.83 kg/l))	2,205 lbs 1,000 kg	2,205 lbs 1,000 kg
	Optional equipment features increasing / reducing empty weight	
<b>Driver and tools</b>		
Driver	165 lbs 75 kg	
Weight of 5 cutting tool containers	276 lbs 125 kg	
On-board tools	66 lbs 30 kg	
<b>Optional milling drum assemblies in lieu of standard</b>		
Milling drum housing, milling width 7' 3" (2,200 mm)	441 lbs 200 kg	
Milling drum housing, milling width 4' 11" (1,500 mm)	220 lbs 100 kg	
Milling drum housing, milling width 6' 7" (2,000 mm), FCS-L	1,433 lbs 650 kg	
Milling drum housing, milling width 7' 3" (2,200 mm), FCS-L	1,984 lbs 900 kg	
<b>Optional milling drums in lieu of standard</b>		
Milling drum, milling width 7' 3" (2,200 mm), tool spacing 15	265 lbs 120 kg	
Milling drum, milling width 4' 11" (1,500 mm), tool spacing 15	-838 lbs -380 kg	
Milling drum, milling width 6' 7" (2,000 mm), tool spacing 15, FCS-L	154 lbs 70 kg	
Milling drum, milling width 7' 3" (2,200 mm), tool spacing 15, FCS-L	198 lbs 90 kg	
Milling drum, milling width 6' 7" (2,000 mm), tool spacing 8, FCS-L	1,984 lbs 900 kg	
Milling drum, milling width 7' 3" (2,200 mm), tool spacing 8, FCS-L	2,513 lbs 1,140 kg	
<b>Optional additional equipment</b>		
Operator's platform with comfortable seats in lieu of standard	551 lbs 250 kg	
Canopy in lieu of standard	617 lbs 280 kg	
Cabin in lieu of standard	1,323 lbs 600 kg	
Folding conveyor in lieu of standard	1,146 lbs 520 kg	
VCS – Vacuum Cutting System	331 lbs 150 kg	
Supplementary weight 1 for flexible use	3,087 lbs 1,400 kg	3,748 lbs 1,700 kg
Supplementary weight 2 for flexible use	2,205 lbs 1,000 kg	

\* = weight of machine with half-full water tank, half-full fuel tank, driver (165 lbs (75 kg)) and on-board tools

**Rear view of machine with different milling width options**  
 Dimensions in American standard and mm

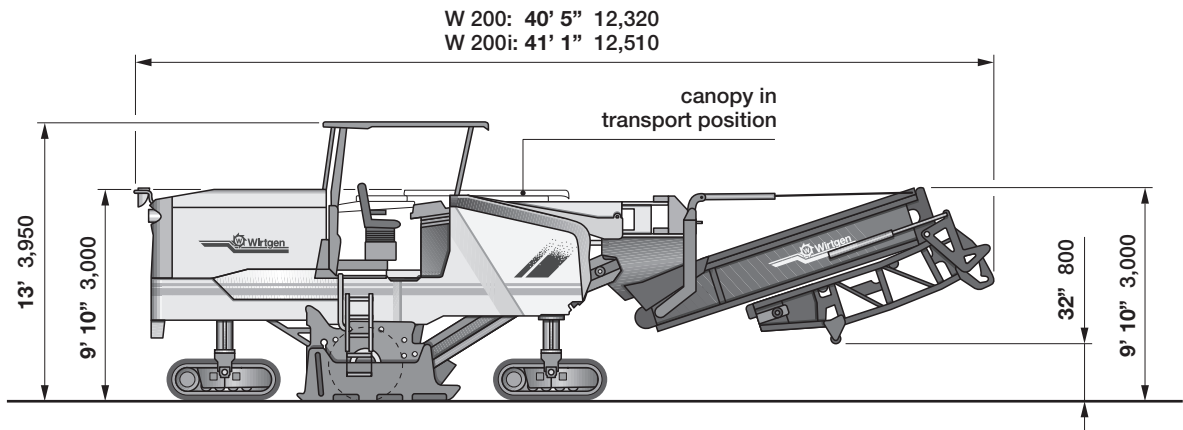


4' 11" (1.50 m) wide drum assembly

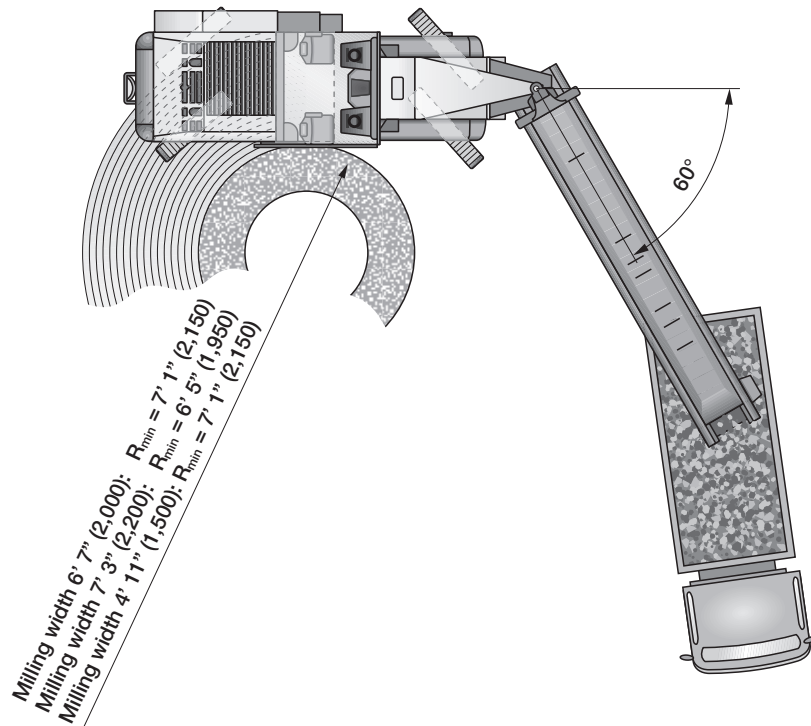
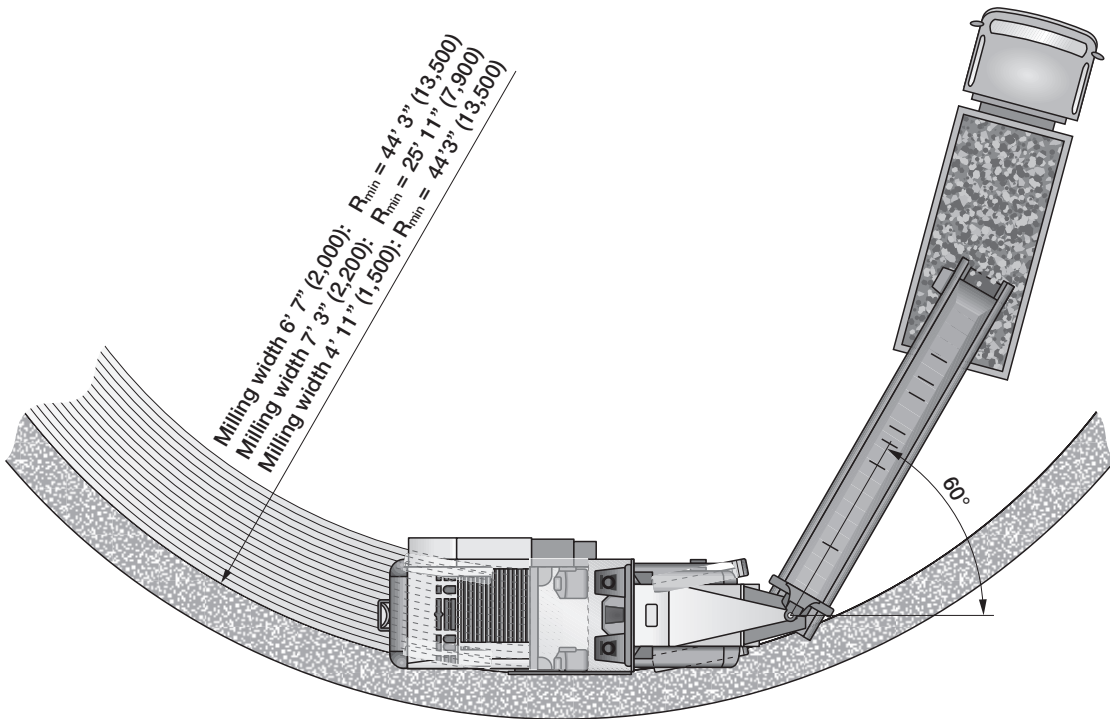
6' 7" (2.00 m) wide drum assembly

7' 3" (2.20 m) wide drum assembly

**Machine transport with optional canopy and hydraulic folding conveyor**  
 Dimensions in American standard and mm



**Milling radius, 6" (150 mm) milling depth**  
 Dimensions in American standard and mm



## Equipment features of cold milling machine W 200 and W 200i

### Standard equipment:

#### Basic machine with engine

- Machine frame with dual wasp waist
- Hydraulically opening, soundproof engine cowling
- Air compressor system
- Battery-operated hydraulic module for hydraulic cylinder functions and for emergency functions
- Automatically engaging high-pressure water system, 18 bar, 17.7 gal/min (67 l/min)
- Engine cooling system with temperature-governed fan speed
- Storage compartments for cutting tool containers
- Standard painting in Wirtgen white with orange stripes

#### Milling drum housing

- Milling drum housing for milling width 6' 7" (2,000 mm) without FCS features
- Three electrically engageable milling drum speeds  
127 1/min - 109 1/min - 97 1/min
- Hydraulically movable and adjustable scraper blade with automatic locking function
- Hydraulically lifting side plates, clearance right 18" (450 mm), clearance left 13" (330 mm)
- Two separately engageable water spray bars in the milling drum assembly

#### Milling drums

- Milling drum, milling width 6' 7" (2,000 mm), HT11, tool spacing LA15
- Multiple-use ejector system

#### Loading of milled material

- Conveyor system with manually or automatically adjustable conveying speed
- Water spray system at the primary conveyor
- Slewing angle of discharge conveyor  $\pm 60^\circ$

#### Machine and leveling control

- Clearly structured main control panel with functional switches
- Multi-functional control screen including display of major machine parameters
- Multifunctional truck loading indicator integrated in control screen
- Comprehensive diagnostic system included in control screen
- Automatically engaging milling power control unit
- Two exterior control panels for operation by ground staff
- Digital electric height indicator
- Full pre-installation for up to 7 leveling sensors per machine side

#### Operator's platform

- Fully anti-vibration mounted operator's platform
- Convenient, individually adjustable control panel
- Convenient access to operator's platform with stand-up seat, left and right
- Lockable covers for control panels
- Two mirrors at the front, one mirror at the centre, one mirror at the rear of the machine

#### Chassis and height adjustment

- PTS – machine is aligned parallel to the pavement surface automatically
- ISC – intelligent crawler track speed control through hydraulic four-track drive
- High machine stability through four-fold full-floating axle
- Four-track steering with freely selectable steering modes
- Extremely wear-resistant, two-piece EPS polyurethane track pads

#### Miscellaneous

- Lighting package with 11 halogen working spotlights
- Four LED lights in the area of the milling drum unit
- "Welcome" and "Go home" lights feature including LED lighting in the area of the operator's access and platform
- Comprehensive toolkit in lockable toolbox
- Comprehensive safety package with 6 emergency stop switches
- European design type certification, GS mark (Geprüfte Sicherheit = Tested Safety) and CE conformity
- Standard warranty of 12 months or 1,000 engine operating hours
- Machine commissioning by qualified personnel
- Comprehensive operating manual and machine documentation

### Optional equipment:

#### Basic machine with engine

- Special painting in one, two or several colors

#### Milling drum housing

- Milling drum housing for milling width 4' 11" (1,500 mm)
- Milling drum housing for milling width 7' 3" (2,200 mm)
- Milling drum housing for milling width 6' 7" (2,000 mm), FCS-Light
- Milling drum housing for milling width 7' 3" (2,200 mm), FCS-Light
- Drum turning device for cutting tool replacement
- Pneumatic cutting tool driver and extractor
- Max. 2 electro-hydraulically operated cutting tool extractors
- Fold-out additional seats at the rear crawler tracks for cutting tool replacement

#### Milling drums

- Milling drum, milling width 7' 3" (2,200 mm), HT11
- Milling drum, milling width 6' 7" (2,000 mm), HT11, LA15, FCS-Light
- Milling drum, milling width 7' 3" (2,200 mm), HT11, LA15, FCS-Light
- Milling drum, milling width 6' 7" (2,000 mm), HT11, LA8, FCS-Light
- Milling drum, milling width 7' 3" (2,200 mm), HT11, LA8, FCS-Light
- Milling drum, milling width 6' 7" (2,000 mm), HT5, LA6x2, FCS-Light
- Milling drum, milling width 7' 3" (2,200 mm), HT5, LA6x2, FCS-Light
- Milling drum, milling width 6' 7" (2,000 mm), HT11, LA25, FCS-Light
- Milling drum, milling width 7' 3" (2,200 mm), HT11, LA25, FCS-Light
- Mounting carriage for milling drums

#### Loading of milled material

- Hydraulically folding discharge conveyor
- VCS – vacuum cutting system
- Conveyor support legs for machine transport

#### Machine and leveling control

- Data interface with data transmission in accordance with WIFMS
- LEVEL PRO automatic leveling system with hydraulic milling depth sensors at the side plates, left and right
- Additional LEVEL PRO control panel
- Milling depth detection via sensor package and display on the LEVEL PRO screen
- RAPID SLOPE cross slope sensor
- Hydraulic cylinder sensor to scan the milling depth in front of the milling drum, right
- Hydraulic cylinder sensor to scan the milling depth in front of the milling drum, left and right
- Laser sensor with laterally movable hydraulic leveling arm including laser transmitter and laser receiver
- Sonic ski sensor for scanning a stringline
- Multiplex sensors with two additional ultrasonic sensors including bracket and cable in 3-fold Multiplex system package, right
- Multiplex sensors with two additional ultrasonic sensors including bracket and cable in 3-fold Multiplex system package, left and right
- Pre-installation of laser sensor including laser signal receiver but excluding laser signal transmitter
- Pre-installation for 3D GPS leveling including receiver mast

#### Operator's platform

- Operator's platform with individually adjustable, comfortable driver's seats, left and right
- Operator's cabin as part of the "Operator Comfort System"
- Operator's platform heating by conducting warm air into the footwell area
- Complete set of fold-in mirrors, partly electric, with stop-and-go indicator
- Hydraulically retracting protective canopy

#### Miscellaneous

- Screen system including display
- Hydraulically operated electrical generator with a capacity of 4 kW at 220 volts
- Hydraulically operated electrical generator with a capacity of 4 kW at 110 volts
- Lighting balloon, 2 kW operated at 220 volts
- Lighting balloon, 2 kW operated at 110 volts
- Electrically operated diesel tank filling pump
- Hydraulically operated water tank filling pump
- Lighting package with 5 halogen and 6 Xenon spotlights
- Bolt-on supplementary weight 1 of 3,087 lbs (1,400 kg)
- Bolt-on supplementary weight 2 of 2,205 lbs (1,000 kg) (additional)
- Large storage compartment in lieu of standard storage compartment at the rear of the machine
- Hydraulically operated high-pressure water cleaner, 150 bar, 4 gal/min (15 l/min)



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