

**Innovative, high-performance machine for a variety
of applications.**

W 210 F / W 210 Fi Milling Machine



Technical Specifications

W 210 F | W 210 Fi

	W 210 F	W 210 Fi
Milling Drum		
Standard milling width	2,000 mm	
Optional milling width 1	2,200 mm	
Optional milling width 2	2,500 mm	
Milling depth *1	0 – 330 mm	
Cutting diameter	1,020 mm	
Engine		
Manufacturer	Caterpillar	Caterpillar
Type	C18 ATAAC	C18 ATAAC
Cooling	Water	Water
Number of cylinders	6	6
Rated power	at 2,100 rpm: 571 kW / 766 hp / 777 PS	at 1,950 rpm: 563 kW / 755 hp / 766 PS
Maximum power	at 1,800 rpm: 571 kW / 766 hp / 777 PS	at 1,700 rpm: 563 kW / 755 hp / 766 PS
Displacement	18.1 l	18.1 l
Fuel consumption at rated power during a mixture of job site operations	142 l / h 57 l / h	147 l / h 59 l / h
Sound power level in accordance with EN 500-2, engine operator's platform	≤ 113 dB(A) ≥ 81 dB(A)	≤ 112 dB(A) ≥ 80 dB(A)
Emissions standards	EU not rated / US EPA Tier 2	EU Stage 5 / US EPA Tier 4f
Electrical System		
Power supply	24 V	
Tank Capacities		
Fuel	1,200 l	
Hydraulic oil	100 l	
Water	3,270 l	
Driving Performance		
Max. travel and milling speed	0 – 100 m / min (6 km / h)	
Track Units		
Crawler units front / back (L x W x H)	1,730 x 300 x 610 mm	
Loading of Milled Material		
Belt width of primary conveyor	850 mm	
Belt width of discharge conveyor	850 mm	
Theoretical capacity of discharge conveyor	375 m ³ /h	

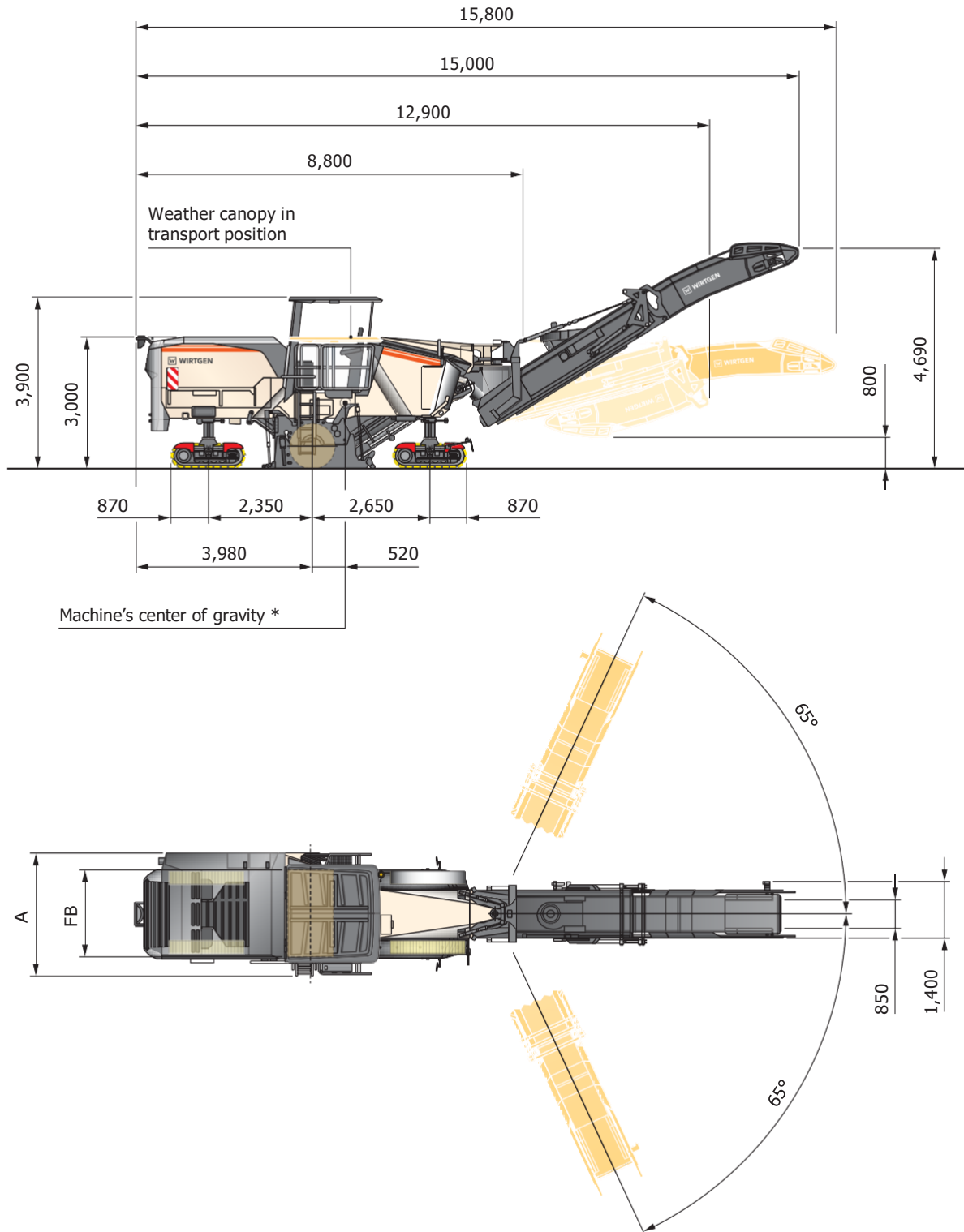
*1 = The maximum milling depth may deviate from the value indicated due to tolerances and wear.

	W 210 F	W 210 Fi
Basic Machine Weight		
Net weight of machine without fluids		27,000 kg
Operating weight, CE *2		29,300 kg
Maximum operating weight (full tanks, full range of equipment) in FB2500		36,500 kg
Weight of tank contents		
Water		3,270 kg
Fuel (0.83 kg / l)		1,000 kg
Additional Weight		
Operator and Tools		
Machine operator		75 kg
5 pick containers		125 kg
Vehicle tool kit		30 kg
Optional Milling Drum Units Instead of Standard		
Quick-change milling drum unit FB2200		220 kg
Quick-change milling drum assembly FB2000 MCS BASIC		670 kg
Quick-change milling drum assembly FB2200 MCS BASIC		920 kg
Quick-change milling drum assembly FB2500 MCS BASIC		1,240 kg
Optional Milling Drums Instead of Standard		
Milling drum FB2000 HT22 LA18 with 146 picks		-70 kg
Milling drum FB2200 HT22 LA15 with 176 picks		150 kg
Milling drum FB2200 HT22 LA18 with 155 picks		20 kg
Optional MCS Milling Drums Instead of Standard		
Milling drum MCS BASIC FB2000 HT22 LA15 with 162 picks		250 kg
Milling drum MCS BASIC FB2000 HT22 LA18 with 146 picks		225 kg
Milling drum MCS BASIC FB2000 HT22 LA15 with 18 standard picks and 144 PCD cutting tools		330 kg
Milling drum MCS BASIC FB2200 HT22 LA15 with 176 picks		470 kg
Milling drum MCS BASIC FB2200 HT22 LA18 with 155 picks		340 kg
Milling drum MCS BASIC FB2200 HT22 LA15 with 18 standard picks and 158 PCD cutting tools		550 kg
Milling drum MCS BASIC FB2500 HT22 LA18 with 171 picks		570 kg
Milling drum MCS BASIC FB2500 HT22 LA18 with 18 standard picks and 153 PCD cutting tools		645 kg
Optional Additional Equipment		
Operator's platform with simple standing seat and large storage compartment		80 kg
Operator's platform with simple standing seat, large storage compartment, and weather canopy		600 kg
Operator's platform with high-quality comfort cabin		850 kg
Two additional weights with a total weight of 1,600 kg (3,307 lbs)		1,600 kg
Large storage compartment at the rear of the machine for 69 pick containers		150 kg
Extension of MCS BASIC with one hydraulically opening side panel		140 kg
VCS extraction system		140 kg
Extension of LEVEL PRO ACTIVE with one leveling boom mounted on the right		50 kg
Extension of LEVEL PRO ACTIVE with two leveling booms mounted on the right and left		75 kg
Extension of LEVEL PRO ACTIVE with one hydraulic sensor mounted on the right		65 kg
Extension of LEVEL PRO ACTIVE with one hydraulic sensor mounted on the right and left		110 kg

*2 = Machine weight, half-full tanks, vehicle tool kits, machine operator, excluding optional equipment

Dimensions

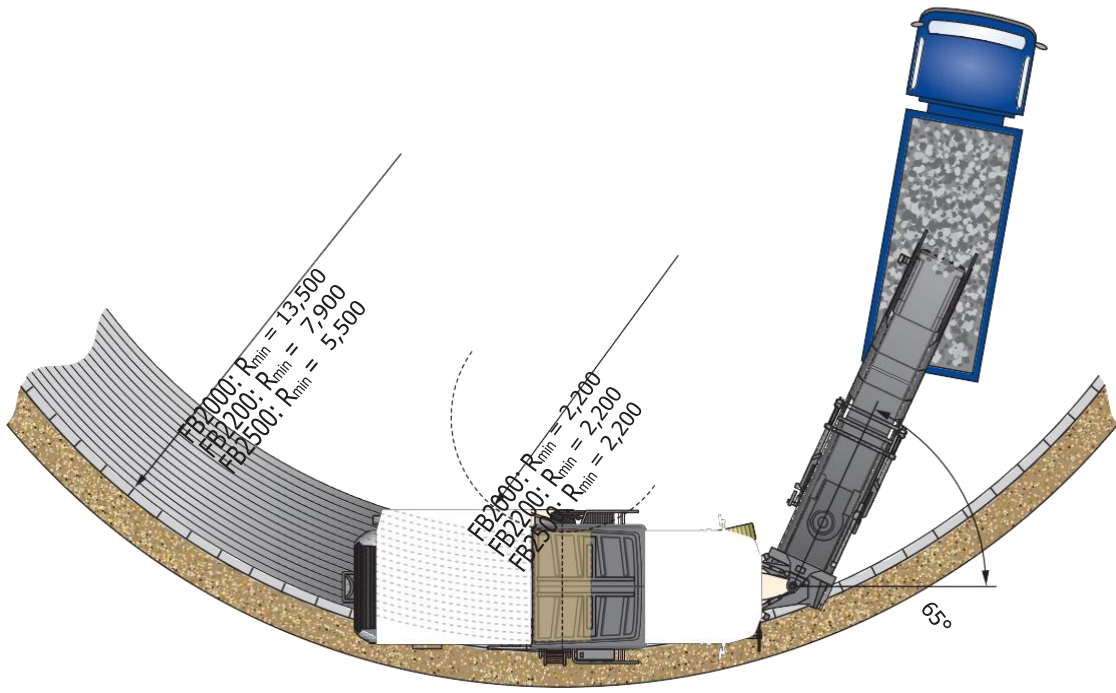
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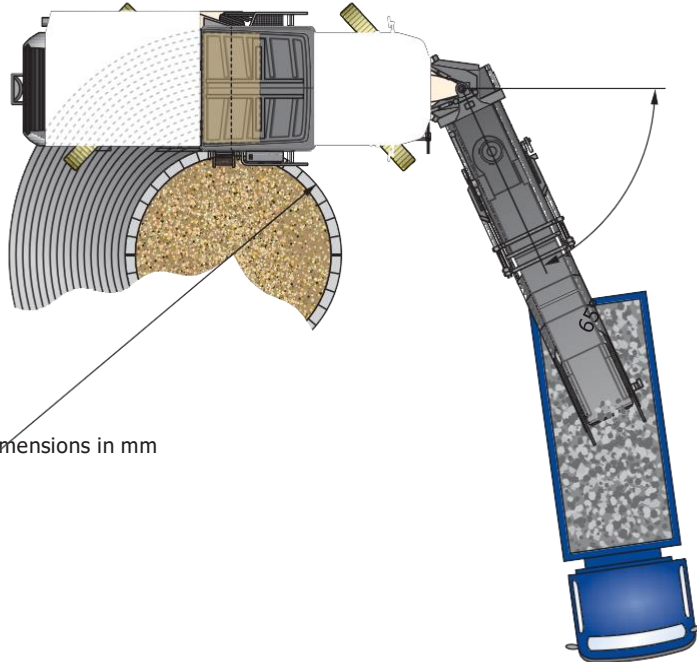
FB	A
2,000	2,500
2,200	2,700
2,500	3,000

Dimensions in mm

* Based on operating weight, CE with conveyor folded out



FB2500: R



Milling radius at milling depth of 150 mm, dimensions in mm

FB2000: $R_{\min} = 2,150$
 FB2200: $R_{\min} = 1,950$
 FB2500: $R_{\min} = 1,700$

Standard Equipment

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Basic Machine	
Base machine with engine	■
Machine frame featuring a single wasp waist at the rear right and a dual wasp waist at the front	■
DUAL SHIFT two-speed powershift transmission for efficient engine speeds combined with powerful milling drum speeds	■
Automatic pressure adjustment of the hydraulic pump for cylinder functions in accordance with performance requirements for reduced diesel consumption	■
Hydraulically opening, soundproof engine cover	■
Air compressor system	■
Battery-operated hydraulic unit for auxiliary drive	■
Two cooling fans to minimize power consumption of the cooling system	■
Milling Drum Unit	
Adjustment of material depressor contact pressure via the control panel or automatically via the MILL ASSIST feature to reduce chunk formation	■
Electrical adjustment of scraper contact pressure via the control panel	■
Automatically controlled locking feature of scraper	■
Milling drum rotation device with electro-hydraulic milling drum drive for slowly turning the milling drum during pick replacement	■
Single-piece water spray bar in the milling drum unit for reliable pick cooling and to prevent dust development	■
Automatic control of the water quantity via the MILL ASSIST feature	■
Height adjustment stroke increased by 150 mm to facilitate pick replacement and the exchange of milling drum units	■
Pre-fitting to allow the quick exchange of milling drum units	■
Hydraulically lifting side plates, clearance right 450 mm, clearance left 330 mm	■
Quick-change milling drum unit FB2000	□
Milling Drums	
Milling drum FB2000 HT22 LA15 with 162 picks	□
Loading of the Milled Material	
Discharge conveyor, 7,900 mm long, 850 mm wide, with hydraulic folding device	■
Increased conveyor swing angles of 65° each to the left and right	■
Discharge conveyor with adjustable conveying speed and two slewing speeds for precise loading	■
Boost feature for a temporary increase of the belt speed and conveying performance of the discharge conveyor by 20%	■
Water spray system in the primary conveyor	■
Larger conveyor pump for a constant belt speed even at a low engine speed of 1,300 rpm	■
Machine Control and Leveling System	
User-friendly control panel including 7" color screen	■
LEVEL PRO ACTIVE leveling system with numerous automated and complementary operator relieving features	■
LEVEL PRO ACTIVE – automatic height control in transport mode	■
LEVEL PRO ACTIVE – ramp milling and auto-start feature for the second milling cut	■
RAPID SLOPE cross-slope sensor for LEVEL PRO ACTIVE leveling system	■

■ = Standard equipment

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

□ = Optional equipment

Machine Control and Leveling System	
MILL ASSIST assistance system for automatic adjustment of the milling drum speed in accordance with the main area of application and the parameters selected in terms of engine load, advance rate, milling volume and quality of the milling pattern	■
Automatic start-stop feature of the milling drum to reduce diesel consumption	■
Comprehensive machine diagnostics on the control panel including, for example, a diagnostic system for the CAN bus	■
Voltmeter integrated into the control panel for voltage measurement in the event of a malfunction	■
Two control panels for operating functions performed by ground crew	■
Operator's Platform	
Convenient access to the operator's platform, left and right	■
Anti-vibration mounted operator's platform across the full width of the machine including fold-out railing, right	■
Electrical control cabinet on the operator's platform for optimum accessibility and fast troubleshooting	■
Electrical level indicator for the water tank on the external control panels	■
Time display on the main control panel and on the exterior control panels	■
Two mirrors at the front, one mirror at the rear of the machine	■
Operator's platform with functional stand-up seat	□
Track Unit and Height Adjustment	
PTS – automatic alignment of the machine parallel to the pavement surface	■
ISC – intelligent track speed control including hydraulic four-track drive	■
Fourfold full-floating axle for high machine stability	■
High travel speed of up to 100 m / min at low engine speeds (1,350 rpm), reduced diesel consumption and low noise emissions	■
Lifting speed of the height adjustment feature increased by 60%	■
Miscellaneous	
"Welcome" and "Go home" lights feature in the area of the operator's platform and access	■
Large storage compartment on the machine for pick containers	■
High-pressure water system with automatic on / off function, 18 bar, 67 l / min	■
Good accessibility to all maintenance points on the engine station	■
Pneumatic hammer with pick extractor / inserter	■
Large tool kit in lockable tool box	■
A total of six EMERGENCY STOP switches in appropriate positions on the machine	■
Pre-fitting for installing the WITOS FleetView control unit	■
European type certification, EuroTest mark and CE conformity	■
Water tank filling from rear of machine	□
Standard painting in RAL 9001 (cream)	□
WITOS FleetView – professional telematics solution for machine operation and service optimization	□
Standard LED lighting system with 20,600 lumens	□

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Optional Equipment

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Milling Drum Unit	
Quick-change milling drum unit FB2200	<input type="checkbox"/>
Quick-change milling drum unit FB2000 MCS BASIC	<input type="checkbox"/>
Quick-change milling drum unit FB2200 MCS BASIC	<input type="checkbox"/>
Quick-change milling drum unit FB2500 MCS BASIC	<input type="checkbox"/>
Extension of MCS BASIC with a hydraulically opening side door for FB2000	<input type="checkbox"/>
Extension of MCS BASIC with a hydraulically opening side door for FB2200	<input type="checkbox"/>
Extension of MCS BASIC with a hydraulically opening side door for FB2500	<input type="checkbox"/>
Electrically switchable sectional water spray bar for FB2000	<input type="checkbox"/>
Electrically switchable sectional water spray bar for FB2200	<input type="checkbox"/>
Electrically switchable sectional water spray bar for FB2500	<input type="checkbox"/>
Quick-change milling drum unit FB2000 MCS and milling drum MCS BASIC FB2000 LA15	<input type="checkbox"/>
Quick-change milling drum unit FB2200 MCS and milling drum MCS BASIC FB2200 LA15	<input type="checkbox"/>
Quick-change milling drum unit FB2500 MCS and milling drum MCS BASIC FB2500 LA18	<input type="checkbox"/>
Milling Drums	
Milling drum FB2000 HT22 LA18 with 146 picks	<input type="checkbox"/>
Milling drum MCS BASIC FB2000 HT22 LA15 with 162 picks	<input type="checkbox"/>
Milling drum MCS BASIC FB2000 HT22 LA18 with 146 picks	<input type="checkbox"/>
Milling drum FB2200 HT22 LA15 with 176 picks	<input type="checkbox"/>
Milling drum FB2200 HT22 LA18 with 155 picks	<input type="checkbox"/>
Milling drum MCS BASIC FB2200 HT22 LA15 with 176 picks	<input type="checkbox"/>
Milling drum MCS BASIC FB2200 HT22 LA18 with 155 picks	<input type="checkbox"/>
Milling drum MCS BASIC FB2500 HT22 LA15 with 193 picks	<input type="checkbox"/>
Milling drum MCS BASIC FB2500 HT22 LA18 with 171 picks	<input type="checkbox"/>
Milling drum FB2000 HT22 LA8 with 272 picks	<input type="checkbox"/>
Milling drum FB2000 HT22 LA25 with 126 picks	<input type="checkbox"/>
Milling drum FB2000 HT5 LA6X2 with 672 picks	<input type="checkbox"/>
Milling drum FB2200 HT22 LA8 with 297 picks	<input type="checkbox"/>
Milling drum FB2200 HT22 LA25 with 134 picks	<input type="checkbox"/>
Milling drum FB2200 HT5 LA6X2 with 740 picks	<input type="checkbox"/>
Milling drum MCS BASIC FB2000 HT22 LA8 with 272 picks	<input type="checkbox"/>
Milling drum MCS BASIC FB2000 HT22 LA25 with 126 picks	<input type="checkbox"/>
Milling drum MCS BASIC FB2000 HT5 LA6X2 with 672 picks	<input type="checkbox"/>
Milling drum MCS BASIC FB2000 HT22 LA15 with 18 standard picks and 144 PCD tools	<input type="checkbox"/>
Milling drum MCS BASIC FB2200 HT22 LA8 with 297 picks	<input type="checkbox"/>
Milling drum MCS BASIC FB2200 HT22 LA25 with 134 picks	<input type="checkbox"/>
Milling drum MCS BASIC FB2200 HT5 LA6X2 with 740 picks	<input type="checkbox"/>
Milling drum MCS BASIC FB2200 HT22 LA15 with 18 standard picks and 158 PCD tools	<input type="checkbox"/>
Milling drum MCS BASIC FB2500 HT22 LA8 with 335 picks	<input type="checkbox"/>
Milling drum MCS BASIC FB2500 HT22 LA25 with 141 picks	<input type="checkbox"/>
Milling drum MCS BASIC FB2500 HT22 LA18 with 18 standard picks and 153 PCD tools	<input type="checkbox"/>
Loading of the Milled Material	
VCS extraction system	<input type="checkbox"/>
Support device for discharge conveyor	<input type="checkbox"/>
ACTIVE CONVEYOR swing angle control for discharge conveyor	<input type="checkbox"/>

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Loading of the Milled Material	
Actual milling depth measurement and display on the LEVEL PRO ACTIVE panel	<input type="checkbox"/>
Overload sensors installed on the scraper	<input type="checkbox"/>
Active floating position for the side plates, left and right	<input type="checkbox"/>
Wear protection rollers for side plates, left or right	<input type="checkbox"/>
Mounting aid for lifting out the primary conveyor when changing the milling drum unit	<input type="checkbox"/>
Milling drum mounting and transport cart FB1500 to FB2500	<input type="checkbox"/>
Transport roller set for simplified milling drum unit change (FB1500 – FB3800)	<input type="checkbox"/>
5" control panel for controlling the leveling system	<input type="checkbox"/>
7" control panel for displaying the machine control system and for controlling the leveling system	<input type="checkbox"/>
Qty. 1 – 2" control panel including favorites buttons	<input type="checkbox"/>
Qty. 2 – 2" control panels including favorites buttons	<input type="checkbox"/>
User-specific saving of machine settings via SMART KEY key fob	<input type="checkbox"/>
Extension of LEVEL PRO ACTIVE with leveling booms and one Sonic Ski sensor	<input type="checkbox"/>
Extension of LEVEL PRO ACTIVE with one hydraulic sensor mounted on the right	<input type="checkbox"/>
Extension of LEVEL PRO ACTIVE with two hydraulic sensors mounted on the left and the right	<input type="checkbox"/>
Extension of LEVEL PRO ACTIVE with two ultrasonic sensors for multiplex scanning	<input type="checkbox"/>
Extension of LEVEL PRO ACTIVE with four ultrasonic sensors for multiplex scanning	<input type="checkbox"/>
Extension of LEVEL PRO ACTIVE with pre-fitting for 3D leveling for machines without canopy	<input type="checkbox"/>
Extension of LEVEL PRO ACTIVE with pre-fitting for 3D leveling for machines with canopy	<input type="checkbox"/>
Extension of LEVEL PRO ACTIVE with two laser receivers	<input type="checkbox"/>
Operator's Platform	
Operator's platform with functional stand-up seat, large storage compartment	<input type="checkbox"/>
Operator's platform with functional stand-up seat, large storage compartment, and weather protection canopy	<input type="checkbox"/>
Operator's platform with a high-quality comfort cabin	<input type="checkbox"/>
Additional stand-up seat for operator's platform	<input type="checkbox"/>
Miscellaneous	
Hydraulically operated filling pump for water refilling	<input type="checkbox"/>
Standard film coating in RAL 9001 (cream)	<input type="checkbox"/>
Film coating according to the customer's wishes	<input type="checkbox"/>
Model without WITOS FleetView	<input type="checkbox"/>
Extended LED lighting system with 37,600 lumens	<input type="checkbox"/>
High-performance LED lighting system with 50,000 lumens, including LED lighting balloon	<input type="checkbox"/>
Two additional weights with a total weight of 1,600 kg	<input type="checkbox"/>
Large storage compartment at the rear of the machine for 69 pick containers	<input type="checkbox"/>
Storage compartment close to the rear track units for 8 pick containers	<input type="checkbox"/>
Warm air heating close to the operator's hands and feet	<input type="checkbox"/>
Signal lights for visual "stop" and "go" instructions for the truck driver	<input type="checkbox"/>
Powerful high-pressure water cleaner, 150 bar, 15 l / min	<input type="checkbox"/>
Hydraulic pick ejector	<input type="checkbox"/>
2-fold camera system	<input type="checkbox"/>
4-fold camera system with 10" control panel	<input type="checkbox"/>
8-fold camera system with 10" control panel	<input type="checkbox"/>
Dual starter system	<input type="checkbox"/>
Electrical diesel suction and pressure pump including 7.50 m suction hose	<input type="checkbox"/>
License plate holder with LED lighting	<input type="checkbox"/>
Hydraulically powered sweeping unit	<input type="checkbox"/>

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