

Performing to the highest quality standards.

Cold Recycler and Soil Stabilizer WR model series

WR 200 | WR 200i | WR 240 | WR 240i | WR 250 | WR 250i



Outstanding features of the WR series of cold recyclers/ soil stabilizers

1 |

WIDE RANGE OF APPLICATIONS

Finely tuned WR model series for a wide range of applications in soil stabilization and cold recycling.

2 |

AUTOMATED FEATURES FOR EFFICIENT OPERATION

Numerous automated features ensure highly efficient operation.

3 |

PRECISE METERING SYSTEMS FOR BINDER ADDITION

Reliable, high-precision metering systems for improved mixing quality.

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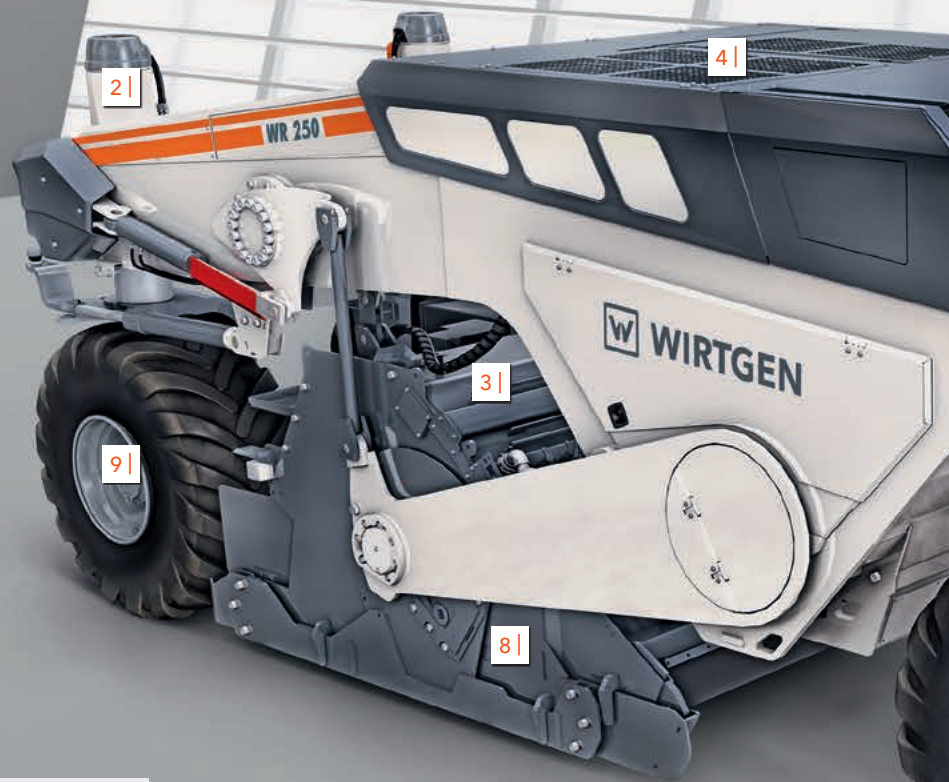
STEERING SYSTEM TAILORED TO FIELD REQUIREMENTS

Steering systems tailored to field requirements for maximum flexibility on the construction site.

8 |

HIGH MILLING AND MIXING PERFORMANCE

Our expertise and experience of many years for maximum milling and mixing performance.



4 |

EFFICIENT ENGINE AND DIAGNOSTIC SYSTEMS

High-powered engine and high-tech diagnostic systems for maximum operational availability.

5 |

PERFECT VISIBILITY CONCEPT AND COMPREHENSIVE CAMERA SYSTEM

The operator is additionally supported by a perfect visibility concept and intelligent camera system.

6 |

PERFECTION IN ERGONOMIC DESIGN AND HANDLING

Intuitive operating concept and outstanding ergonomic design for high machine productivity.

5 |

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7 |

7 |

OUTSTANDING ALL-TERRAIN MOBILITY

Unrivalled all-terrain mobility for maximum performance in particular in soil stabilization.







Added value

that pays dividends.

SOIL STABILIZER OR COLD RECYCLER? HIGH PERFORMANCE OR ECONOMIC EFFICIENCY? HIGH QUALITY OR HIGH PRODUCTIVITY? WHY DON'T YOU SIMPLY CHOOSE THEM ALL. CHOOSE A MACHINE FROM THE WIRTGEN WR MODEL SERIES. IT COMBINES ALL OF THESE FEATURES INTO A MACHINE CONCEPT OFFERING SUPERIOR QUALITY STANDARDS THROUGHOUT: FITTED WITH INNOVATIVE TECHNOLOGIES. FUTURE-PROOF. EFFECTIVE. THE WIRTGEN WR MODEL SERIES. THE PERFECT SOLUTION FOR EACH TYPE OF JOB.

Three machine models – world class times three

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The compact WR 200 /WR 200i



The WR 200 /WR 200i does not require a special permit for transport thanks to its compact design and low weight. The machine is suitable for a wide range of applications in both soil stabilization and cold recycling.

The multipurpose WR 240 /WR 240i



The WR 240 /WR 240i is the all-rounder in the WIRTGEN fleet. It offers maximum flexibility for all applications in soil stabilization and cold recycling thanks to its large working width and working depth paired with high milling and mixing performance.

The top-performing WR 250 /WR 250i



The WR 250 /WR 250i is a high-performance machine designed to cater to the particularly demanding applications. Its tremendous milling and mixing performance enables the machine to tackle even the toughest jobs in soil stabilization and pulverize hard asphalt layers. With a host of advantages to recommend it, the WR 250 /WR 250i represents the yardstick when it comes to handling the greatest challenges in soil stabilization and cold recycling.

Working width:	6 ft 7 in (2,000 mm)	Milling performance:	5.5 HP/in
Working depth:	0 to 20 in (0 to 500 mm)	Ideal performance range in soil stabilization:	10,000 to 50,000 ft ² /day (1,000 to 5,000 m ² /day)
Maximum engine output WR 200:	315 kW/422 HP/428 PS	Ideal performance range in cold recycling:	4,000 to 8,000 ft ² /day (400 to 800 m ² /h)
Maximum engine output WR 200i:	320 kW/429 HP/435 PS	Recycling depth in asphalt:	4.0 to 6.0 in (10 to 15 cm)
Operating weight, CE, WR 200:	53,351 lbs (24,200 kg)		
Operating weight, CE, WR 200i:	54,013 lbs (24,500 kg)		

Working width:	7 ft 10 in (2,400 mm)	Milling performance:	6.5 HP/in
Working depth:	0 to 20 in (0 to 510 mm)	Ideal performance range in soil stabilization:	40,000 to 80,000 ft ² /day (4,000 to 8,000 m ² /day)
Maximum engine output WR 240:	455 kW/610 HP/619 PS	Ideal performance range in cold recycling:	5,000 to 10,000 ft ² /h (500 to 1,000 m ² /h)
Maximum engine output WR 240i:	455 kW/610 HP/619 PS	Recycling depth in asphalt:	6.0 to 8.0 in (15 to 20 cm)
Operating weight, CE, WR 240:	66,139 lbs (30,000 kg)		
Operating weight, CE, WR 240i:	67,461 lbs (30,600 kg)		

Working width:	7 ft 10 in (2,400 mm)	Milling performance WR 250:	8.2 HP/in
Working depth:	0 to 22 in (0 to 560 mm)	Milling performance WR 250i:	7.8 HP/in
Maximum engine output WR 250:	571 kW/766 HP/777 PS	Ideal performance range in soil stabilization:	65,000 to 130,000 ft ² /day (6,000 to 12,000 m ² /day)
Maximum engine output WR 250i:	563 kW/755 HP/766 PS	Ideal performance range in cold recycling:	8,000 to 14,000 ft ² /h (700 to 1,200 m ² /h)
Operating weight, CE, WR 250:	69,887 lbs (31,700 kg)	Recycling depth in asphalt:	8.0 to 10.0 in (20 to 25 cm)
Operating weight, CE, WR 250i:	70,548 lbs (32,000 kg)		

Wide range of applications

FULL-FLEDGED SOIL STABILIZER

The finely tuned WIRTGEN WR model series offers the perfect solution for each type of job in soil stabilization and cold recycling. Soil stabilization scores top marks in comparison to soil exchange as it requires fewer truck transports, results in shorter construction times, saves resources and reduces CO₂ emissions. When operating as a soil stabilizer, the WR uses its powerful milling and mixing rotor to mix pre-spread binders, such as lime or cement, into the existing, insufficiently stable soil at working depths of up to 22 inches (560 mm) to convert it into a construction material of high quality in an in-situ process.

The resulting homogeneous soil-binder mixture offers high tensile strength, compressive strength and shear strength values as well as long-term water resistance, frost resistance and volume stability. Typical applications include the construction of paths, roads, motorways, foundations, parking lots, sports grounds, industrial parks or facilities, airports, embankments, backfills or landfills.

Its perfect ergonomic design and visibility concept, high performance and excellent mixing quality, maximum all-terrain mobility, automated features and numerous other highlights make the WR a pioneer on all soil stabilization sites in terms of delivering high performance at low cost.

The WR model series fully covers all performance classes in soil stabilization.

	WR 200/WR 200i	WR 240/WR 240i	WR 250/WR 250i
Full performance range	5,000 to 85,000 ft ² /day (500 to 8,000 m ² /day)	10,000 to 110,000 ft ² /day (1,000 to 10,000 m ² /day)	20,000 to 160,000 ft ² /day (2,000 to 15,000 m ² /day)
Ideal performance range	10,000 to 50,000 ft ² /day (1,000 to 5,000 m ² /day)	40,000 to 85,000 ft ² /day (4,000 to 8,000 m ² /day)	60,000 to 130,000 ft ² /day (6,000 to 12,000 m ² /day)





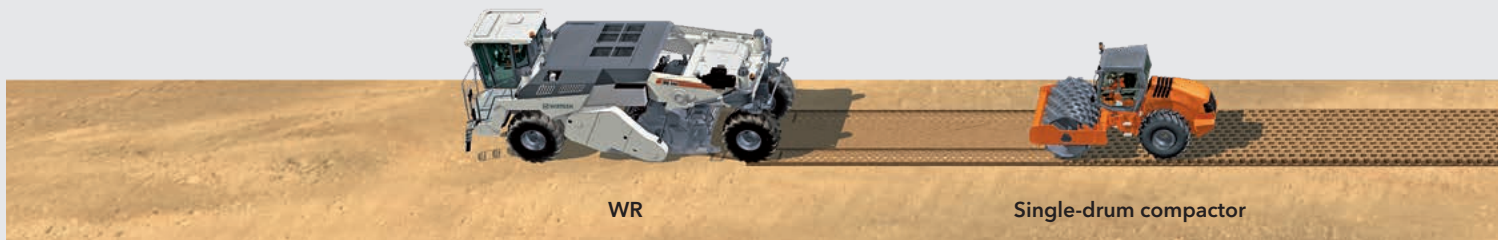
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|---------------------------|--|
| 1 Binder spreader | 5 Single-drum compactor |
| 2 WR soil stabilizer | 6 Pre-spread binder |
| 3 Single-drum compactor | 7 Milling and mixing rotor |
| 4 Grader | 8 Processed, homogeneous soil-binder mixture |



Wide range of applications

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HOMOGENIZATION



SOIL STABILIZATION WITH ADDED LIME



SOIL STABILIZATION WITH ADDED CEMENT



For homogenization, the WR uses its powerful milling and mixing rotor to granulate and scarify the existing soil without added binders. The homogenized soil mixture is graded by a motor grader and then compacted by different HAMM rollers.



For soil stabilization, binder is pre-spread in a first step by the all-wheel driven Streumaster SW 19 SC "Rhino". Following behind the binder spreader, the WR uses its powerful milling and mixing rotor to mix the existing soil and pre-spread binder. The resulting homogeneous soil mixture is graded by a motor grader and then compacted by different HAMM rollers.



For the production of a new hydraulically bound base layer, cement is pre-spread in a first step by a Streumaster towed spreader, which is followed by a water tanker truck. The WR then uses its powerful milling and mixing rotor to mix the existing material and pre-spread cement. Water is simultaneously injected into the mixing chamber via an injection bar. The resulting homogeneous base course material is graded by a motor grader and then compacted by different HAMM rollers.



Wide range of applications

HIGH-PERFORMANCE COLD RECYCLER

Steadily increasing volumes of car and truck traffic cause structural damage to the individual layers of asphalt roads over time, thus reducing their bearing capacity. When operating as a recycler, the WR corrects these deficiencies quickly and economically while being efficient on resources at the same time. It is equipped with a powerful milling and mixing rotor and state-of-the-art injection systems. The cold recycler mills and granulates the existing asphalt pavement, injects binders and water in precisely metered quantities and mixes all three in a single operation. The new base layers produced in this in-situ process

are distinctive for their exceptionally high bearing capacity.

The range of additives or binders suitable for cold recycling includes cement, water, bitumen emulsion and foamed bitumen. Highly precise metering, consistently high mixing quality, clearly structured, easy operation and precise levelling guarantee perfect work results.

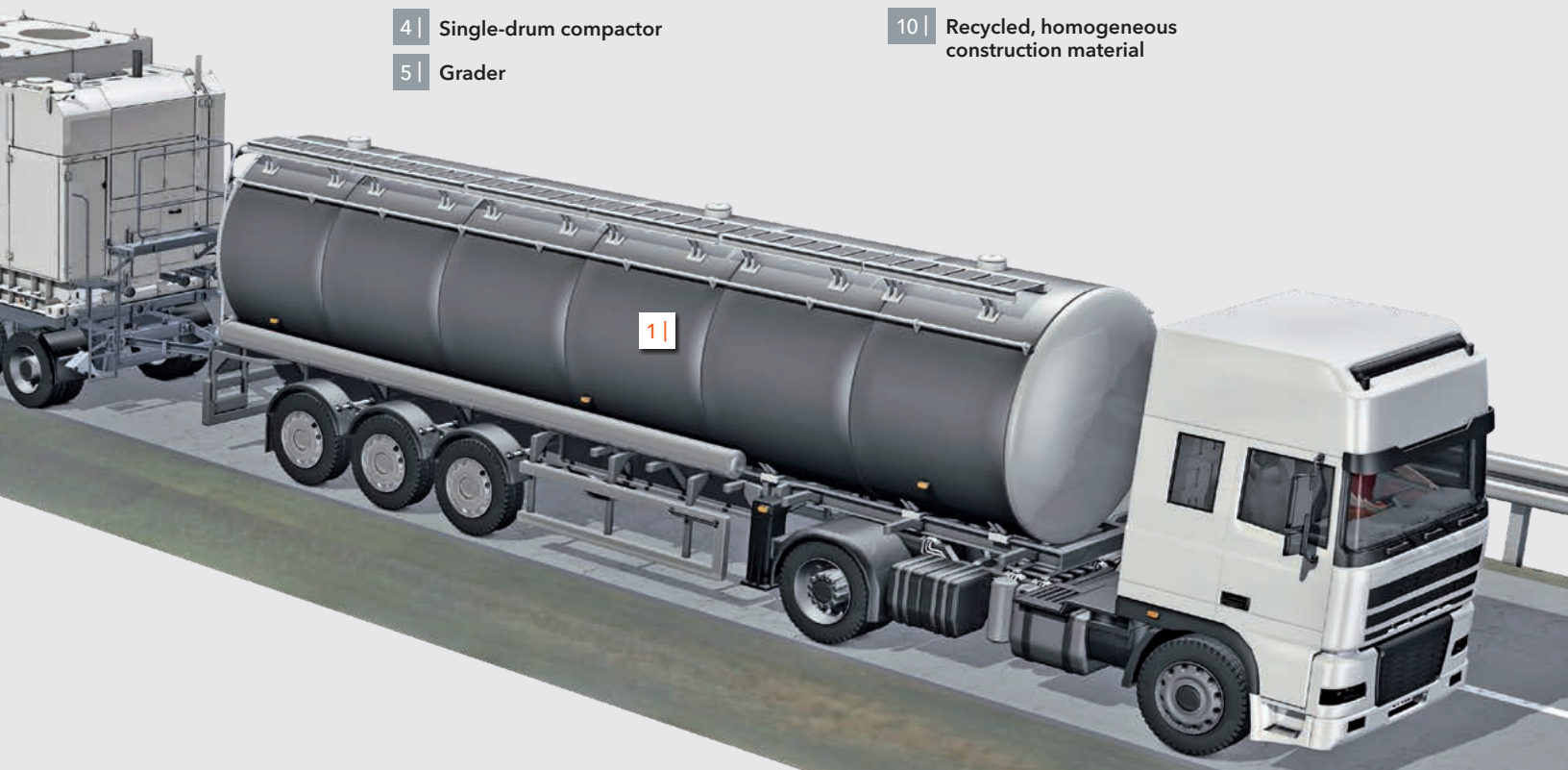
The different machines of the WR model series are the ideal choice for all types of operations ranging from the recycling of thin asphalt layers on minor roads with low traffic volumes all the way to recycling up to 10 inches (250 mm) thick asphalt layers on heavily trafficked motorways exposed to extremely high loads.

The WR model series covers the full range of applications in cold recycling.			
	WR 200/WR 200i	WR 240/WR 240i	WR 250/WR 250i
Ideal performance range	up to 8,000 ft ² /h (800 m ² /h)	up to 10,000 ft ² /h (1,000 m ² /h)	up to 12,000 ft ² /h (1,200 m ² /h)
Recycling depth in asphalt	3.9 to 5.9 in (10 to 15 cm)	5.9 to 7.9 in (15 to 20 cm)	7.9 to 9.8 in (20 to 25 cm)





- | | |
|---|--|
| 1 Bitumen tanker truck | 6 Tandem roller |
| 2 WM 1000 slurry mixer (in combination with WR 240 / WR 240i / WR 250 / WR 250i only) | 7 Milling and mixing rotor |
| 3 WR 240 / WR 240i / WR 250 / WR 250i cold recycler | 8 Injected foamed bitumen |
| 4 Single-drum compactor | 9 Injected water-cement slurry |
| 5 Grader | 10 Recycled, homogeneous construction material |



Wide range of applications

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RECYCLING WITH PRE-SPREAD CEMENT



RECYCLING WITH PRE-SPREAD CEMENT AND BITUMEN EMULSION



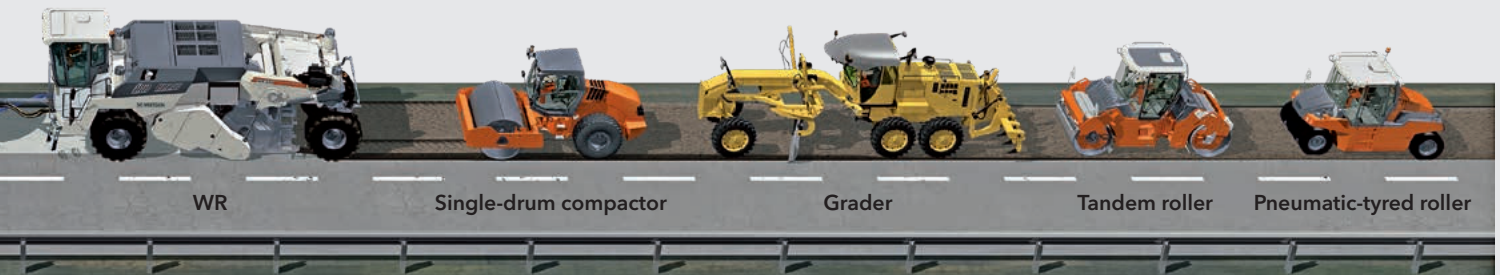
RECYCLING WITH CEMENT SLURRY AND FOAMED BITUMEN



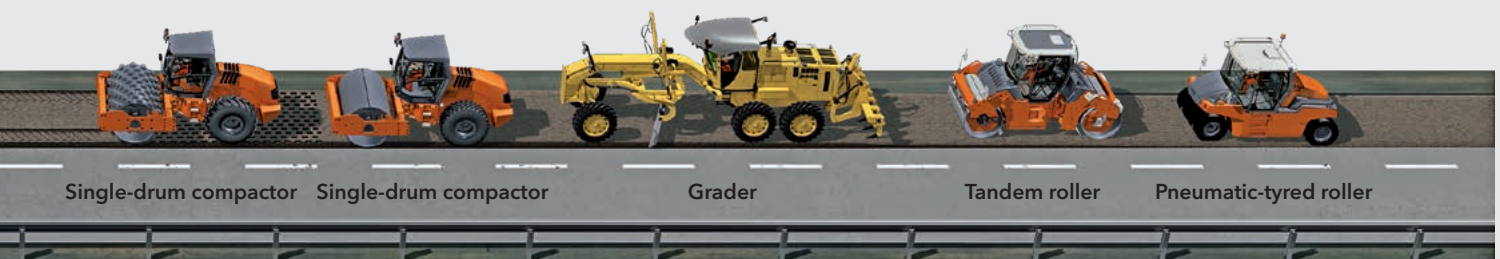
For the production of a hydraulically bound base layer, a layer of cement is pre-spread in a first step by a Streumaster binder spreader, which is followed by a water tanker truck. The WR uses its powerful milling and mixing rotor to granulate the damaged pavement layers, simultaneously mixing in the pre-spread cement and injected water. The resulting homogeneous construction material is finish-graded by a motor grader and then compacted by different HAMM rollers.



Small quantities of cement are pre-spread in a first step by a Streumaster binder spreader, which is followed by water and emulsion tanker trucks. The WR uses its powerful milling and mixing rotor to granulate the damaged pavement layers, simultaneously mixing in the pre-spread cement and injecting water and bitumen emulsion into the mixing chamber via two separate, microprocessor-controlled injection bars. The resulting homogeneous construction material is finish-graded by a motor grader and then compacted by different HAMM rollers.



A bitumen tanker truck travels ahead, followed by a WIRTGEN WM 1000 slurry mixer. The bitumen tanker truck and slurry mixer supply the WR 240/WR 240i, WR 250/WR 250i with the binders required for recycling the pavement in need of repair. The recycler uses its powerful milling and mixing rotor to granulate the damaged pavement layers, simultaneously injecting water-cement slurry and foamed bitumen into the mixing chamber via two microprocessor-controlled injection bars. The resulting homogeneous construction material is finish-graded by a motor grader and then compacted by different HAMM rollers.





A man wearing a black cap and a dark t-shirt is seated in the operator's cab of a machine, looking out the window. The cab has a large window and a control panel with various buttons and a joystick. The background shows a construction site with dirt and some structures.

Designed with
human-machine
interaction in mind.

ALL IS SET TO GO, WAITING FOR YOUR COMMAND. INNOVATIVE COMPUTER-ASSISTED SYSTEMS ARE THERE TO SUPPORT YOU. RELIEVING YOU OF A SIGNIFICANT PART OF YOUR WORKLOAD. ECONOMIC. PRODUCTIVE. ADD TO THIS: PERFECTION IN ERGONOMIC DESIGN, VISIBILITY AND COMFORT IN THE INNOVATIVE, SPACIOUS OPERATOR'S CABIN. GIVING YOU FULL CONTROL: PERFECTLY DESIGNED INTERACTION BETWEEN MAN AND MACHINE. RELAXED WORKING, TREMENDOUS OUTPUT.



Perfection in ergonomic design and handling

SPACE AND OPERATOR COMFORT - TWO PREREQUISITES FOR SUCCESS

The workplace of the machine operator has been designed with precisely this concept in mind. The soundproof, spacious cabin of the WR offers ample room to move, a comfortable interior and pleasant indoor temperatures.

Its numerous equipment features include a comfortable driver's seat, powerful climate control and heating system, radio with CD player, compressed-air connection and air gun for cabin cleaning, backlit controls and ample storage space. These features not only increase operator comfort and performance but also improve the machine's productivity on a daily basis.



1 | The multifunctional joystick on the right arm console fits perfectly into the palm of the operator's hand.

2 | The colour screen mounted on the steering column is positioned in the operator's immediate field of view.

TAKING ERGONOMICS TO A WHOLE NEW LEVEL

The anatomically shaped driver's seat with spring and air cushioning is the WR's showpiece in terms of ergonomic design. It can be fully adjusted to the operator's personal preferences, guaranteeing a comfortable seating position for many hours. In addition, ergonomically designed controls are integrated in both arm consoles. Arranged within easy reach, they allow

intuitive operation. All important machine features have been grouped together intelligently in the multifunctional joystick of the right-hand arm console and can therefore be performed with effortless ease. The entire driver's seat including arm consoles and steering column can be swivelled through 90 degrees to either side, giving the operator full visibility towards the rear of the machine while maintaining a relaxed body posture.

The individually adjustable comfort seat enables the operator to find the perfect position.



1 | The machine offers ready access to the spacious operator's cabin.

2 | Transport is permitted on all standard flatbed trucks – the WR 200 does not even require a special transport permit.



Perfection in ergonomic design and handling

THE WR MAKES WORK EASY - DAY AFTER DAY

Construction projects are nowadays carried out under tremendous pressure of time with no regard for adverse weather, darkness or night. This is where the intelligent lighting concept comes into play. The lighting system of the WR comprises six working lights at the front of the cabin, optionally in LED design, two spotlights each on the left and right side, two cornering lights at the rear and two spotlights allowing flexible mounting by means of magnetic bases.

The comprehensive lighting system fully illuminates all important points of the machine and its surroundings.

Operation can thus continue at full swing even after the sun has set. "Welcome" and "Go home" lights feature: when walking towards or away from the WR, the machine's surroundings can be illuminated by means of LED lights. Safety first: side railings are folded up in a few simple steps when working on the engine or cooler. The cabin complies with ROPS/FOPS standards, offering maximum protection for the machine operator.





Automated features for efficient operation

The WR raises the rotor out of the cut while reversing.

BOOSTING PERFORMANCE AT THE MERE PUSH OF A BUTTON

The WR has been provided with an intelligent automated feature which controls lowering and raising of the milling and mixing rotor. The operator initiates the automated process by means of the multifunctional joystick; the WR completes it all on its own: in a first step, the machine is lowered rapidly, and the front and rear rotor plates move into previously specified positions. Once the lifting columns are in working position, the milling and mixing rotor is lowered into the ground until the previously set working depth has been reached. Moving the joystick forward then enables forward motion of the machine. The excavation developing at the end of each cut is closed by initiating - via joystick - the automated feature raising the rotor out of the cut.

While the WR drives a few metres, the cut is fully closed by one of the rotor plates. At the same time, the rotor is slowly raised out of the cut, and the lifting columns move the machine into transport position.

The milling and mixing rotor moves into the previously specified position.





Large glass windows and numerous mirrors offer excellent visibility.

Perfect visibility concept and comprehensive camera system

ENHANCED VISIBILITY ENHANCES PRODUCTIVITY

Good visibility is of vital importance for safe operation and fast-paced processes. The WR offers a visibility concept that is unique in the industry: large glass windows on the left, front and right side of the cabin are complemented by a set of mirrors tailored to field requirements to provide the operator with a full view of the entire construction site. The spacious cabin can be moved to project over the edge of the machine on the

right, and the driver's seat swivelled through 90 degrees to offer an unobstructed view of the working edge. This array of features makes child's play of operating flush to kerb without the need for extensive reworking.

The excellent view of the working edge on the right side of the machine ensures highly precise recycling along pavement kerbs on the one hand while enabling highly precise overlaps on the other.



1-2 | The cabin can be moved far to the right hydraulically, enabling the operator to look past a recycling train travelling ahead.

3 | Turning his seat after moving the cabin to the right gives the operator a full view of the right-hand working edge.

4 | The right-hand wheels travel inside the working width to allow flush-to-kerb operation.

Perfect visibility concept and comprehensive camera system

SECOND-TO-NONE CAMERA SYSTEM

Camera systems are developing into increasingly important support tools when it comes to monitoring the operation and process sequences of machines and applications in which good visibility is a must. A reversing camera is included in the basic on-board equipment package of the WR model series.

The intelligent reverse assist system supports the machine operator during reverse travel by fading in driving assistance lines.

At the customer's request, a system comprising as many as four high-resolution colour cameras can be installed at the rear of the machine, on the left side of the machine and underneath the machine at the front and rear rotor plates. When operating several cameras, an additional screen is installed to display the camera images.

In the final analysis, complete visibility into important operating processes and areas, such as driving up to obstacles or assessing work results, achieves a significant increase in quality, performance and economic efficiency.

Four cameras offer perfect visibility and maximum operator comfort.

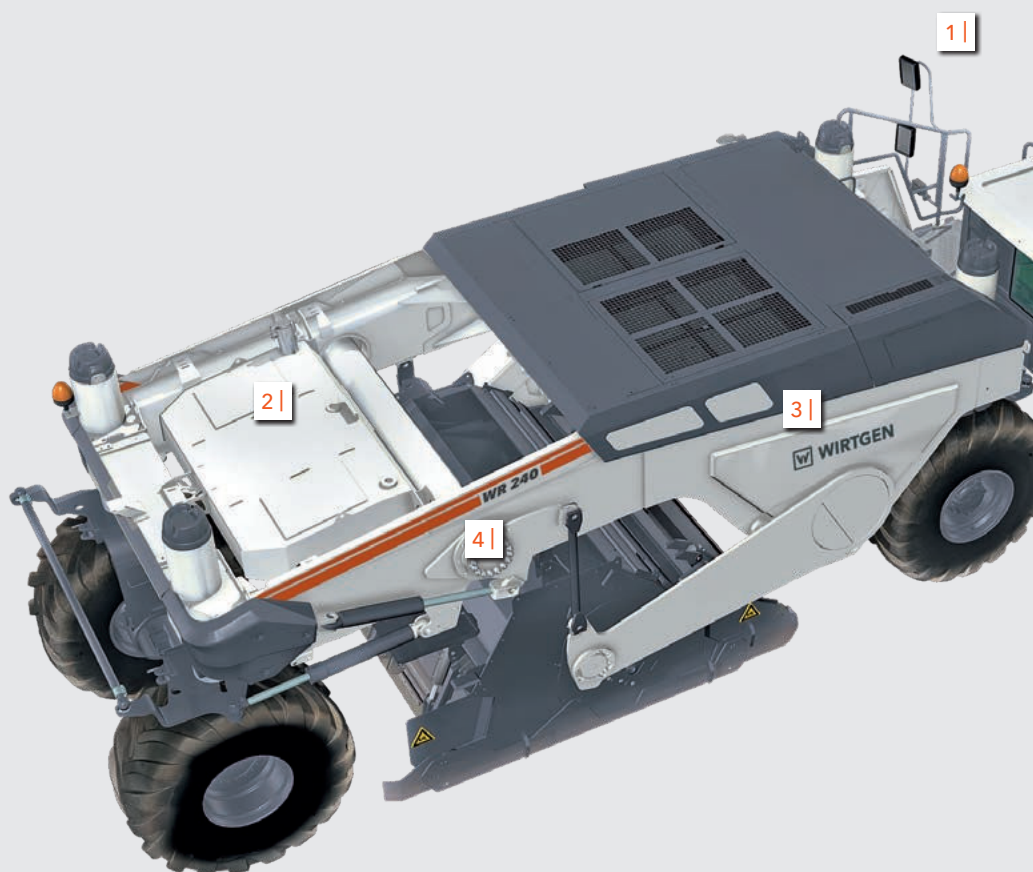
OVERVIEW OF CAMERAS:



1 | Camera on the left machine side



2 | Camera at the rear of machine



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1 | The images are displayed on the control screen - including automatic reverse assist.

2 | The camera installed at the rear provides images of what is going on behind the machine.

3 | Switching between cameras is effected manually via the joystick.



4 | Camera at the front rotor plate



3 | Camera at the rear rotor plate

2 |



3 |





Compelling features designed for
an entirely new performance class.



EVERYDAY CHALLENGES ON THE CONSTRUCTION SITE: EXTREMELY UNEVEN GROUND. MANOEUVRING IN RESTRICTED SPACE CONDITIONS. STABILIZING OR RECYCLING ON DIFFICULT GROUND. ROUTINE FOR THE WR. INNOVATIVE WIRTGEN TECHNOLOGIES PUT YOUR COMMANDS INTO ACTION WITH PINPOINT PRECISION. ADD TO THIS: HIGH ENGINE POWER AND AMPLE POWER RESERVES. THE WR: BENCHMARK IN DRIVING STABILITY, MANOEUVRABILITY AND TRACTION - TAKING PERFORMANCE TO AN ENTIRELY NEW DIMENSION.



The machine's all-wheel drive enables it to operate even on deep, excessively wet ground.

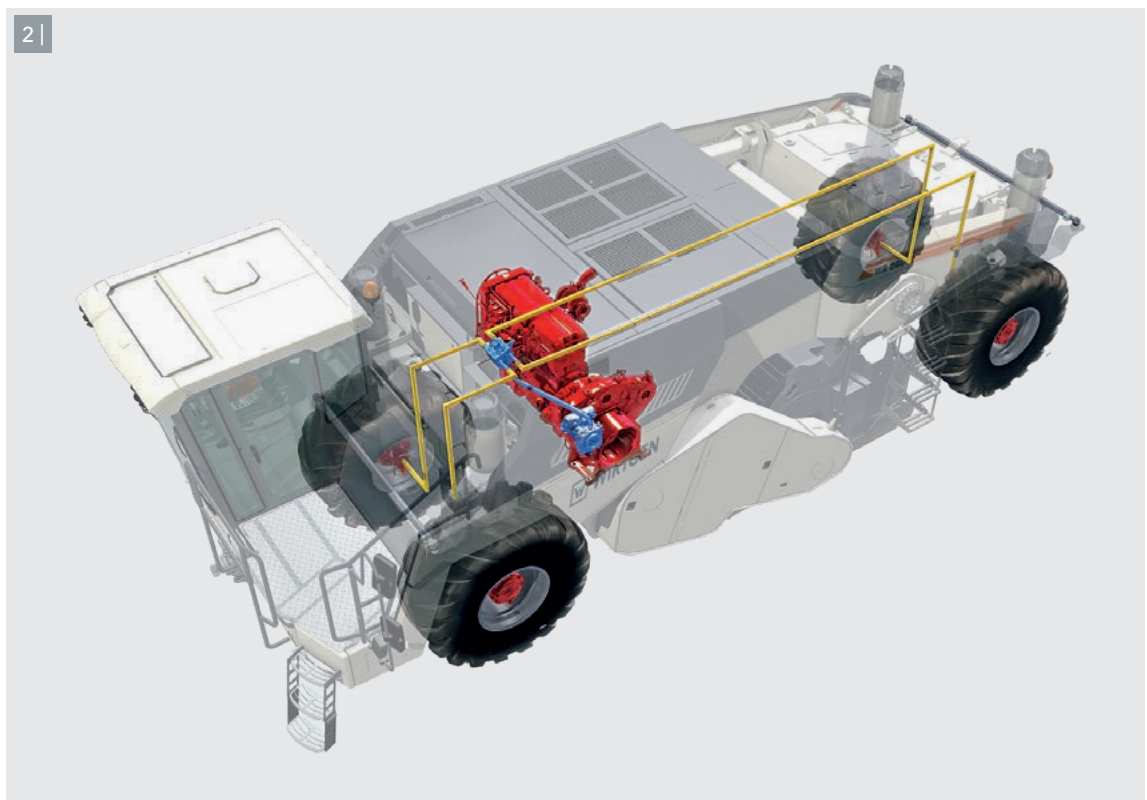
Outstanding all-terrain mobility

EASY JOB ON HEAVY GROUND

Traction is the magic word for efficient soil stabilization on deep, muddy ground, and of that the WR has enough and to spare. Extra large, deep-tread tyres are effective in transmitting the engine's high drive power into the ground. The powerful all-wheel drive ensures constant maximum traction of each of the four hydrostatically driven wheels. Intelligent distribution of the machine's weight adds to ensuring uniform traction. An automatic power controller governs the machine's advance speed in accordance with the engine load, thus dispensing with the need to engage or disengage the differential lock.

Automatic height adjustment via the machine's fourfold full-floating axle is yet another feature that plays its trumps where high ground clearance is required when operating on deep, muddy ground. The machine's advance speed is continuously adjustable from zero to maximum speed both during operation and in transport mode.

In short: the WR is the ideal candidate for mixing in binders on difficult ground.



1 | The engage-able hydraulic flow divider guarantees consistently high traction regardless of ground conditions.

2 | The machine's all-wheel drive distributes the drive power evenly to all four wheels.



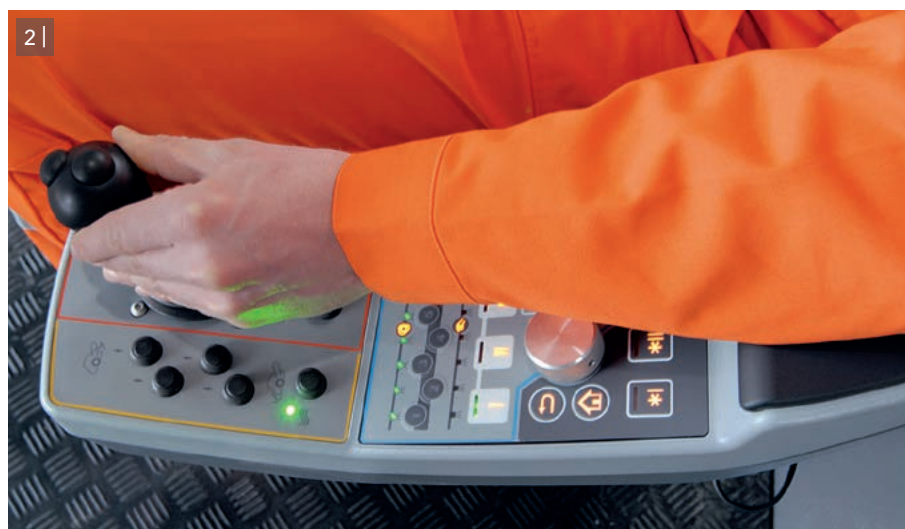
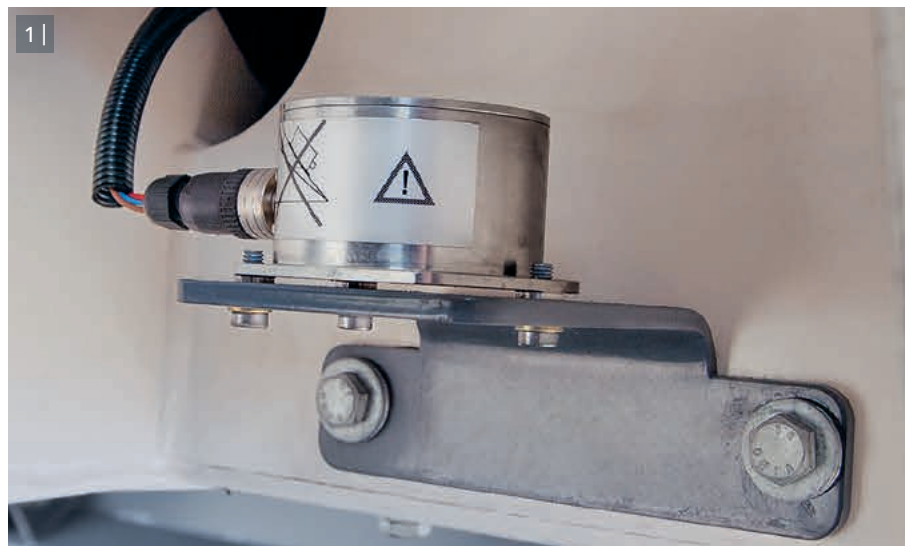
*Levelling out
ground irregularities
is an easy exercise
for the WR.*

Outstanding all-terrain mobility

STABLE DRIVING PERFORMANCE AND AMPLE GROUND CLEARANCE

The WR moves effortlessly even on extremely uneven ground while retaining its horizontal alignment all the time. The machine's automatic fourfold full-floating axle and electronic cross slope sensor are important features when it comes to ensuring machine stability and balance. The cross slope sensor enables the WR to operate parallel to the surface or at the specified cross slope. The tried-and-tested, fourfold full-floating lifting column design can be relied

on to level out any major ground irregularities quickly and in a dynamic process. It enables the milling and mixing rotor to always maintain the specified working depth both on the left and right side, thus ensuring precise work results. The wheels are height-adjustable in pairs – left, right, front or rear – for full adjustment to site conditions. When driving crosswise on sloping terrain, the operator can adjust the machine to a more convenient horizontal position by means of the “roll” feature. And the operator benefits, too – high driving convenience promotes relaxed working.



1 | The cross slope sensor is used to set and maintain the specified cross slope.

2 | Longitudinal gradient and cross slope are adjusted conveniently via the left-hand joystick.

3-4 | "Roll" feature: the machine levels out horizontally at the mere flick of a switch.



Straight-ahead mode:
the front wheels are
steered via the steering
wheel.

The rear wheels remain
in straight-ahead position
automatically but can be
steered separately via the
joystick.



Working
direction

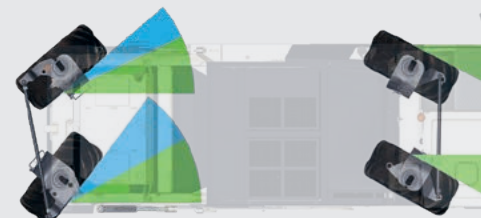


Crab steering mode:
all four wheels are steered
at parallel angles via the
steering wheel.

Working
direction



Working
direction



Working
direction



*Different steering
modes for superior
ease of operation.*

Steering system tailored to field requirements

QUICK MANOEUVRING IN RESTRICTED SPACE CONDITIONS

An electrohydraulic “steer-by-wire” steering system provides the WR with everything it takes for easy and smooth steering behaviour. The machine operator can choose among three different steering modes: straight-ahead, crab or cornering mode. Each of the three steering modes is the fastest way to reach the intended position in its specified field of application. In cornering mode, the WR is capable of performing a minimum turning radius of 14 ft 9 in (4,500 mm). The innovative oversteering feature enables the rear

wheels to be turned even further, allowing the WR to perform an exceptionally small turning radius of no more than 10 ft 4 in (3,150 mm). This undercuts even the minimum turning radius of standard passenger cars.

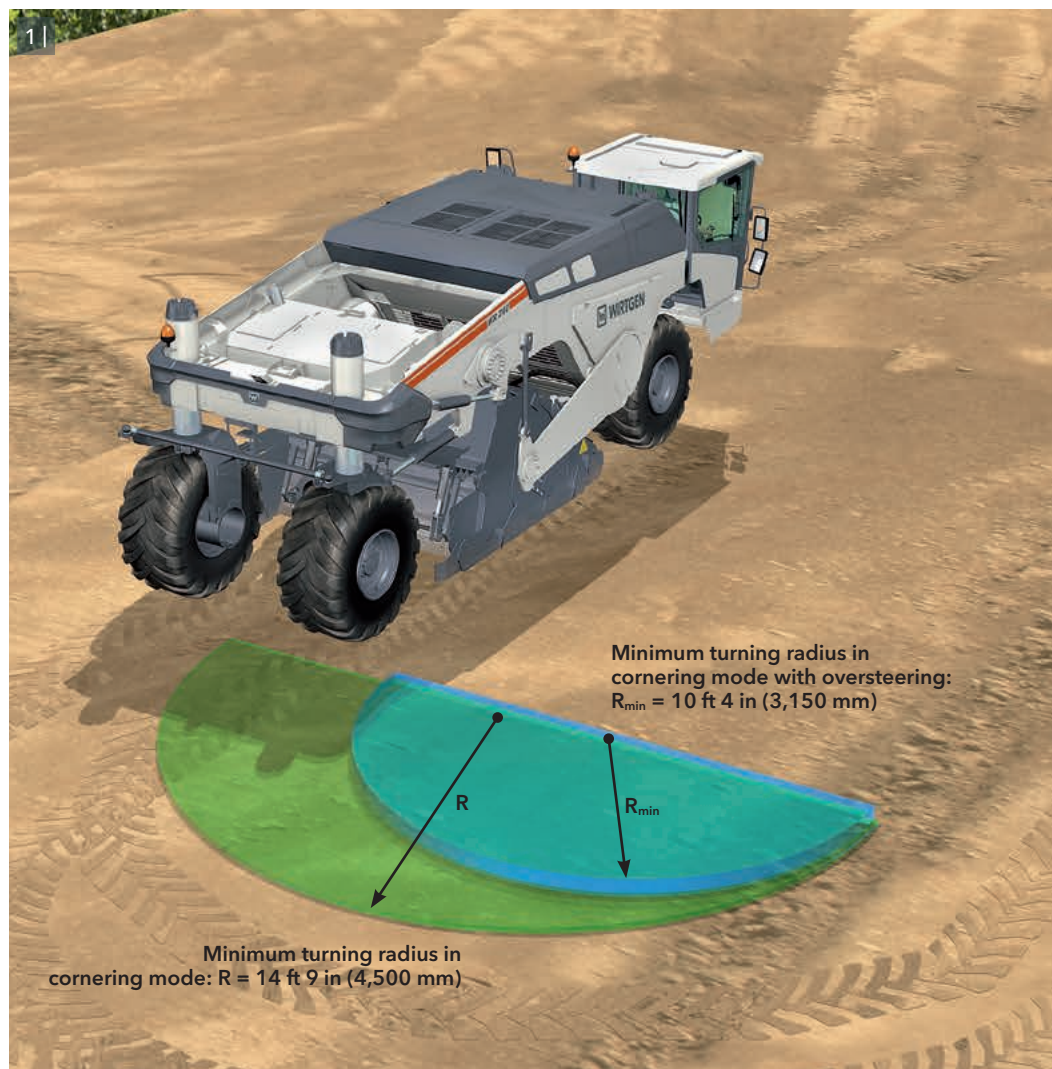
The currently selected steering mode is clearly displayed at all times and can be conveniently changed via the multifunctional joystick. The highly precise steering system and free choice of steering mode relieve the operator, enabling him to focus on productivity and on ensuring that his work meets the highest quality standards.

Cornering mode:

the front and rear wheels are steered synchronously via the steering wheel to permit small turning radii.

Cornering mode with oversteering feature:

once a specified steering angle has been reached, the rear wheels can be turned even further via the steering wheel. Oversteering enables even smaller turning radii to be achieved.



1 | In cornering mode, the machine operator can oversteer the rear axle to achieve minimum turning radii.

2 | The exceedingly small turning radius enables quick turning manoeuvres even in extremely restricted space conditions.

Efficient engine and diagnostic systems

SUPERIOR ENGINE TECHNOLOGY

The state-of-the-art, high-torque diesel engine installed in the WR model series is the ideal candidate for strength-sapping soil stabilization and cold recycling operations. But it also uses its "brains" as the intelligent, fully electronic engine management system optimizes engine performance: the torque is maintained at a constantly high level even in case of extreme engine lugging. If required, ample torque reserves enable even higher engine outputs to be achieved. Automatic adjustment of the engine speed reduces fuel consumption.

Needless to say that the engine technology of the WR model series complies with the current standards of exhaust gas after-treatment:

WR 200 = EU Stage 3a/US Tier 3

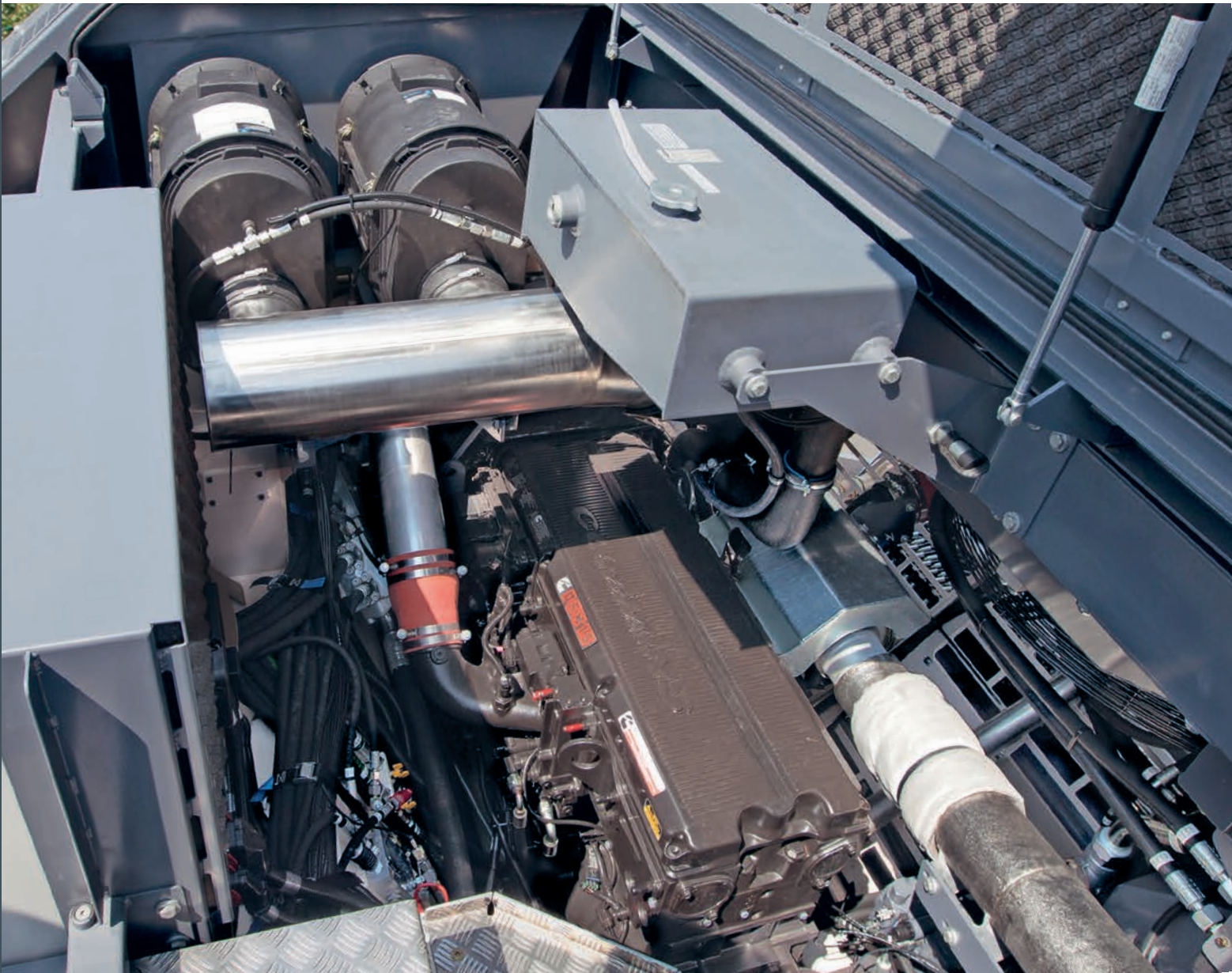
WR 200i = EU Stage 4/US Tier 4f

WR 240 = EU Stage 3a/US Tier 3

WR 240i = EU Stage 4/US Tier 4f

WR 250 = US Tier 2

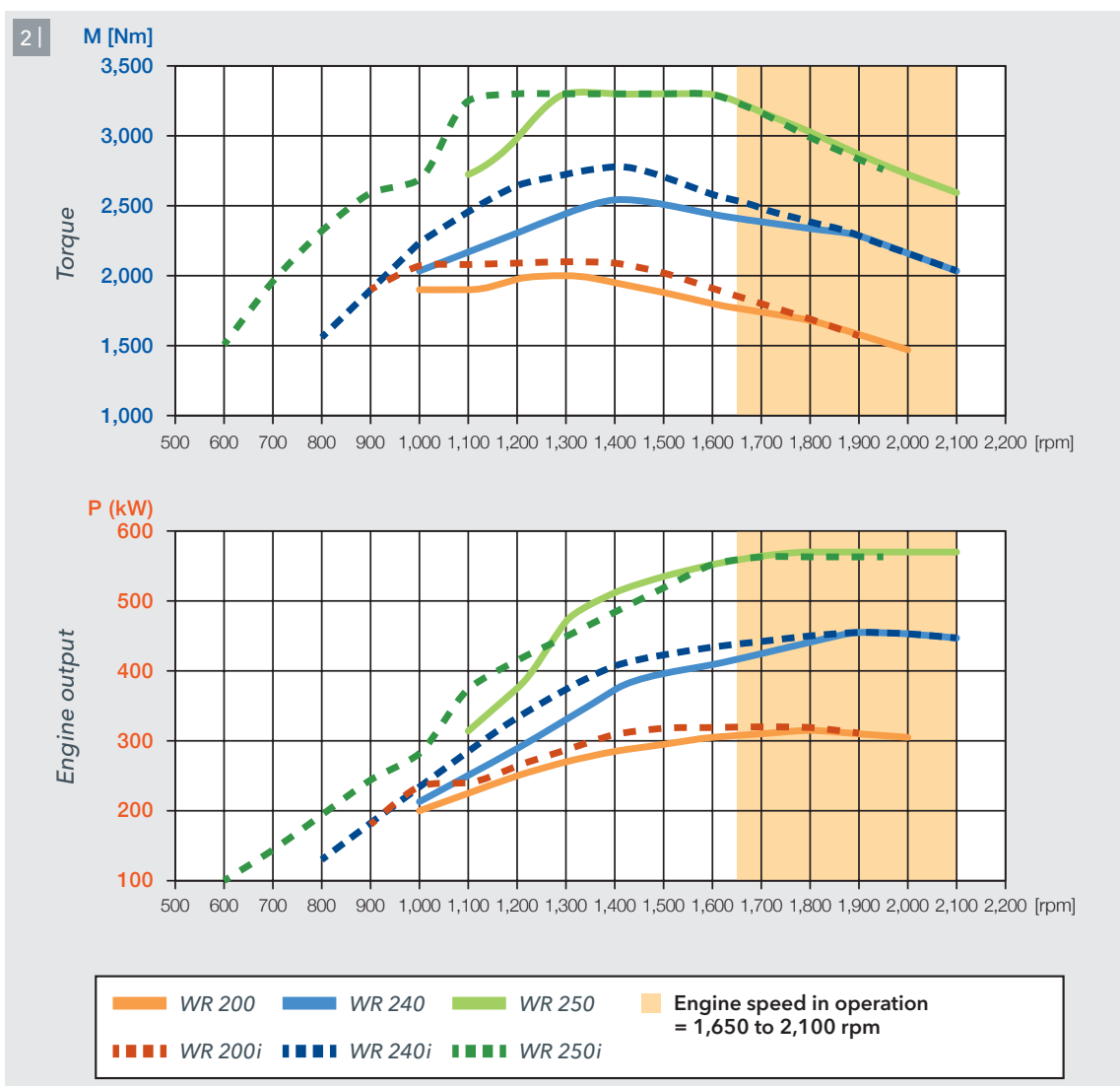
WR 250i = US Tier 4f





1 | The soundproof engine cowling opens at a mere flick of the wrist.

2 | All engine models installed in the different WR models impress with ideal characteristics: increased engine loading reduces engine speed and increases torque while the engine output remains nearly constant.





1 |

1 | High-tech diagnostic systems increase productivity.

Efficient engine and diagnostic systems

QUICK ON-BOARD DIAGNOSTICS

State-of-the-art measuring technology is by far superior to conventional, manual measuring methods. We have therefore equipped the WR with high-tech diagnostic systems which enable maintenance diagnostics, parameter settings or troubleshooting to be performed quite effortlessly via the control panel in the operator's cabin. The machine's automatic diagnostic system autonomously monitors valves, sensors and control components. Numerous clearly visualized

pages provide quick and accurate information on the machine's current operating parameters. In addition, maintenance requirements are minimized by extended servicing intervals and an intelligent maintenance concept. The few points of maintenance are arranged in a clear pattern and offer easy access from the ground or via access ladders.

In short: maximum operational availability of the WR is ensured.



2 | When opened, the engine cowling offers ready access to the engine compartment, hydraulic system, air filter and pumps.

3 | The oil level can be checked quickly and easily from the ground.



4 | Diagnostics and parameter settings are performed via the control screen.





**High-tech features
for premium quality:
it's the mix that counts.**

PERFECTLY ENGINEERED MILLING TECHNOLOGY - WIRTGEN'S CORE EXPERTISE. USING PERFECTLY MATCHED HIGH-TECH COMPONENTS. MANUFACTURED FROM HIGH-QUALITY MATERIALS, OPTIMIZED IN BOTH FUNCTIONALITY AND DESIGN. INCLUDING STATE-OF-THE-ART, HIGHLY PRECISE METERING SYSTEMS FOR DIFFERENT TYPES OF BINDERS. FOR HIGH MILLING AND MIXING PERFORMANCE, PERFECT MIXING QUALITY AND HIGH AREA PERFORMANCE. IN OTHER WORDS: SUCCESS GUARANTEED.



1 |

1 | WIRTGEN milling and mixing rotors guarantee perfect mix quality.

High milling and mixing performance

HEART AND SOUL - THE PERFECTLY ENGINEERED MILLING AND MIXING ROTOR

Milling technology is our core expertise, and that is why the milling and mixing rotor installed in the WR appears to be cast from a single mould. Engine output and milling performance of the different machine models have been perfectly matched, the respective combinations of working width and working depth enabling efficient operation. The massive rotor design promotes smooth rotation without any jolts or shocks, thus reducing stress and strain on the

drive elements. Toolholders on high bases have been arranged across the entire width of the milling and mixing rotor in a perfect pattern to guarantee homogeneous mixing of the construction materials regardless of the working depth. The hydraulic rotor turning device moves the rotor into the ideal position effortlessly to assist the operator with tool replacement. In addition, the hard-wearing quick-change toolholder system ensures optimum tool rotation, easy tool replacement and effective, continuous operation for extended periods of time.



2	WR 200/ WR 200i	WR 240/ WR 240i	WR 250/ WR 250i
Working width	6 ft 7 in (2,000 mm)	7 ft 10 in (2,400 mm)	7 ft 10 in (2,400 mm)
Working depth	0 to 19.7 in (0 to 500 mm)	0 to 20.1 in (0 to 510 mm)	0 to 22 in (0 to 560 mm)

3	WR 200/ WR 200i	WR 240/ WR 240i	WR 250/ WR 250i
Maximum engine output	315 kW/422 HP 320 kW/429 HP	455 kW/610 HP 455 kW/610 HP	571 kW/766 HP 563 kW/755 HP
Milling performance	5.5 HP/in	6.5 HP/in	8.2 HP/in 7.8 HP/in



2 | Comparing the working width and working depth of the different machine models.

3 | Comparing the engine output and milling performance of the different machine models.



4 | Homogeneous quality of the recycled mix even in tough operating conditions.

5 | Tool replacement made easy using the hydraulic cutting tool extractor.

High milling and mixing performance

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43

1 | The intelligent drive design ensures fuel economy and ease of maintenance.

2 | Different engine speeds can be adjusted from the operator's platform.

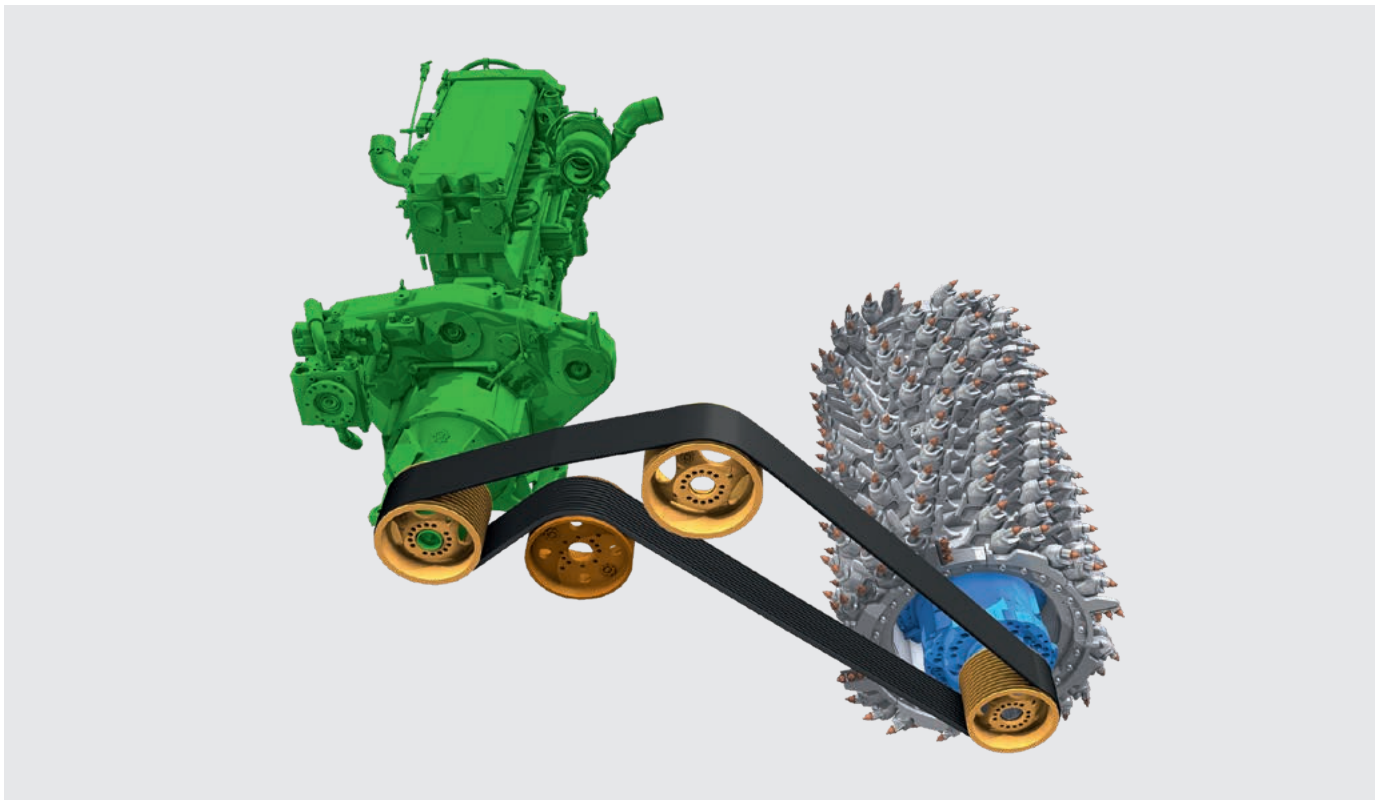


EFFECTIVE MILLING ROTOR DRIVE

The WR features a direct mechanical rotor drive which translates high engine power into an equally high milling and mixing output. Large wrap angles on the belt pulleys enable the heavy-duty power belt to transmit the engine power to the rotor gearbox with only minimum performance losses, thus ensuring high efficiency. Positive side effects of the intelligent drive concept are fuel economy and ease of maintenance.

Direct mechanical drive via power belt with automatic belt tensioner.

In addition, nine (WR 200/WR 200i, WR 240/WR 240i) and twelve (WR 250/WR 250i) different rotor speeds, respectively can be adjusted via the right-hand arm console in the operator's cabin and the two-stage rotor gearbox on the one hand, and by repositioning the belt pulleys on the other. When adjusted to the correct rotor speed, the WR achieves the specified mixing results at the highest possible advance speed and lowest possible fuel consumption rates.



ROTOR LA 20 FOR WR 200/WR 200i, WR 240/WR 240i

Regardless of whether the agenda specifies soil stabilization or cold recycling operations – for each model of the WR series, only one milling and mixing rotor is needed to complete the job. The rotor of the WR 200/WR 200i, WR 240/WR 240i is fitted with cutting tools arranged at a tool spacing of 0.8 in (20 mm). The tooling has been perfectly tailored to the performance of these machine models and represents the ideal solution for all applications in soil stabilization and cold recycling.

Toolholders with shank diameters of 0.8 in/0.9 in (20 mm/22 mm) or 1 in (25 mm) can be used in accordance with application requirements.

ROTOR LA 30X2 FOR WR 250/WR 250i

The rotor installed in the WR 250/WR 250i has a tool spacing of 30x2 mm – two cutting tools per turn are positioned at a tool spacing of 1.2 in (30 mm) each. Featuring a large number of cutting tools, the rotor has been perfectly matched to the machine's high performance and high advance speed.

Combining high engine power with an exceptionally robust milling and mixing rotor ensures premium mix quality even at high machine advance rates. Toolholders with shank diameters of 0.8 in/0.9 in (20 mm/22 mm) or 1 in (25 mm) can be used in accordance with application requirements.

Equipped with the LA 30 x 2 rotor, the WR 250/WR 250i achieves the exceptionally high production rates specified for this operation.



MILLING AND MIXING ROTOR FOR THE WR 250/WR 250i

Cutting tool arrangement precisely tailored to the performance of the WR 250/WR 250i

Hard-wearing quick-change toolholder system

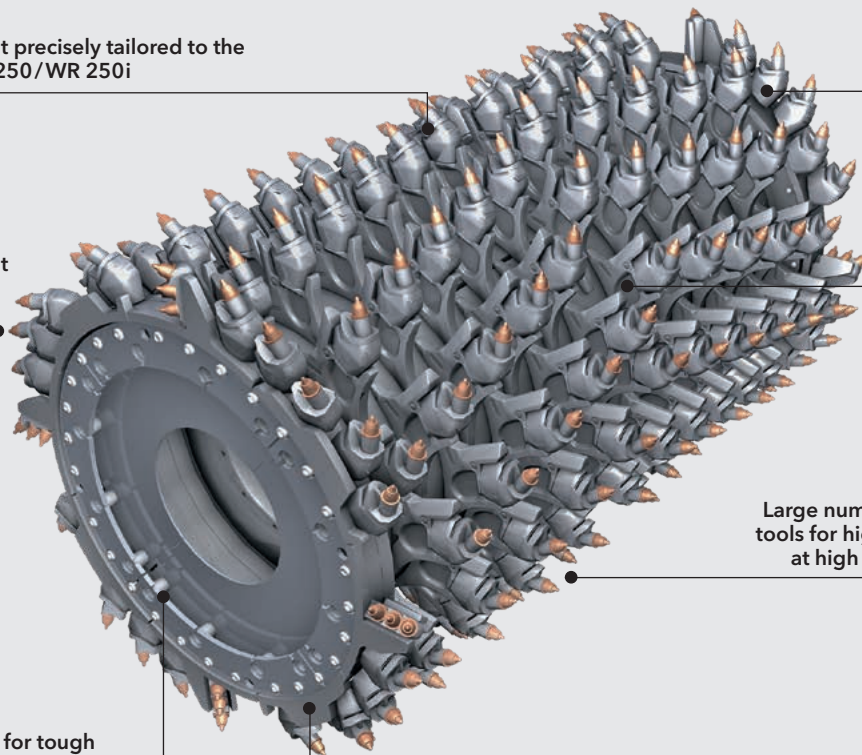
Cutting tool arrangement at a tool spacing LA = 30x2 mm

High, heavy-duty forged holder bases

Large number of cutting tools for high mix quality at high advance rates

Rotor especially suitable for tough cold recycling applications, such as pulverizing hard asphalt layers

Interchangeable edge ring segments open at the sides





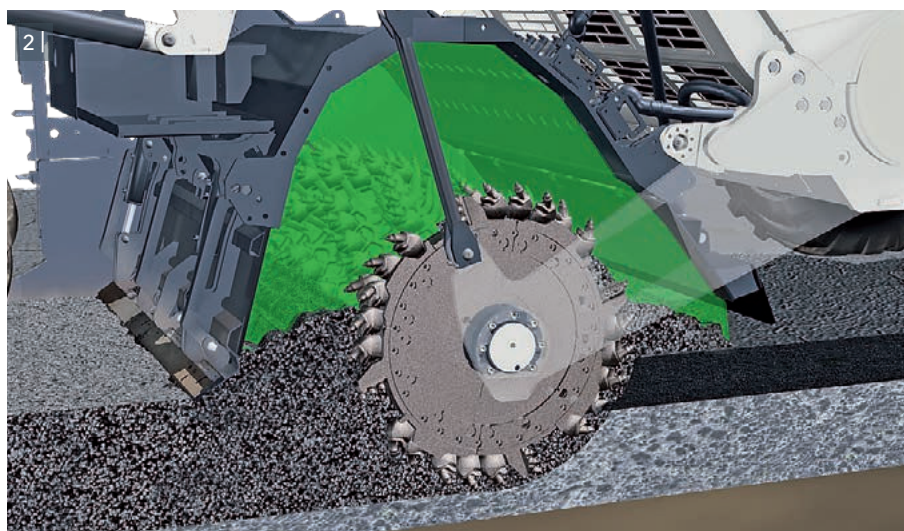
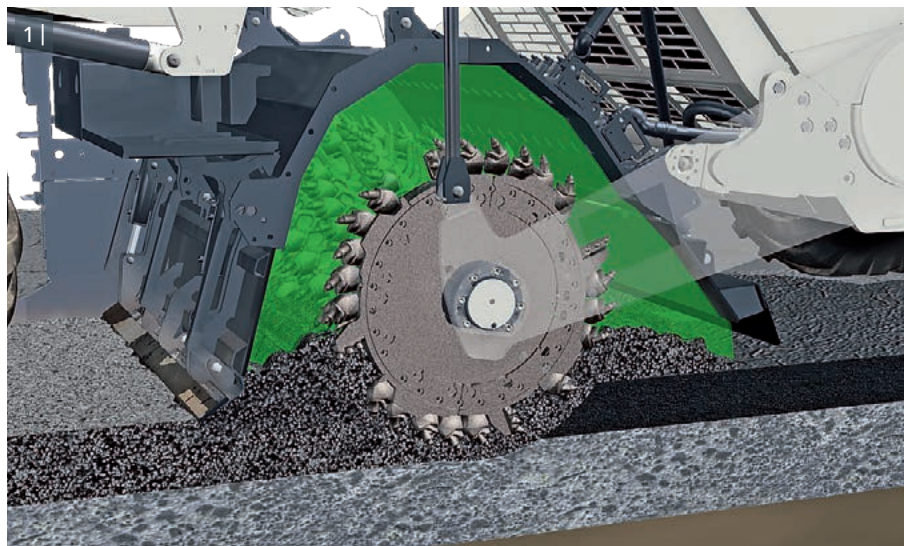
The hydraulically adjustable crusher bar at the front rotor plate pulverizes even large asphalt slabs.

High milling and mixing performance

PREMIUM MIXING QUALITY REGARDLESS OF THE WORKING DEPTH

The rotor housing and rotor plates have been designed to perfectly match the powerful milling and mixing rotor. The mixing chamber volume is adjusted to the current working depth and material quantity automatically by raising or lowering the rotor. The variable mixing chamber increases with the working depth, thus ensuring maximum performance and good mixing results even when operating at the maximum depth.

These features enable the machine to produce perfectly homogeneous mixes from the milled material and binders added. In addition, optimized transport of the mix in the rotor housing results in a tremendous increase in throughput and productivity. The rotor plates at the front and rear provide effective closure of the mixing chamber, serve as material guides and are used to level off the stabilized or recycled layer.

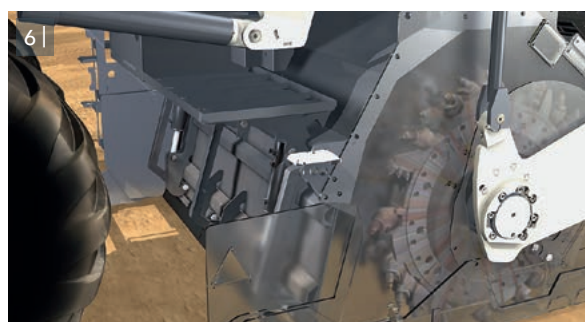
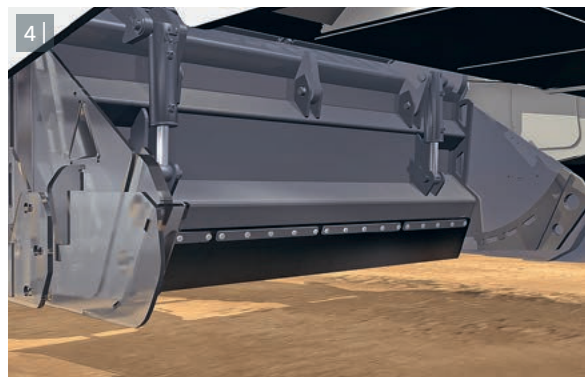
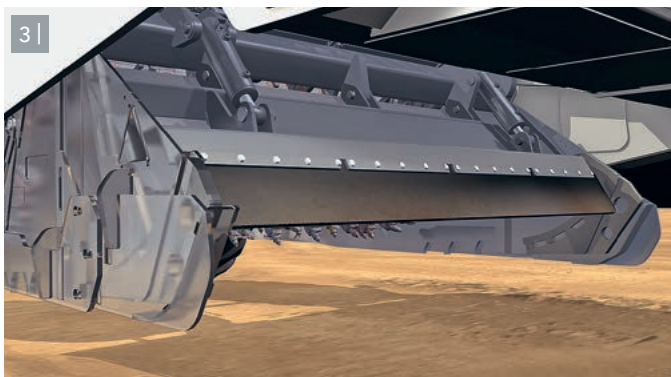


1 | Small mixing chamber when operating at shallow working depths.

2 | Large mixing chamber when operating at high working depths.

3-4 | The front rotor plate opens wide and is equipped with a crusher bar which can be adjusted to produce the specified particle size.

5-6 | The pivoting scraper at the rear rotor plate maintains an ideal angle to the surface to ensure perfectly even leveling of the stabilized or recycled layer.



Precise metering systems for binder addition

MICROPROCESSOR-CONTROLLED ADDITION OF BINDERS

Simply keying in the specified parameters once is not enough to achieve high-quality mixing results as they need to be maintained for the entire duration of the stabilizing or recycling operation. The WR has all it takes to meet these requirements: the parameters are entered quickly and conveniently via a small number of controls in the left-hand arm console and via the control screen.

Clearly structured, self-explanatory menus enable individual pages to be called up quickly. Large, readily comprehensible display readouts keep the operator fully informed of current parameters during the stabilizing or recycling operation. If specific values require correction, these can be adjusted quickly and effortlessly.

Microprocessor-controlled flow meters govern the addition of water, bitumen emulsion or foamed bitumen. The binders are added in accordance with the previously specified parameters, such as working width, working depth, material density and machine advance rate. The injection bars are fitted with up to sixteen spray nozzles each which can be switched on or off separately at any time during the process to adjust the spraying width.



1 |



1 | At a glance: important machine parameters are permanently displayed in the bottom menu bar of the metering menu.

2 |



2 | The printer logs job data and input parameters.

3 | Parameters such as the spraying width and amounts of binder to be added can be adjusted intuitively.

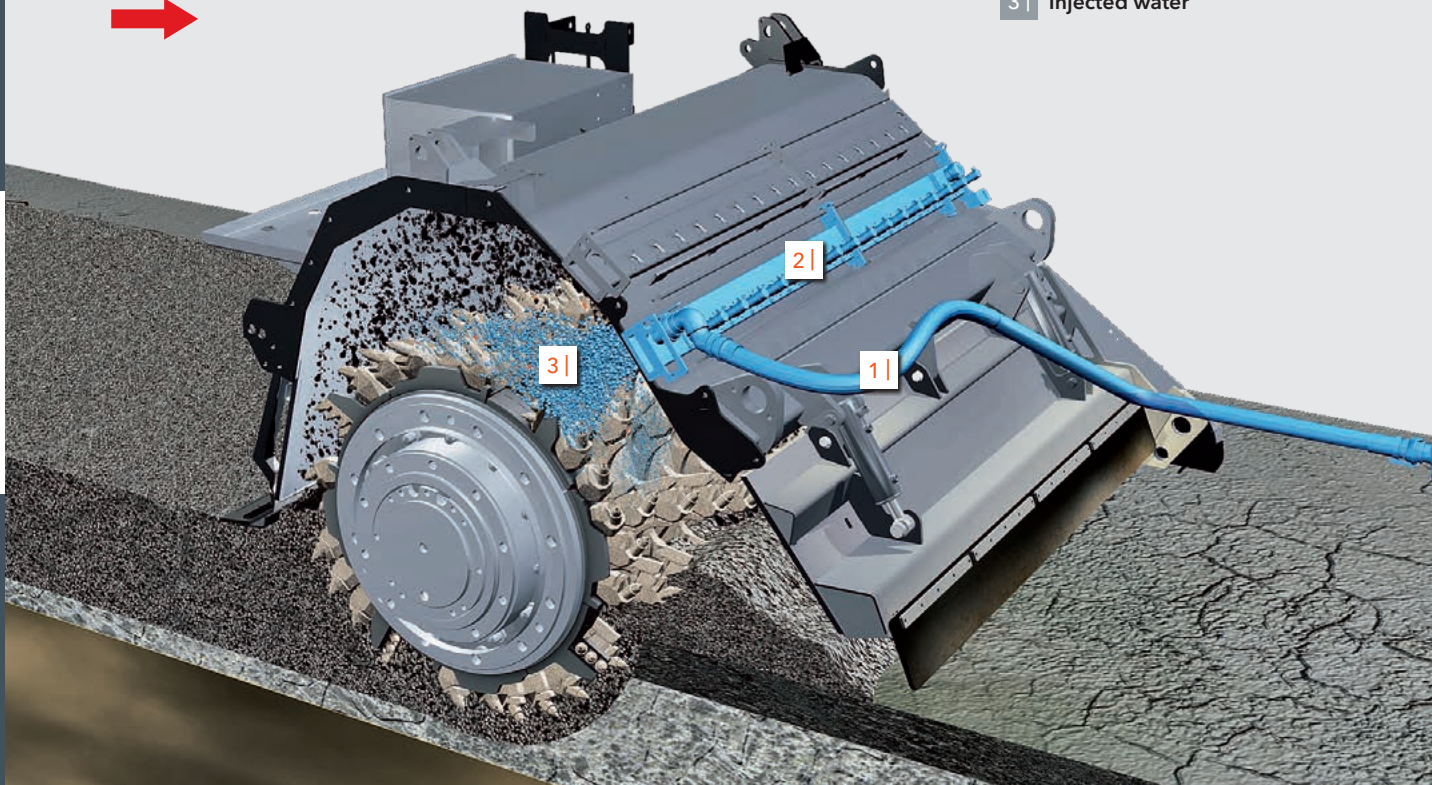
3 |



Working
direction



- 1| Feed hose for water
- 2| Injection bar for water
- 3| Injected water



The microprocessor-controlled injection bar injects the specified amount of water into the mixing chamber.

Precise metering systems for binder addition

INJECTING WATER

Strict compliance with the specified binder amounts to be added is of paramount importance for high-quality stabilizing and recycling operations. The WR is fully equipped to meet these requirements: robust, microprocessor-

controlled injection systems can be relied on to precisely govern the addition of water, bitumen emulsion or foamed bitumen.

Several injection bars can be installed and several additives injected simultaneously in accordance with application requirements. In addition, a special quick-mounting feature enables the injection bars to be installed or removed quickly and effortlessly.

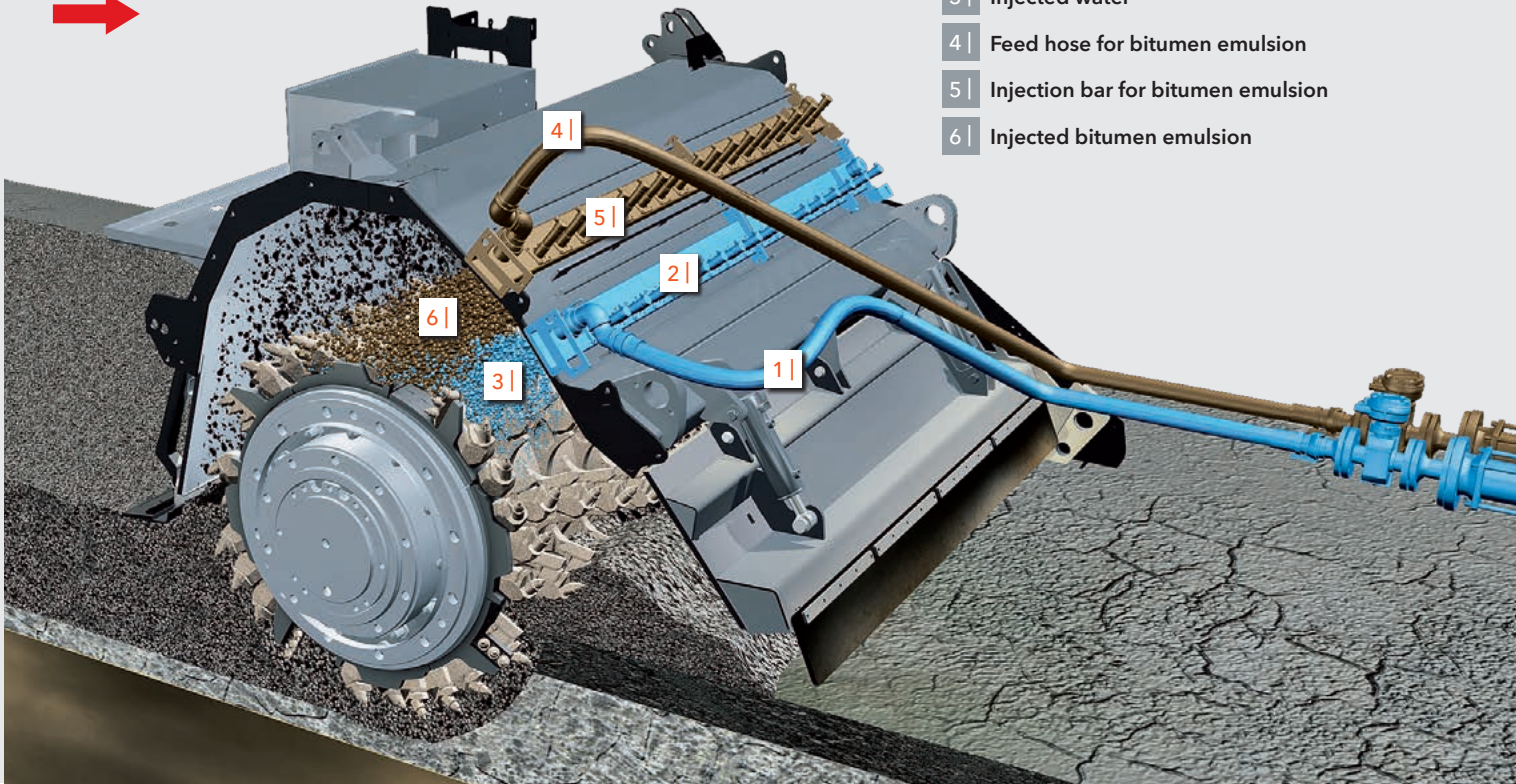
All hose connections are arranged at the front cross member.



Working
direction



- 1| Feed hose for water
- 2| Injection bar for water
- 3| Injected water
- 4| Feed hose for bitumen emulsion
- 5| Injection bar for bitumen emulsion
- 6| Injected bitumen emulsion



Two injection bars can be operated simultaneously when adding water and bitumen emulsion.

INJECTING WATER AND BITUMEN EMULSION

Tanker trucks driving ahead deliver water and bitumen emulsion to the injection bars via feed hoses connected to the recycler. The microprocessor-controlled injection bars for water and bitumen emulsion are of identical design and can be used for both substances to comply with application requirements.

Readily accessible connections for water and bitumen emulsion.

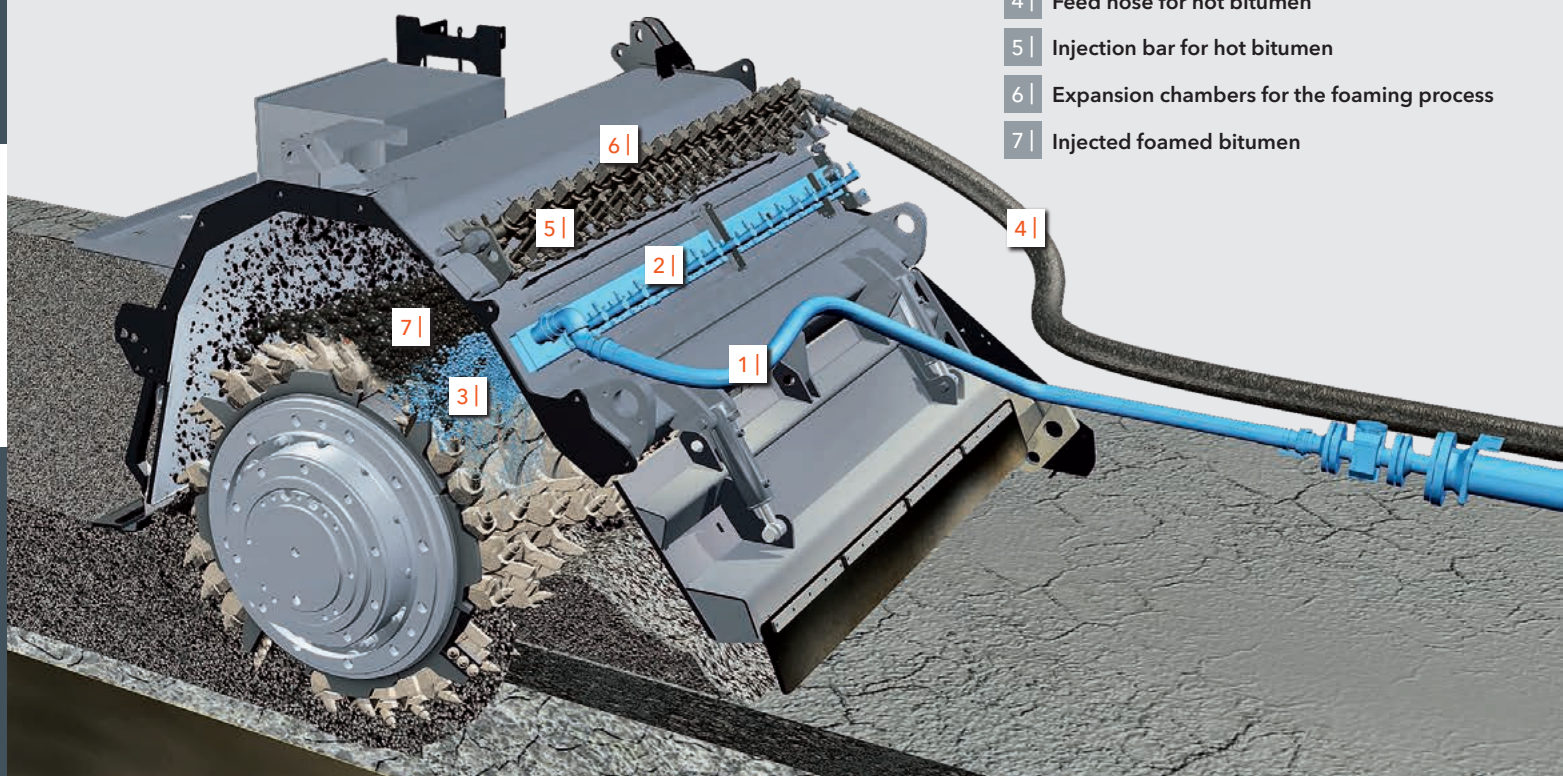
Bitumen emulsion improves the flexibility of the new base layer and reduces cracking. The optimum moisture content is achieved by simultaneously adding water to the process.



Working
direction



- 1| Feed hose for water
- 2| Injection bar for water
- 3| Injected water
- 4| Feed hose for hot bitumen
- 5| Injection bar for hot bitumen
- 6| Expansion chambers for the foaming process
- 7| Injected foamed bitumen



The microprocessor-controlled injection bar injects foamed bitumen into the mixing chamber in precisely metered quantities.

Precise metering systems for binder addition

INJECTING WATER AND FOAMED BITUMEN

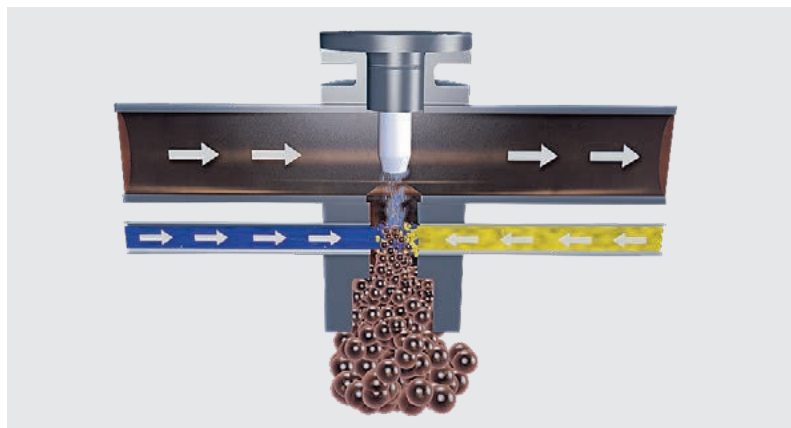
For base layers of exceptionally high quality, the WR produces foamed bitumen in up to sixteen separate expansion chambers by injecting small amounts of water and compressed air into hot bitumen which has a temperature of approx. 180°C.

Hot bitumen is foamed by injecting metered quantities of water and compressed air.

The hot bitumen then foams abruptly, expanding to many times its original volume. In this state, the foamed bitumen disperses very evenly in the mineral aggregate mix to be recycled.

All components carrying hot bitumen are heated and kept at operating temperature, thus dispensing with the need to flush the system. All benefits considered, foamed bitumen is an exceedingly cost-efficient binder.

A test nozzle offers ready access for continuous monitoring of the foam quality during the recycling operation.





SELF-CLEANING FEATURE COMES AS STANDARD

Movable tappets automatically remove any binder build-ups occurring at the nozzle outlets during the recycling operation.

Regular self-cleaning of the spray nozzles via the tappets ensures precise metering across the entire working width. Cleaning of the nozzles is not only performed automatically at fixed time intervals but can also be conveniently activated manually via the screen whenever necessary.

Raising the revolving rotor to maximum height manually at the same time enables build-ups of encrusted material at the nozzle outlets to be removed.

Self-cleaning feature: the tappets remove any material build-ups at the nozzle outlets.

Individual tappets clean the up to sixteen nozzles at predetermined intervals.



Precise metering systems for binder addition

INTEGRATED BINDER SPREADER

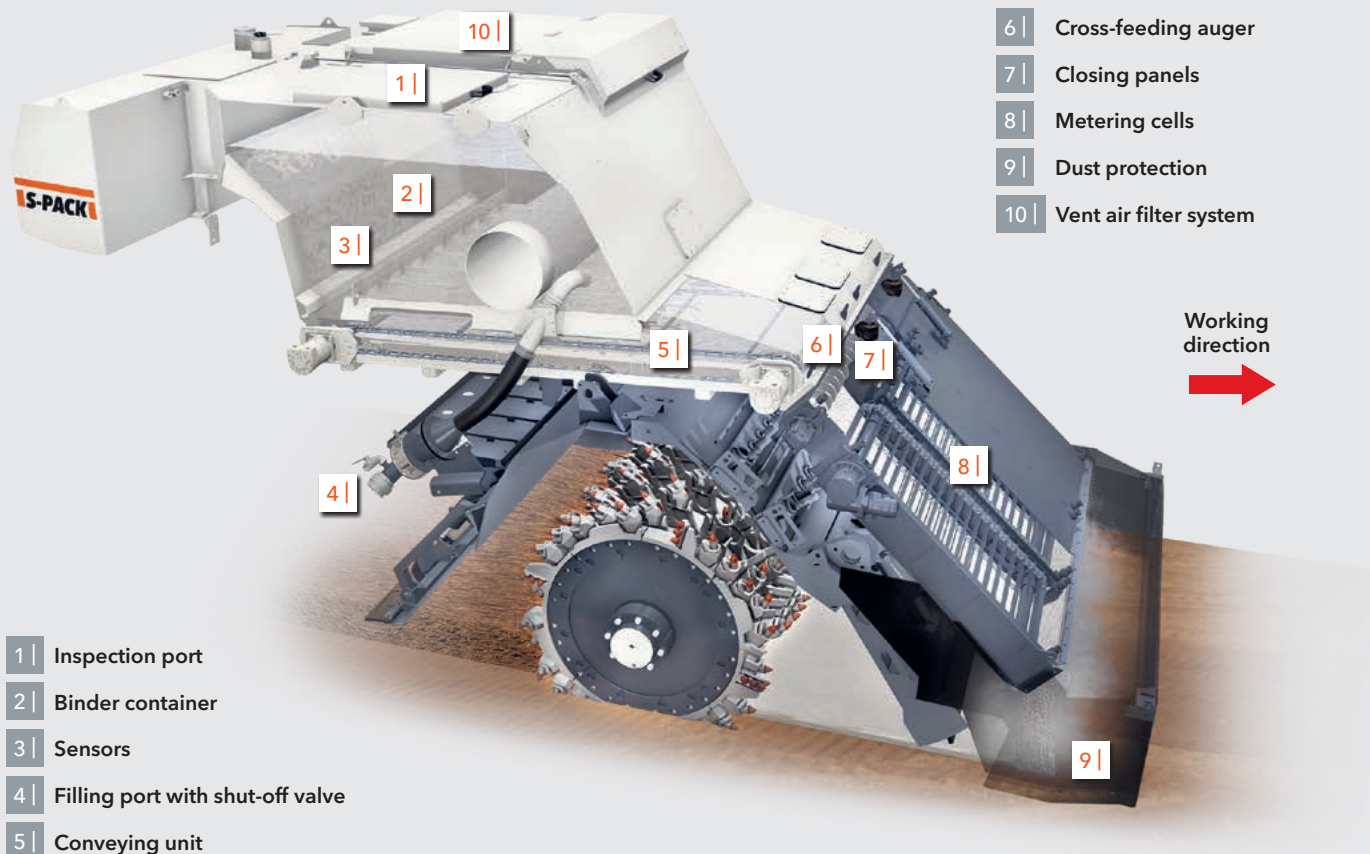
The “S-Pack” (Spreader-Pack), which can be integrated in the WR 240, WR 240i or WR 250 /WR 250i as an optional feature, is the ideal candidate for the dustless addition of binding agents in cold recycling or soil stabilization. Lime or cement is spread right in front of the milling and mixing rotor in a microprocessor-controlled operation. “S-Pack” is synonymous with the reliable and dustless processing of binders especially on motorways, in industrial estates specifying strict emission requirements, residential areas or nature reserves.

The “S-Pack” spreader is loaded to capacity in less than five minutes. A standard 27-tonne silo transporter is emptied within two hours. The spreading process is controlled and monitored intuitively via the integrated control screen.

The outstanding all-terrain mobility of the WR model series now allows binders to be spread safely and precisely even on insufficiently stable ground.

1 | *Dustless, highly precise spreading of binders regardless of weather conditions.*





Technical specification

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	WR 200	WR 200i	
Milling and mixing rotor			
Working width	6 ft 7 in (2,000 mm)		
Working depth*	0 to 19.7 in (0 to 500 mm)		
Tool spacing	0.8 in (20 mm)		
Number of tools	150		
Drum diameter with tools	4 ft 10 in (1,480 mm)		
Engine			
Manufacturer	Mercedes Benz	Mercedes Benz/MTU	
Type	OM 460 LA	OM 470 LA/6R 1100	
Number of cylinders	6		
Power	at 2,000 rpm: 305 kW/409 HP/415 PS	at 1,900 rpm: 308 kW/412 HP/418 PS	
Maximum power	at 1,800 rpm: 315 kW/422 HP/428 PS	at 1,700 rpm: 320 kW/429 HP/435 PS	
Displacement	781.1 in³ (12.8 l)	653 in³ (10.7 l)	
Fuel consumption, full load	21.1 gal/h (80 l/h)	19.8 gal/h (75 l/h)	
Fuel consumption in field mix	10.3 gal/h (39 l/h)	9.2 gal/h (35 l/h)	
Emission standards	EU Stage 3a/US Tier 3	EU Stage 4/US Tier 4f	
Electrical system			
Electrical power supply	24 V		
Filling capacities			
Fuel tank	219.3 gal (830 l)		
Fuel tank when fitted with “S-Pack” option	-		
AdBlue®/DEF tank	-	21.1 gal (80 l)	
Hydraulic oil tank	52.8 gal (200 l)		
Binder container	-		
Water tank	100.4 gal (380 l)		
Additional water tank	-		
Driving properties			
Working speed in milling and travel gear	0 to 689 ft/min (0 to 210 m/min) (7.8 mph (12.6 km/h))		
Lateral inclination, max.	8°		
Ground clearance	approx. 15.7 in (400 mm)		
Tyres			
Tyre size, front/rear	620/75 R26		
Shipping dimensions			
Dimensions for truck transport (L x W x H)	30 ft 1 in x 8 ft 4 in x 9 ft 10 in (9,160 x 2,550 x 3,000 mm)		
Dimensions for truck transport when fitted with “S-Pack” option (L x W x H)	-		

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

	WR 240	WR 240i	WR 250	WR 250i
	7 ft 10 in (2,400 mm)		7 ft 10 in (2,400 mm)	
	0 to 20.1 in (0 to 510 mm)		0 to 22 in (0 to 560 mm)	
	0.8 in (20 mm)		1.2 in x 2 (30 mm x 2)	
	170		208	
	4 ft 10 in (1,480 mm)		4 ft 10 in (1,480 mm)	
	Cummins		Caterpillar	
	QSX 15		C18 ATAAC	
	6		6	
	at 2,100 rpm: 447 kW/600 HP/608 PS		at 2,100 rpm: 571 kW/766 HP/777 PS	at 1,950 rpm: 563 kW/755 HP/766 PS
	at 1,900 rpm: 455 kW/610 HP/619 PS		at 1,800 rpm: 571 kW/766 HP/777 PS	at 1,700 rpm: 563 kW/755 HP/766 PS
	915.4 in³ (15.0 l)	909.3 in³ (14.9 l)	1,104.5 in³ (18.1 l)	1,104.5 in³ (18.1 l)
	31.7 gal/h (120 l/h)	30.4 gal/h (115 l/h)	37.5 gal/h (142 l/h)	38.8 gal/h (147 l/h)
	15.9 gal/h (60 l/h)	14.5 gal/h (55 l/h)	18.5 gal/h (70 l/h)	19 gal/h (72 l/h)
	EU Stage 3a/US Tier 3	EU Stage 4/US Tier 4f	no EU regulation/US Tier 2	no EU regulation/US Tier 4f
	24 V			
	396.3 gal (1,500 l)	364.6 gal (1,380 l)	396.3 gal (1,500 l)	
	343.5 gal (1,300 l)	311.8 gal (1,180 l)	343.5 gal (1,300 l)	
	-	26.4 gal (100 l)	-	
	84.5 gal (320 l)			
	1.453.1 gal (5,5 m³)			
	132.1 gal (500 l)			
	251 gal (950 l)			
	0 to 689 ft/min (0 to 210 m/min) (7.8 mph (12.6 km/h))			
	8°			
	approx. 15.7 in (400 mm)			
	28L-26			
	30 ft 3 in x 9 ft 10 in x 9 ft 10 in (9,230 x 3,000 x 3,000 mm)			
	31 ft 9 in x 9 ft 10 in x 10 ft 1 in (9,680 x 3,000 x 3,080 mm)			

Technical specification

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57

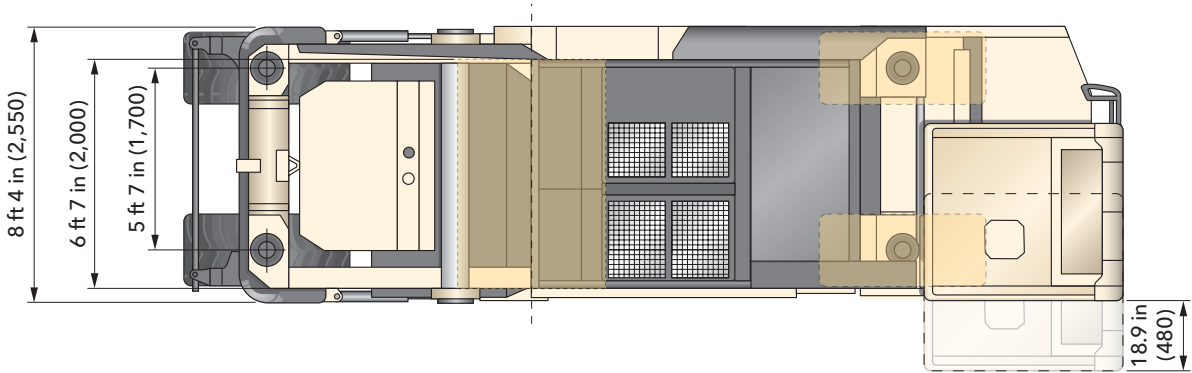
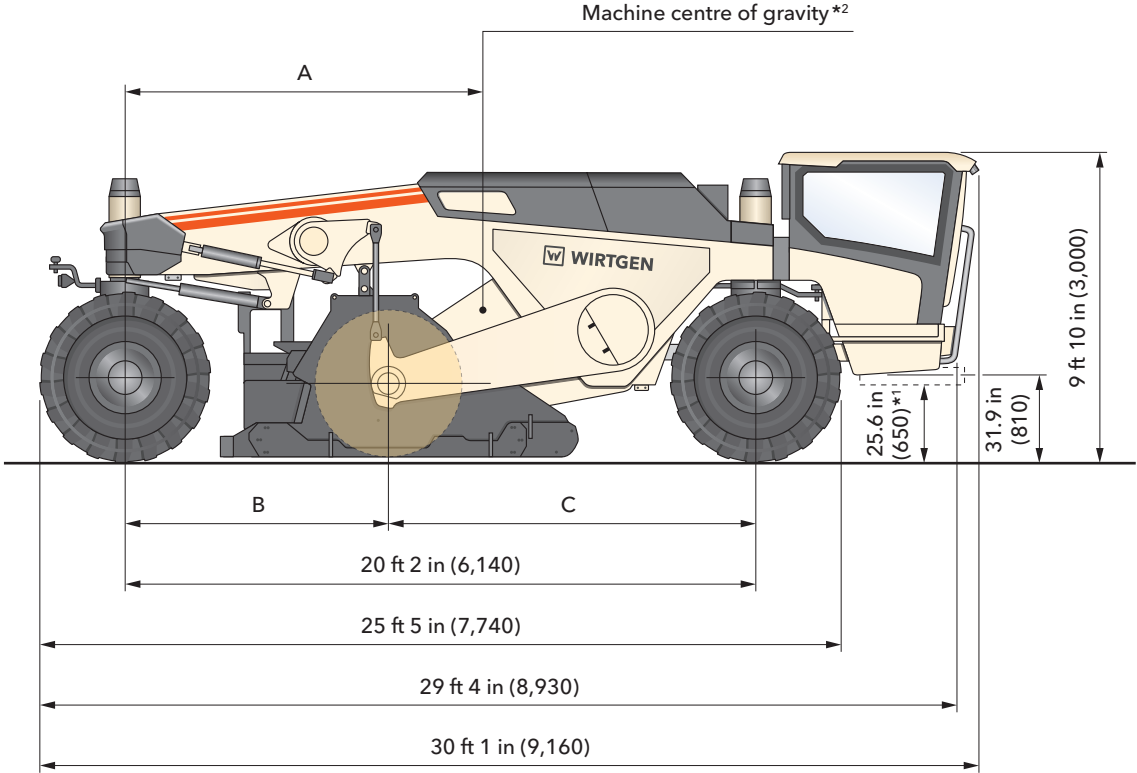
	WR 200	WR 200i	
Weight of base machine			
Empty weight of machine in standard design excluding tank contents	51,809 lbs (23,500 kg)	52,470 lbs (23,800 kg)	
Operating weight, CE*	53,352 lbs (24,200 kg)	54,013 lbs (24,500 kg)	
Operating weight, max. (full tanks, max. weight of additional equipment features)	58,423 lbs (26,500 kg)	59,084 lbs (26,800 kg)	
Weights of tank contents			
Water tank filling in kg	838 lbs (380 kg)		
Additional water tank filling in kg	-		
Diesel tank filling (6.9 lbs/gal (0.83 kg/l))	1,521 lbs (690 kg)		
Diesel tank filling in kg when fitted with "S-Pack" option (6.9 lbs/gal (0.83 kg/l))	-		
AdBlue® / DEF tank filling in kg	-	176 lbs (80 kg)	
Filling of binder container (S-Pack) in kg	-		
Additional add-on weights			
Driver and tools			
Driver	165 lbs (75 kg)		
5 cutting tool containers	276 lbs (125 kg)		
Injection system in lieu of standard			
Single ESL: spraying system for water or bitumen emulsion (max. 211 gal/min)	992 lbs (450 kg)		
Dual ESL: Spraying system for water and bitumen emulsion (211 gal/min + 211 gal/min)	1,676 lbs (760 kg)		
Dual ESL foamed bitumen: Spraying system for water (211 gal/min) and foamed bitumen (1,102 lbs/min)	2,888 lbs (1,310 kg)		
ESL 1800 L: Spraying system for water (475 gal/min)	904 lbs (410 kg)		
Integrated binder spreader (S-Pack) including vent air filtering	-		
Additional equipment			
Additional water tank (empty)	-		

* = Machine in standard design, half-full water tank, half full AdBlue® tank, half-full fuel tank, driver (165 lbs (75 kg)), on-board tools

	WR 240	WR 240i	WR 250	WR 250i
	63,934 lbs (29,000 kg)	65,257 lbs (29,600 kg)	67,792 lbs (30,750 kg)	68,454 lbs (31,050 kg)
	66,139 lbs (30,000 kg)	67,461 lbs (30,600 kg)	69,887 lbs (31,700 kg)	70,548 lbs (32,000 kg)
	89,068 lbs (40,400 kg)	90,390 lbs (41,000 kg)	95,019 lbs (43,100 kg)	95,681 lbs (43,400 kg)
	1,102 lbs (500 kg)			
	2,094 lbs (950 kg)			
	2,745 lbs (1,245 kg)	2,524 lbs (1,145 kg)	2,745 lbs (1,245 kg)	
	2,359 lbs (1,070 kg)	2,138 lbs (970 kg)	2,359 lbs (1,070 kg)	
	-	220 lbs (100 kg)	-	
	11,023 lbs (5,000 kg)			
	165 lbs (75 kg)			
	276 lbs (125 kg)			
	860 lbs (390 kg)			
	1,587 lbs (720 kg)			
	3,086 lbs (1,400 kg)			
	860 lbs (390 kg)			
	8,378 lbs (3,800 kg)			
	926 lbs (420 kg)			

Dimensions

WR 200/WR 200i

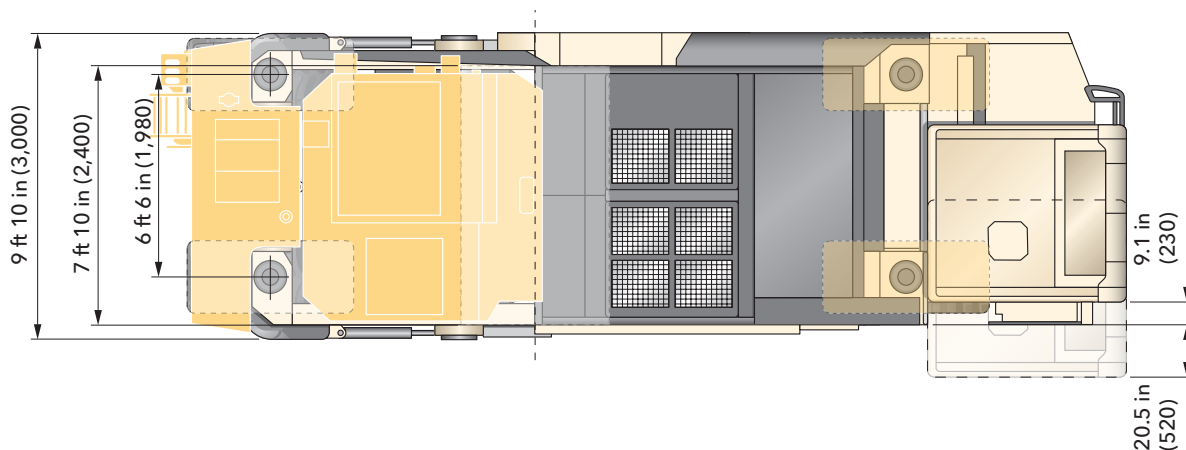
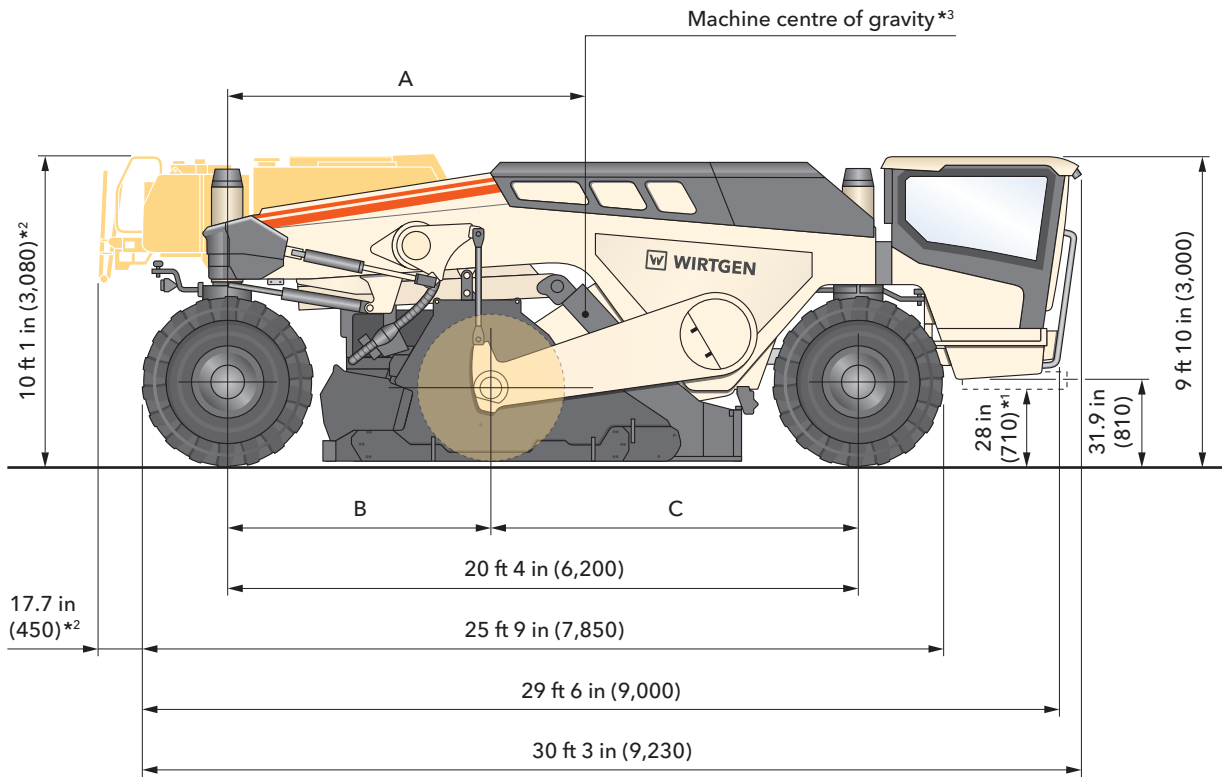


*¹ = Including injection system
*² = Based on operating weight, CE

	A	B	C
WR 200/WR 200i	11 ft 5 in (3,470)	8 ft 4 in (2,540)	11 ft 10 in (3,600)

Dimensions

WR 240/WR 240i and WR 250/WR 250i



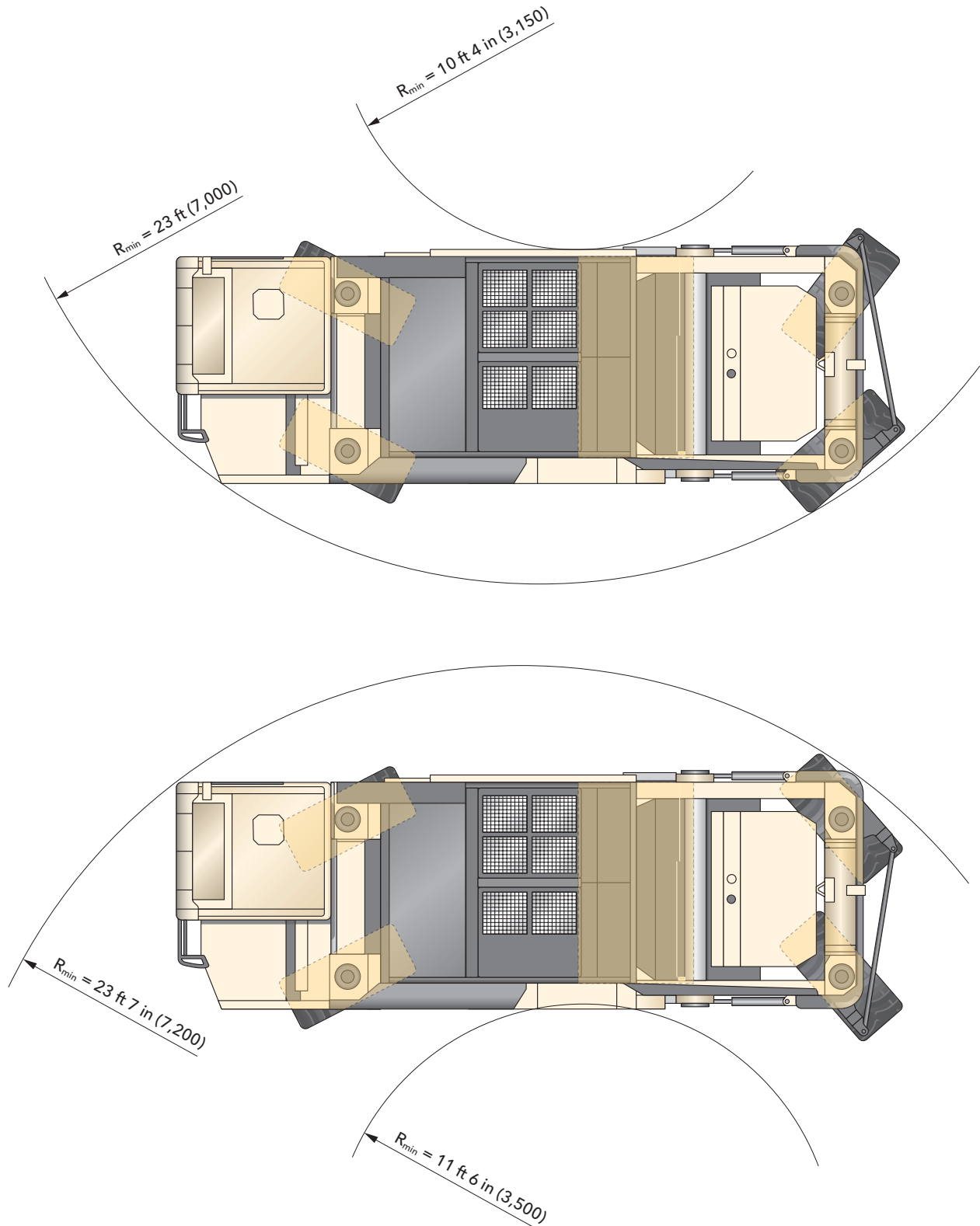
	A	B	C
WR 240/WR 240i	11 ft 8 in (3,550)	8 ft 6 in (2,600)	11 ft 10 in (3,600)
WR 250/WR 250i	11 ft 6 in (3,500)	8 ft 4 in (2,550)	12 ft (3,650)

*1 = Including injection system
 *2 = Including "S-Pack"
 *3 = Based on operating weight, CE

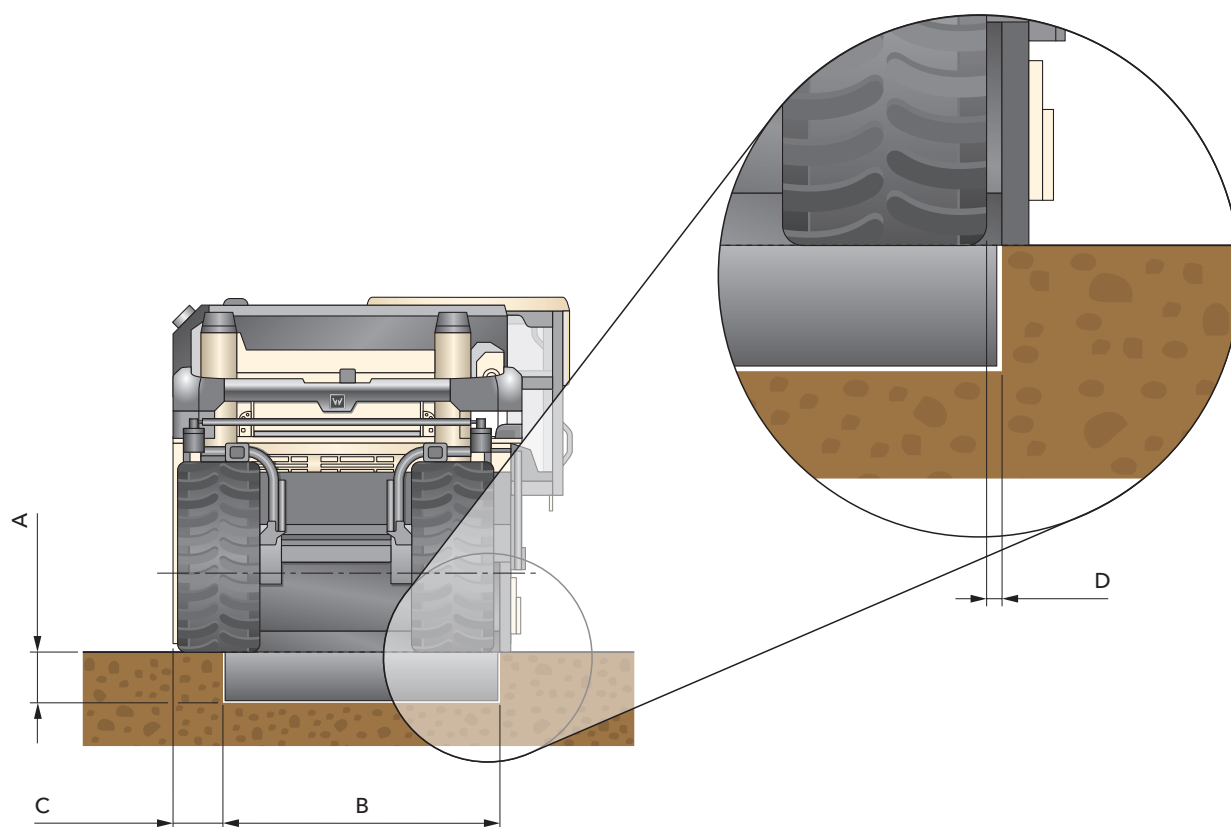
Dimensions in American standard and mm

Dimensions

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Turning radius of WR 200/WR 200i, WR 240/WR 240i and WR 250/WR 250i
Dimensions in American standard and mm



	A	B	C	D
WR 200/WR 200i	19.7 in (500)	6 ft 7 in (2,000)	14.6 in (370)	approx. 1 in (25)
WR 240/WR 240i	20.1 in (510)	7 ft 10 in (2,400)	16.5 in (420)	approx. 2 in (50)
WR 250/WR 250i	22 in (560)	7 ft 10 in (2,400)	16.5 in (420)	approx. 2 in (50)

Rear view of WR 200/WR 200i, WR 240/WR 240i and WR 250/WR 250i
Dimensions in American standard and mm

Milling rotor speed

WR 200/WR 200i, WR 240/WR 240i

WR 200/WR 200i	Engine speed	 Ø 12.4 in (315 mm) Ø 14 in (355 mm) Ø 15.7 in (400 mm)	 Ø 12.4 in (315 mm) Ø 15.7 in (400 mm) Ø 14 in (355 mm)	 Ø 14 in (355 mm) Ø 15.7 in (400 mm) Ø 12.4 in (315 mm)
		108 rpm	137 rpm	154 rpm
		117 rpm	149 rpm	168 rpm
		127 rpm	161 rpm	181 rpm
WR 240/WR 240i	Engine speed	 Ø 15.7 in (400 mm) Ø 12.4 in (315 mm) Ø 14 in (355 mm)	 Ø 12.4 in (315 mm) Ø 15.7 in (400 mm) Ø 14 in (355 mm)	 Ø 14 in (355 mm) Ø 15.7 in (400 mm) Ø 12.4 in (315 mm)
		108 rpm	137 rpm	154 rpm
		120 rpm	153 rpm	172 rpm
		133 rpm	169 rpm	190 rpm

Milling rotor speed* WR 200/WR 200i, WR 240/WR 240i

* = The milling rotor speed depends on the engine speed setting

Milling rotor speed

WR 250/WR 250i

WR 250/WR 250i	Setting of drum gearbox	Engine speed	 Ø 14 in (355 mm) Ø 15.7 in (400 mm)	 Ø 15.7 in (400 mm) Ø 14 in (355 mm)
			87 rpm	111 rpm
			97 rpm	124 rpm
			108 rpm	137 rpm
			129 rpm	164 rpm
			145 rpm	184 rpm
			160 rpm	203 rpm

Milling rotor speed* WR 250/WR 250i

* = The milling rotor speed depends on the engine speed setting

Standard equipment

64
65

	WR 200	WR 200i	WR 240	WR 240i	WR 250	WR 250i
Base machine						
Basic machine with engine	■	■	■	■	■	■
Machine chassis with integrated water tank and free visibility onto the right milled edge	■	■	■	■	■	■
The right wheels are for working right up to the edges within the milling width	■	■	■	■	■	■
Diesel engine power controller for optimum milling and mixing result	■	■	■	■	■	■
Engine cooling system with temperature-controlled fan speed	■	■	■	■	■	■
Air system with compressor max. 116 psi/8 bar	■	■	■	■	■	■
Lockable, engine cover with integrated sound insulation package	■	■	■	■	■	■
Mechanical milling drum drive via a drive belt with automatic belt tensioner	■	■	■	■	■	■
Variable cutting speed by combination of 3 selectable engine speeds and 3 adjustable drive belt pulley arrangements to achieve optimum working results	■	■	■	■	—	—
Variable cutting speed by a combination of 3 selectable motor speeds, 2 variable drive belt pulley arrangements and one milling drum gearbox with 2-gear stages for achieving optimum working results	—	—	—	—	■	■
Depending on the working direction possible synchronous rotation or counterrotating mode	■	■	■	■	■	■
Hydraulic adjustable milling drum flap front	■	■	■	■	■	■
Hydraulically adjustable scraper plates behind the drum	■	■	■	■	■	■
Infinitely variable working depth setting by lowering or raising of the complete milling drum	■	■	■	■	■	■
Automatic mixing space adaptation to the particular working depth (larger mixing space with lower working depth)	■	■	■	■	■	■
Milling drum rotation device with hydraulic milling drum drive for slowly turning the milling drum in the pick change	—	—	—	—	■	■
Power-controlled lowering speed of the milling drum in starting mode	■	■	■	■	■	■
Milling and mixing rotor						
Milling and mixing rotor FB2000 (6 ft 7 in) HT5 LA20 D20/D22 with 150 picks	□	□	—	—	—	—
Milling and mixing rotor FB2400 (7 ft 10 in) HT22 LA20 D20/D22 with 170 picks	—	—	□	□	—	—
Milling and mixing rotor FB2400 (7 ft 10 in) HT22 LA30x2 D20/D22 with 208 picks	—	—	—	—	□	□
Spraying unit/binding agent addition						
Version without spraying system	□	□	□	□	□	□
Version without binder spreader device	—	—	□	□	□	□
Version without waste air filtering	—	—	□	□	□	□
Machine control and levelling system						
Multi-function control color display showing important machine operating conditions	■	■	■	■	■	■
Extensive machine diagnosis in the control display	■	■	■	■	■	■
Programmable automatic system for initiating and completing the milling process at the particular working depth	■	■	■	■	■	■
Automatic functions for reducing the strain on the machine operator	■	■	■	■	■	■

■ = Standard equipment

□ = Standard equipment, replaceable with optional equipment

□ = Optional equipment

	WR 200	WR 200i	WR 240	WR 240i	WR 250	WR 250i
Operator's stand						
Comfortable, high-quality cabin with flexible mountings, with roof hatch and individually adjustable heating	■	■	■	■	■	■
Ergonomic, air-cushioned operator's seat	■	■	■	■	■	■
Roll-over protection system (ROPS and FOPS) integrated in the cab frame	■	■	■	■	■	■
Large windows with optimum visibility of the particular working area and integrated window wipers	■	■	■	■	■	■
Recirculating and fresh air filters can be changed without tools	■	■	■	■	■	■
Various shelves and storage compartments as well as 12 V and 24 V sockets	■	■	■	■	■	■
The cabin can be pushed to the side over the right-hand side of the machine in order to gain a better overview of the machine	■	■	■	■	■	■
Rotation of the operator's stand through 90° offers optimum adaptation to the particular working situation	■	■	■	■	■	■
Individually adjustable control panel with color display	■	■	■	■	■	■
Reversing camera with graphical reversing assistant	■	■	■	■	■	■
Mirrors on right and left in the the front area of the machine	■	■	■	■	■	■
Working lights integrated in the cab roof	■	■	■	■	■	■
Convenient, accessible footstep to the operator's stand	■	■	—	—	—	—
Folding ladder/footstep to the operator's stand	—	—	■	■	■	■
Chassis and height adjustment						
Infinitely adjustable, hydraulic all-wheel drive	■	■	■	■	■	■
Four-way penduluming of the lifting columns to compensate for unevennesses in the ground	■	■	■	■	■	■
Electrohydraulic, light all-wheel steering, with the "crab", "cornering" or "straight ahead" steering types	■	■	■	■	■	■
Others						
"Welcome-and-go-home light" function with LED lighting in the ladder area	■	■	■	■	■	■
Extensive safety package with 3 EMERGENCY STOP switches	■	■	■	■	■	■
Large tool package in lockable tool box	■	■	■	■	■	■
Machine preparation for installing the control unit for WITOS FleetView "WIRTGEN Road Technologies Telematics and on-site Solutions" (WITOS) is the intelligent telematics system of the WIRTGEN Road Technologies for efficient fleet and service management worldwide	—	■	—	■	■	■
European type test certificate, Euro Test-mark and CE conformity	■	■	■	■	■	■
Paint standard cream white RAL 9001	□	□	□	□	□	□
Halogen lighting package 24 V with rotary beacons	□	□	□	□	□	□

■ = Standard equipment
 □ = Standard equipment, replaceable with optional equipment
 □ = Optional equipment

Optional equipment

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	WR 200	WR 200i	WR 240	WR 240i	WR 250	WR 250i
Milling and mixing rotor						
Milling and mixing rotor FB2000 (6 ft 7 in) HT22 LA20 D22 with 150 picks	☐	☐	—	—	—	—
Milling drum FB2000 (6 ft 7 in) HT22 LA20 D25 with 142 picks	☐	☐	—	—	—	—
Milling and mixing rotor FB2400 (7 ft 10 in) HT22 LA20 D25 with 162 picks	—	—	☐	☐	—	—
Milling and mixing rotor FB2400 (7 ft 10 in) HT22 LA30x2 D25 with 200 picks	—	—	—	—	☐	☐
Milling and mixing rotor FB2400 (7 ft 10 in) HT22 LA30x2 D20 with 208 picks	—	—	—	—	—	☐
Spraying unit/ binding agent addition						
Single ESL: spraying system for water or bitumen emulsion (max. 211 gal/min)	☐	☐	☐	☐	☐	☐
Dual ESL: spraying system for water and bitumen emulsion (211 gal/min + 211 gal/min)	☐	☐	☐	☐	☐	☐
Dual ESL foamed bitumen: spraying system for water (211 gal/min) and foamed bitumen (1,102 lbs/min)	☐	☐	☐	☐	☐	☐
ESL 1800 L: spraying system for water (475 gal/min)	☐	☐	☐	☐	☐	☐
Version with integrated binder spreader device S-Pack	☐	☐	☐	☐	☐	☐
Manual outgoing air filtering S-Pack	—	—	☐	☐	☐	☐
Automatic waste air filtering S-Pack	—	—	☐	☐	☐	☐
External dosing control unit	—	—	☐	☐	☐	☐
Machine control and levelling system						
Transverse tilt sensor	☐	☐	☐	☐	☐	☐
Operator's stand						
Air conditioner	☐	☐	☐	☐	☐	☐
Radio system with two loudspeakers and aerial	☐	☐	☐	☐	☐	☐
Additional monitor system with 3 cameras and monitor	☐	☐	☐	☐	☐	☐

- ☒ = Standard equipment
- ☐ = Standard equipment, replaceable with optional equipment
- ☐ = Optional equipment

	WR 200	WR 200i	WR 240	WR 240i	WR 250	WR 250i
Others						
Paint in one special color (RAL)	☐	☐	☐	☐	☐	☐
Paint in two special colors (RAL)	☐	☐	☐	☐	☐	☐
Paint in maximum two special colors with substructure in special color (RAL)	☐	☐	☐	☐	☐	☐
Powerful LED/halogen lighting package 24 V with patrol lights	☐	☐	☐	☐	☐	☐
Printer for recording the job data	☐	☐	☐	☐	☐	☐
High-pressure water cleaner, 2,176 psi/150 bar, 4 gpm/15 l/min	☐	☐	☐	☐	☐	☐
Battery operated hydraulic unit	☐	☐	☐	☐	☐	☐
Milling drum rotation device	☐	☐	☐	☐	—	—
Pneumatic hammer with pick ejector/insertor	☐	☐	☐	☐	☐	☐
Hydraulic pick ejector drift	☐	☐	☐	☐	☐	☐
Diesel tank filling pump with 2 ft 8 in (7.50 m) suction hose	☐	☐	☐	☐	☐	☐
Diesel filling system Wiggins	—	—	☐	☐	☐	☐
Additional water tank, 250 gals/950 liters	—	—	☐	☐	☐	☐
Hot bitumen hose 4", 4000 LG	☐	☐	☐	☐	☐	☐
Suction hose for water or emulsion	☐	☐	☐	☐	☐	☐
Connecting rod	☐	☐	☐	☐	☐	☐
Suspension pipe in conjunction with WM 1000	—	—	☐	☐	☐	☐
WITOS FleetView telematics system incl. 3-year operating period (EU)	—	☐	—	☐	☐	☐
WITOS FleetView telematics system incl. 3-year operating period (non EU)	—	☐	—	☐	☐	☐
WITOS FleetView telematics system incl. 3-year operating period - PROMOTION	—	☐	—	☐	☐	☐

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☐ = Optional equipment

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