A WIRTGEN GROUP COMPANY

WIRTGEN

WIRTGEN

PRODUCT RANGE

WHERE INNOVATION HAPPENS

Cutting edge technology from Windhagen

What began as a haulage company for construction materials in 1961 has developed, over the years, into an innovation hub for cutting-edge technologies.

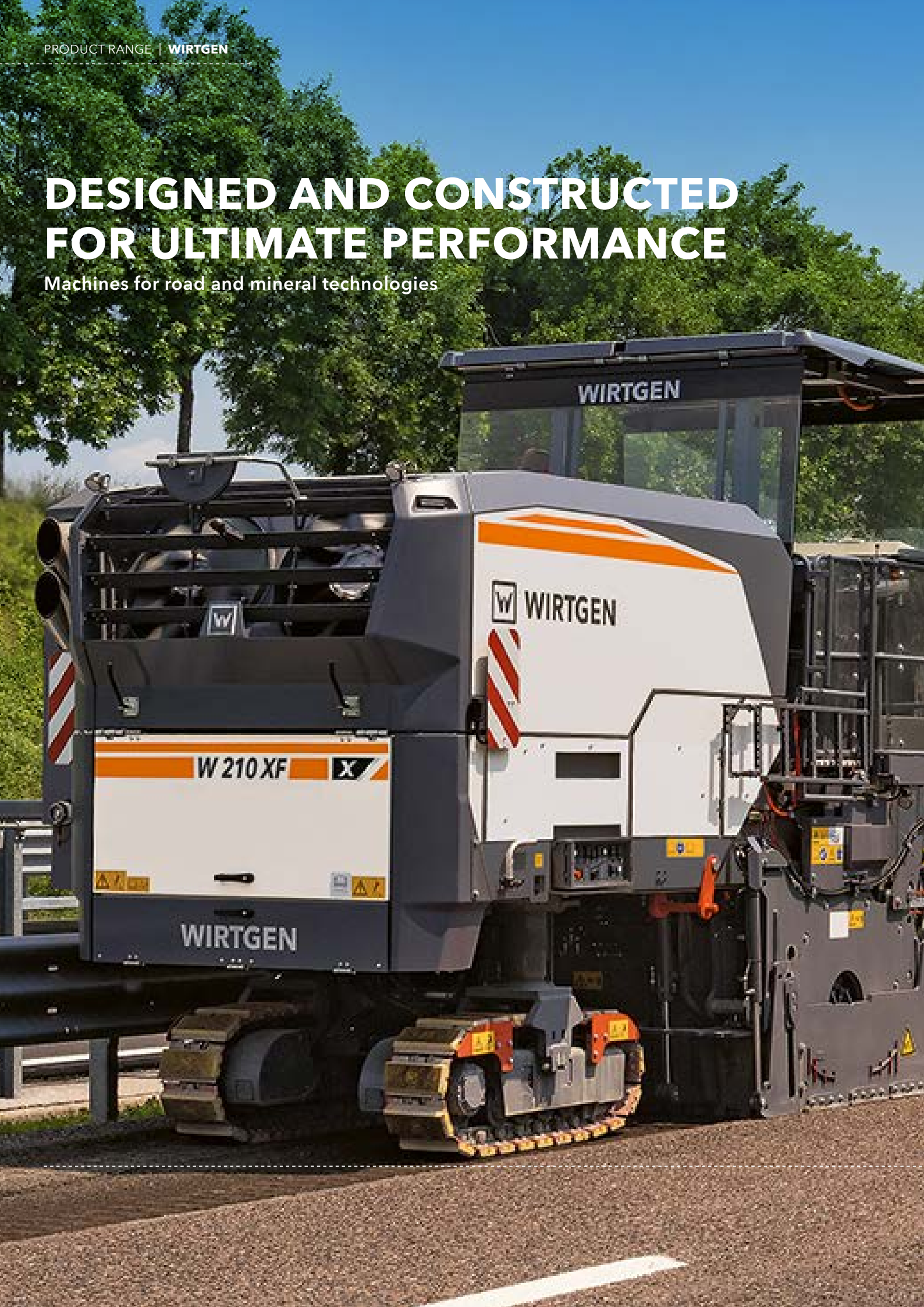
A company site covering more than 470.000 m², around 2,000 employees, and more than 90 different machine models – these are the striking key figures of WIRTGEN GmbH's main production plant located in the Rhineland-Palatinate village of Windhagen. Here is where cold milling machines, cold recyclers and stabilizers, slipform pavers and surface miners for the company's two lines of business, Road and Mineral Technologies, are manufactured in accordance with state-of-the-art production methods.

For our customers to be able to work as efficiently as we do, we are continuously improving the WIRTGEN technologies. We can draw on an unrivaled wealth of expertise gained over many decades in particular in our core competencies: cutting technology, leveling technology, control technology and mixing procedures. Our application specialists are in regular contact with customers around the globe to discuss the challenges and application requirements they are facing in the field. These then form the basis for developing solutions and products that ensure your success.

WIRTGEN PRODUCTION PLANT WINDHAGEN

DESIGNED AND CONSTRUCTED FOR ULTIMATE PERFORMANCE

Machines for road and mineral technologies



WIRTGEN PRODUCT RANGE

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- 28 COLD RECYCLERS AND STABILIZERS
- 50 SLIPFORM PAVERS
- 66 SURFACE MINERS AND CROSS APPLICATION MINERS

WIRTGEN

COLD MILLING MACHINES

The ideal solution for every application

WIRTGEN offers by far the most comprehensive portfolio of cold milling machines worldwide. The standard range already covers the entire milling width range from 14 mm to 4.4 m. The choice of machines ranges from the particularly compact W 35 Ri cold milling machine – which is also suitable for applications inside buildings – all the way up to the W 250 XF, which handles large-scale projects on highways or airports in record time.

SMALL MILLING MACHINES

High versatility when milling small areas

OVERVIEW OF SMALL MILLING MACHINES

- W 35 Ri
- W 35 XRi
- W 50 R(i)
- W 60 R(i)
- W 50 HR(i)
- W 55 HR(i)
- W 100 R(i)
- W 120 R(i)
- W 100 HR(i)
- W 130 HR(i)

Small milling machines are equipped with a wheeled chassis and a milling drum positioned at the rear. The granulated RAP which is broken up by the rotating milling drum is transferred to a slewing and height-adjustable discharge conveyor and immediately loaded onto waiting transport vehicles.

The compact rear loaders are highly maneuverable and their rear right wheel can be swiveled in when milling flush to the edges of obstacles.

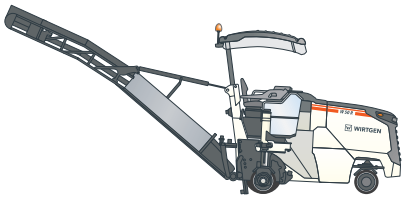
A variety of different milling drums are available, enabling the small milling machines to cover a wide range of applications extending from partial pavement rehabilitations and tie-in milling to the rehabilitation of industrial floors.

up to 1,300 mm
Milling width

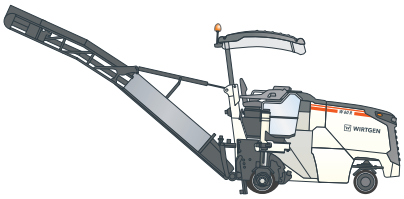
up to 300 mm
Milling depth

up to 162 kW / 217HP / 220 PS
Engine power

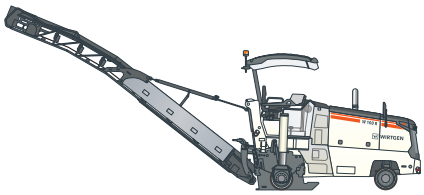
Machines compliant with EU Stage 3a / US EPA Tier 3 exhaust emission standards



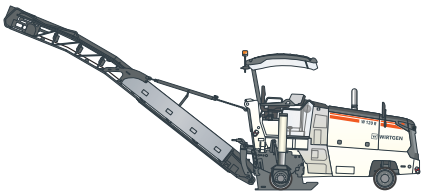
W 50 R	
Milling width	500 mm
Milling depth	0 – 210 mm
Engine power	100 kW / 134 HP / 136 PS
Operating weight, CE*	6.930 kg



W 60 R	
Milling width	600 mm
Milling depth	0 – 210 mm
Engine power	100 kW / 134 HP / 136 PS
Operating weight, CE*	7.450 kg



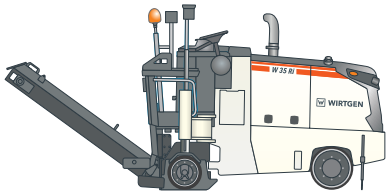
W 100 R	
Milling width	1.000 mm
Milling depth	0 – 300 mm
Engine power	155 kW / 208 HP / 211 PS
Operating weight, CE*	14.700 kg



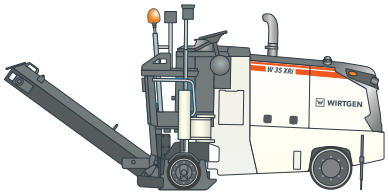
W 120 R	
Milling width	1.200 mm
Milling depth	0 – 300 mm
Engine power	155 kW / 208 HP / 211 PS
Operating weight, CE*	15.350 kg

* Machine weight, half the weight of all operating agents, tools, machine operator, excluding optional equipment

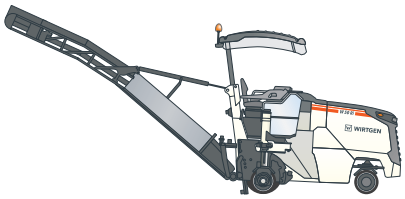
Machines compliant with EU Stage 5 / US EPA Tier 4f exhaust emission standards



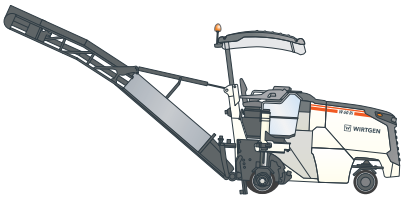
W 35 Ri	
Milling width	350 mm
Milling depth	0 – 110 mm
Engine power	45 kW / 60 HP / 61 PS
Operating weight, CE*	4.650 kg



W 35 XRi (nur USA)	
Milling width	350 mm
Milling depth	0 – 110 mm
Engine power	45 kW / 60 HP / 61 PS
Operating weight, CE*	4.650 kg

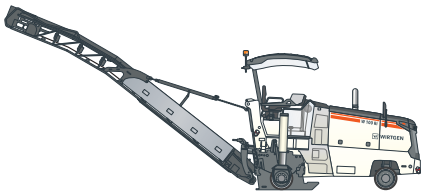


W 50 Ri	
Milling width	500 mm
Milling depth	0 – 210 mm
Engine power	105 kW / 141 HP / 143 PS
Operating weight, CE*	6.930 kg



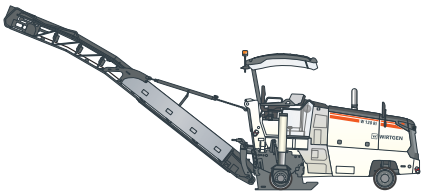
W 60 Ri	
Milling width	600 mm
Milling depth	0 – 210 mm
Engine power	105 kW / 141 HP / 143 PS
Operating weight, CE*	7.450 kg

Machines compliant with EU Stage 5 / US EPA Tier 4f exhaust emission standards



W 100 Ri

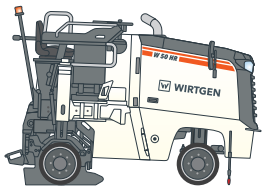
Milling width	1.000 mm
Milling depth	0 – 300 mm
Engine power	160 kW / 215 HP / 218 PS
Operating weight, CE*	14.850 kg



W 120 Ri

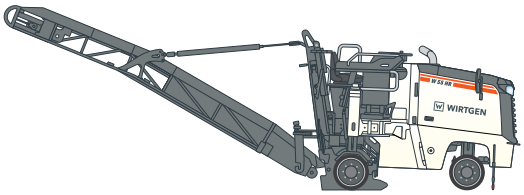
Milling width	1.200 mm
Milling depth	0 – 300 mm
Engine power	160 kW / 215 HP / 218 PS
Operating weight, CE*	15.500 kg

Machines compliant with EU Stage 3a / US EPA Tier 3, CN Stage 3 exhaust emission standards



W 50 HR

Milling width	500 mm
Milling depth	0 – 180 mm
Engine power	86 kW / 115 HP / 117 PS
Operating weight, CE*	5.750 kg

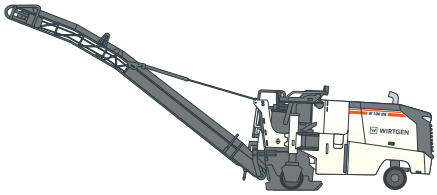


W 55 HR

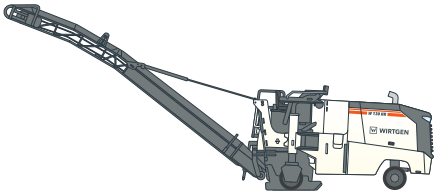
Milling width	500 mm
Milling depth	0 – 180 mm
Engine power	86 kW / 115 HP / 117 PS
Operating weight, CE*	6.800 kg

* Machine weight, half the weight of all operating agents, tools, machine operator, excluding optional equipment

Machines compliant with EU Stage 3a / US EPA Tier 3, CN Stage 3 exhaust emission standards

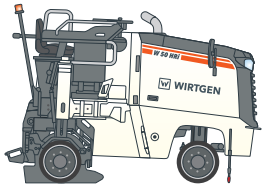


W 100 HR	
Milling width	1.000 mm
Milling depth	0 – 200 mm
Engine power	155 kW / 208 HP / 211 PS
Operating weight, CE*	13.600 kg

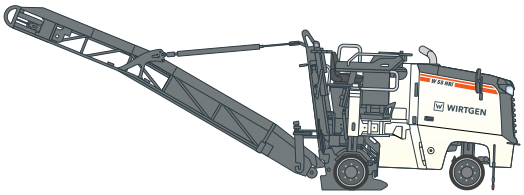


W 130 HR	
Milling width	1.300 mm
Milling depth	0 – 200 mm
Engine power	155 kW / 208 HP / 211 PS
Operating weight, CE*	14.100 kg

Machines compliant with CN NR Stage 4 exhaust emission standards

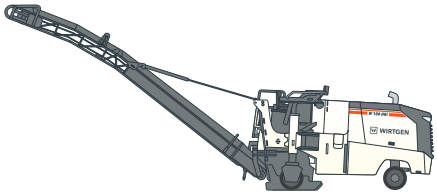


W 50 HRi	
Milling width	500 mm
Milling depth	0 – 180 mm
Engine power	89 kW / 119HP / 121 PS
Operating weight, CE*	5.850 kg

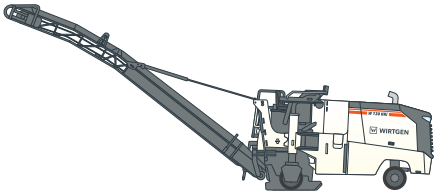


W 55 HRi	
Milling width	500 mm
Milling depth	0 – 180 mm
Engine power	89 kW / 119HP / 121 PS
Operating weight, CE*	6.900 kg

Machines compliant with CN NR Stage 4 exhaust emission standards



W 100 HRi	
Milling width	1.000 mm
Milling depth	0 – 200 mm
Engine power	162 kW / 217HP / 220 PS
Operating weight, CE*	13.900 kg



W 130 HRi	
Milling width	1.300 mm
Milling depth	0 – 200 mm
Engine power	162 kW / 217HP / 220 PS
Operating weight, CE*	14.400 kg

* Machine weight, half the weight of all operating agents, tools, machine operator, excluding optional equipment

MEILLER-KIPPER
Baustellenfahrzeug
WIRTGEN

COMPACT MILLING MACHINES

Maneuverable and flexible on the job site

OVERVIEW OF COMPACT MILLING MACHINES

- W 100 F(i)
- W 120 F(i)
- W 120 FTi
- W 130 F(i)
- W 125 CF(i)
- W 155 CF(i)
- W 185 CF(i)
- W 150 F(i)

The highly flexible compact milling machines combine the advantages of the small and large milling machine classes. The maneuverable front-loaders are easy to transport and are ideal for use on confined job sites.

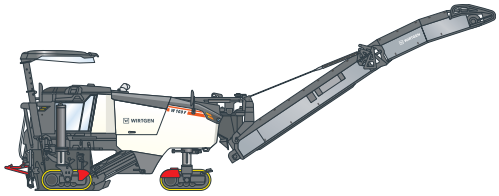
These powerful machines can mill off entire asphalt pavements cost-effectively. A wide range of different milling drums is available, greatly extending the possible range of applications so that the milling of individual layers and fine milling operations are also among the everyday tasks of these machines.

up to 1,900 mm
Milling width

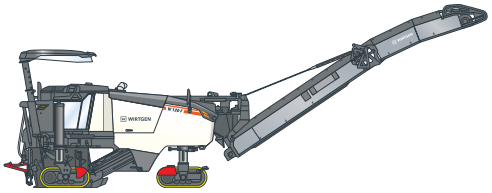
up to 330 mm
Milling depth

up to 313 kW / 420 HP / 426 PS
Engine power

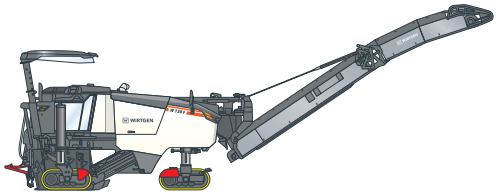
Machines compliant with EU Stage 3a / US EPA Tier 3 exhaust emission standards



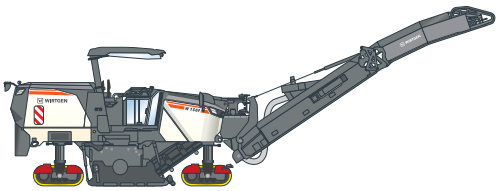
W 100 F	
Milling width	1.000 mm
Milling depth	0 – 330 mm
Engine power	261 kW / 350 HP / 355 PS
Operating weight, CE*	19.700 kg



W 120 F	
Milling width	1.200 mm
Milling depth	0 – 330 mm
Engine power	261 kW / 350 HP / 355 PS
Operating weight, CE*	20.700 kg



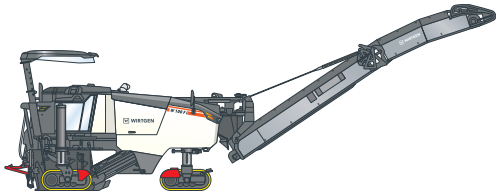
W 130 F	
Milling width	1.300 mm
Milling depth	0 – 300 mm
Engine power	261 kW / 350 HP / 355 PS
Operating weight, CE*	21.100 kg



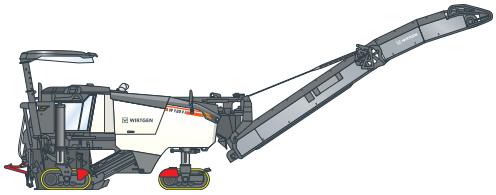
W 150 F	
Milling width	1.500 mm
Milling depth	0 – 330 mm
Engine power	276 kW / 370 HP / 375 PS
Operating weight, CE*	20.900 kg

* Machine weight, half the weight of all operating agents, tools, machine operator, excluding optional equipment

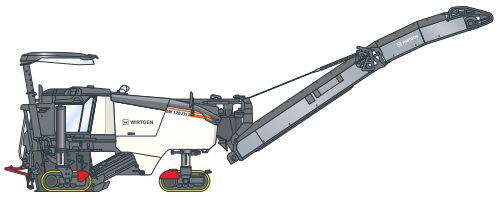
Machines compliant with EU Stage 5 / US EPA Tier 4f exhaust emission standards



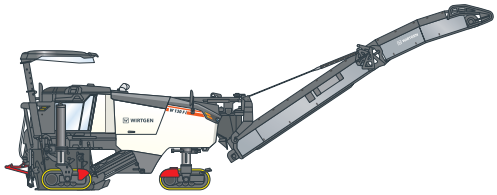
W 100 Fi	
Milling width	1.000 mm
Milling depth	0 – 330 mm
Engine power	265 kW / 355 HP / 360 PS
Operating weight, CE*	20.000 kg



W 120 Fi	
Milling width	1.200 mm
Milling depth	0 – 330 mm
Engine power	265 kW / 355 HP / 360 PS
Operating weight, CE*	21.000 kg

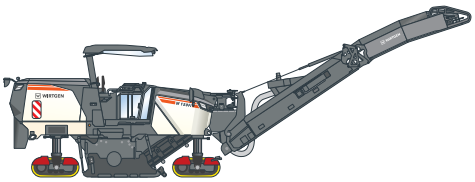


W 120 FTi (nur USA)	
Milling width	1.200 mm
Milling depth	0 – 330 mm
Engine power	265 kW / 355 HP / 360 PS
Operating weight, CE*	21.000 kg



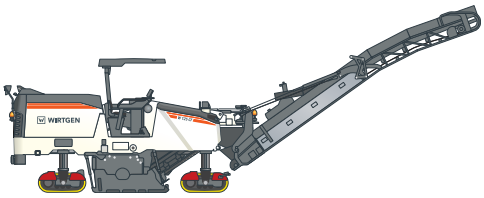
W 130 Fi	
Milling width	1.300 mm
Milling depth	0 – 330 mm
Engine power	265 kW / 355 HP / 360 PS
Operating weight, CE*	21.400 kg

Machines compliant with EU Stage 5 / US EPA Tier 4f exhaust emission standards



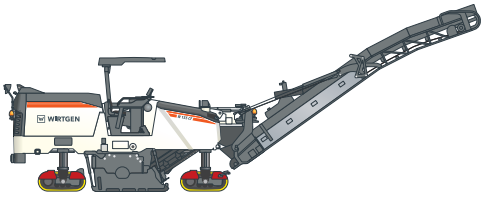
W 150 Fi	
Milling width	1.500 mm
Milling depth	0 – 330 mm
Engine power	313 kW / 420 HP / 426 PS
Operating weight, CE*	21.300 kg

Machines compliant with EU Stage 3a / US EPA Tier 3, CN Stage 3 exhaust emission standards

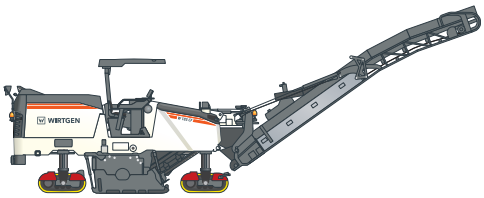


W 125 CF	
Milling width	1.200 mm
Milling depth	0 – 330 mm
Engine power	276 kW / 370 HP / 375 PS
Operating weight, CE*	21.150 kg

Machines compliant with EU Stage 3a / US EPA Tier 3, CN Stage 3 exhaust emission standards



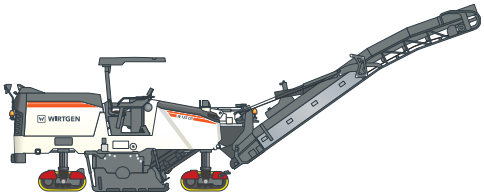
W 155 CF	
Milling width	1.500 mm
Milling depth	0 – 330 mm
Engine power	276 kW / 370 HP / 375 PS
Operating weight, CE*	20.650 kg



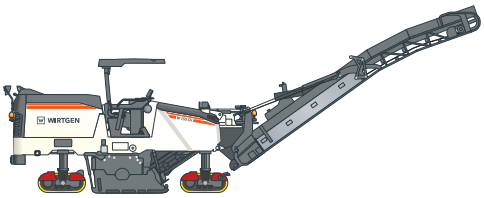
W 185 CF	
Milling width	1.900 mm
Milling depth	0 – 330 mm
Engine power	276 kW / 370 HP / 375 PS
Operating weight, CE*	21.000 kg

* Machine weight, half the weight of all operating agents, tools, machine operator, excluding optional equipment

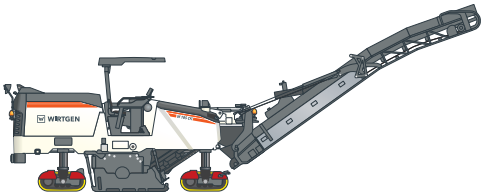
Machines compliant with CN NR Stage 4 exhaust emission standards



W 125 CFi	
Milling width	1.200 mm
Milling depth	0 – 330 mm
Engine power	292 kW / 392 HP / 397 PS
Operating weight, CE*	21.400 kg



W 155 CFi	
Milling width	1.500 mm
Milling depth	0 – 330 mm
Engine power	292 kW / 392 HP / 397 PS
Operating weight, CE*	20.900 kg



W 185 CFi	
Milling width	1.900 mm
Milling depth	0 – 330 mm
Engine power	292 kW / 392 HP / 397 PS
Operating weight, CE*	21.250 kg

LARGE MILLING MACHINES

Cost-effective pavement removal thanks to high milling performance

OVERVIEW LARGE MILLING MACHINES

- W 200 XP
- W 195 P
- W 205 P
- W 215 i
- W 200 H i
- W 200 F (i)
- W 207 F i
- W 210 XF
- W 220 XF
- W 250 XF

Large milling machines have a milling drum positioned centrally beneath the machine and a two-part front-loading system. Trucks can be loaded quickly and flexibly via the slewing and height-adjustable discharge conveyor.

A variety of different milling drums and milling drum assemblies are available to cater to the wide array of milling tasks.

They can be exchanged quickly and easily to suit the application.

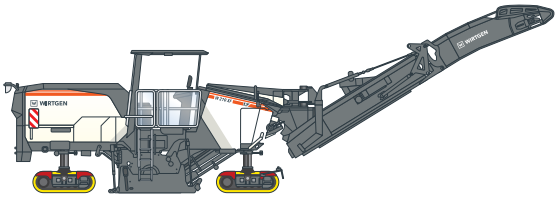
The range of applications extends from wide-scale complete removal down to a depth of 35 cm in a single pass to the rehabilitation of concrete pavements and airport runways as well as fine milling to improve pavement skid resistance.

up to 4,400 mm
Milling width

up to 350 mm
Milling depth

up to 900 kW / 1.207 HP / 1.224 PS
Engine power

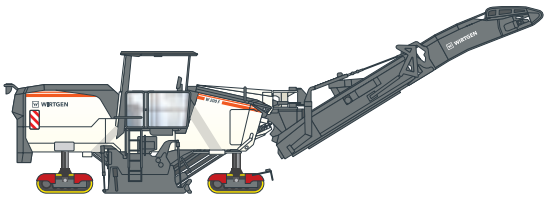
Machines not regulated in accordance with EU exhaust emission standards / US EPA Tier 2



W 210 XF

Milling width	2.000 mm
Milling depth	0 – 330 mm
Engine power	580 kW / 778 HP / 789 PS
Operating weight, CE*	29.800 kg

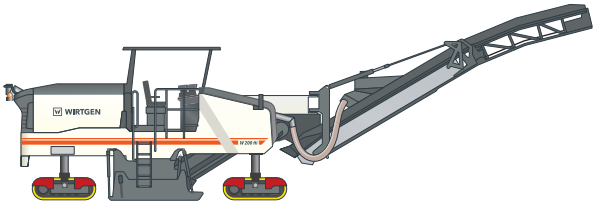
Machines compliant with EU Stage 3a / US EPA Tier 3 exhaust emission standards



W 200 F

Milling width	2.000 mm
Milling depth	0 – 330 mm
Engine power	455 kW / 610 HP / 619 PS
Operating weight, CE*	28.200 kg

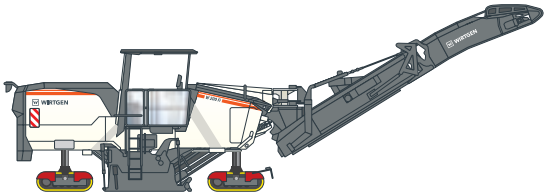
Machines compliant with EU Stage 4 / US EPA Tier 4f exhaust emission standards



W 200 Hi

Milling width	2.100 mm
Milling depth	0 – 300 mm
Engine power	455 kW / 610 HP / 619 PS
Operating weight, CE*	29.800 kg

Machines compliant with EU Stage 5 / US EPA Tier 4f exhaust emission standards

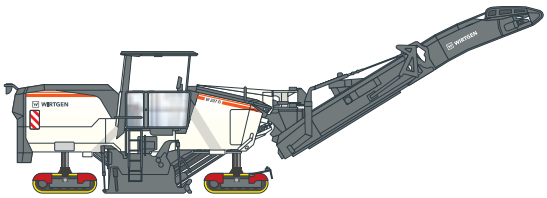


W 200 Fi

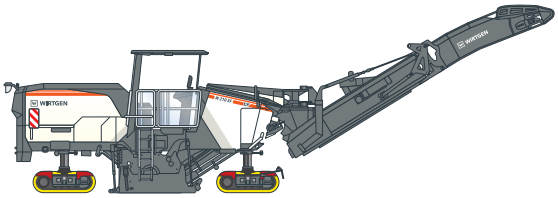
Milling width	2.000 mm
Milling depth	0 – 330 mm
Engine power	455 kW / 610 HP / 619 PS
Operating weight, CE*	28.200 kg

* Machine weight, half the weight of all operating agents, tools, machine operator, excluding optional equipment

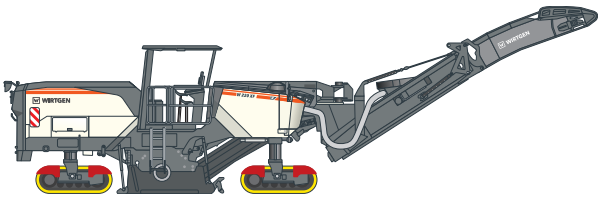
Machines compliant with EU Stage 5 / US EPA Tier 4f exhaust emission standards



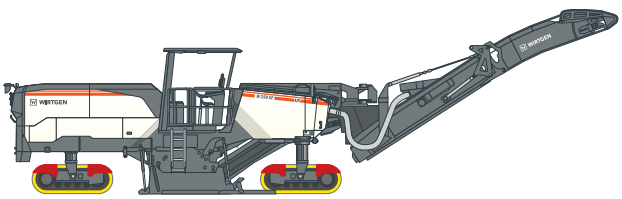
W 207 Fi	
Milling width	2.000 mm
Milling depth	0 – 330 mm
Engine power	470 kW / 630 HP / 639 PS
Operating weight, CE*	28.700 kg



W 210 XF	
Milling width	2.000 mm
Milling depth	0 – 330 mm
Engine power	580 kW / 778 HP / 789 PS
Operating weight, CE*	29.800 kg

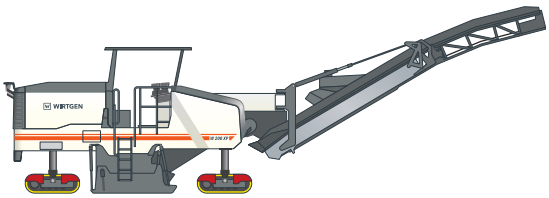


W 220 XF	
Milling width	2.200 mm
Milling depth	0 – 350 mm
Engine power	627 kW / 841 HP / 853 PS
Operating weight, CE*	37.800 kg



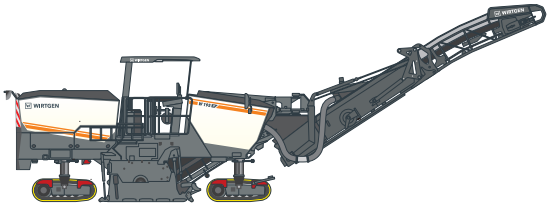
W 250 XF	
Milling width	2.200 mm
Milling depth	0 – 350 mm
Engine power	900 kW / 1.207 HP / 1.224 PS
Operating weight, CE*	44.000 kg

Machines compliant with EU Stage 3a / US EPA Tier 3, CN Stage 3 exhaust emission standards



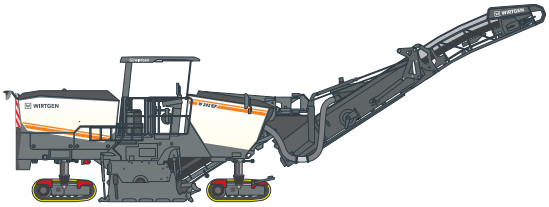
W 200 XP	
Milling width	2.000 mm
Milling depth	0 – 330 mm
Engine power	455 kW / 610 HP / 619 PS
Operating weight, CE*	29.160 kg

Machines compliant with CN NR Stage 4 exhaust emission standards

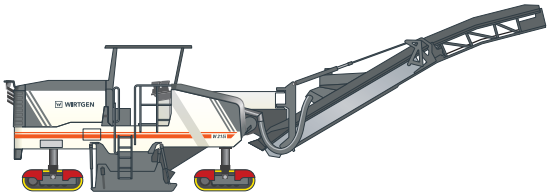


W 195 P	
Milling width	2.000 mm
Milling depth	0 – 330 mm
Engine power	447 kW / 600 HP / 608 PS
Operating weight, CE*	28.770 kg

Machines compliant with CN NR Stage 4 exhaust emission standards



W 205 P	
Milling width	2.000 mm
Milling depth	0 – 330 mm
Engine power	503 kW / 675 HP / 684 PS
Operating weight, CE*	30.065 kg



W 215 i	
Milling width	2.000 mm
Milling depth	0 – 330 mm
Engine power	470 kW / 630 HP / 639 PS
Operating weight, CE*	30.840 kg

* Machine weight, half the weight of all operating agents, tools, machine operator, excluding optional equipment

W 210 XF
WIRTGEN

COLD RECYCLERS AND STABILIZERS

The ideal solution for every application

WIRTGEN offers a wide range of products for cold recycling and soil stabilization. The series feature a finely varied range of models that seamlessly cover all performance classes and impressively master every challenge.

In addition, the machines offer a unique range of options that enable them to meet the individual requirements of applications or specific terms of calls for tenders.

WS SERIES

Soil stabilization on small and medium-sized sites

OVERVIEW WS SERIES

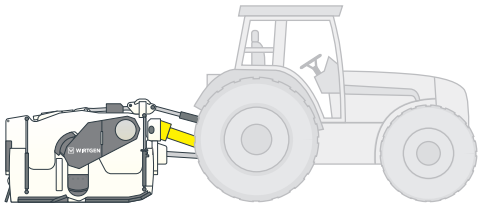
WS 250

The tractor-towed stabilizer can be attached to a tractor in a few swift moves. The adjustable rotor plate ensures the homogeneous mixing quality of binding agent and soil.

Side plates which move on skids, the mechanical belt drive on each side and the effective milling and mixing rotor contribute to the high performance. In the soil improvement process, the tractor-towed stabilizer produces soils suitable for placing and compacting, while in the soil stabilization process, it creates load-bearing surfaces.

up to 2,500 mm
Working width

up to 500 mm
Working depth



WS 250	
Working width	2.500 mm
Working depth	0 – 500 mm
Operating weight, CE*	5.160 kg
Engine power of tractor	> 250 kW / 340 PS

* Machine weight, half the weight of all operating agents, tools, excluding optional equipment

JOHN DEERE
50
WIRTGEN
WS 250

WR SERIES / WRS SERIES

Stabilization of soils and recycling of asphalt courses

OVERVIEW
WR SERIES / WRS SERIES

WR Series
> WR 200 X
> WR 240 X
> WR 250 X

WRS Series
> WRS 240 X

The recyclers have a variable mixing chamber and micro-processor-controlled injection systems for the addition of bitumen emulsion, water and foamed bitumen. In the soil stabilization process, the all-wheel drive, all-terrain machines mix binding agents into existing soils, producing load-bearing soils with ideal properties for further roadworks.

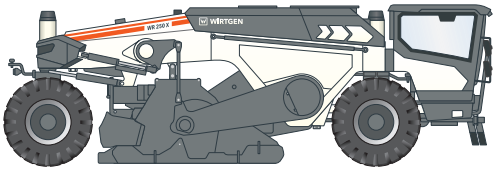
In the cold recycling process, the existing pavement is milled off and the milled material is then homogeneously mixed with the added binding agents. The new material mix then serves as the basis for the production of cement-treated (CTB) or flexible bituminous-bound base layers.

up to 2,400 mm
Working width

up to 560 mm
Working depth

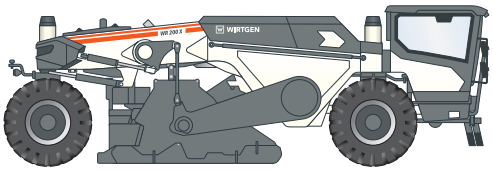
up to 571 kW / 766 HP / 777 PS
Engine power

WR Series | Machines not regulated in accordance with EU exhaust emission standards / US EPA Tier 2



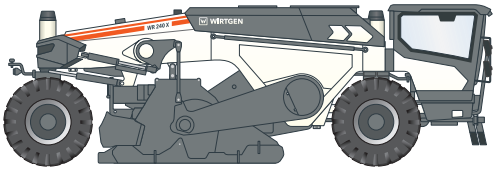
WR 250 X	
Working width	2.400 mm
Working depth	0 – 560 mm
Engine power	571 kW / 766 HP / 777 PS
Operating weight, CE*	31.700 kg

WR Series | Machines compliant with EU Stage 3a / US EPA Tier 3 exhaust emission standards



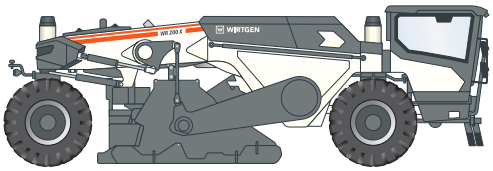
WR 200 X	
Working width	2.000 mm (optional 2.400 mm)
Working depth	0 – 500 mm
Engine power	315 kW / 422 HP / 428 PS
Operating weight, CE*	24.200 kg

WR Series | Machines compliant with EU Stage 3a / US EPA Tier 3 exhaust emission standards



WR 240 X	
Working width	2.400 mm
Working depth	0 – 510 mm
Engine power	455 kW / 610 HP / 619 PS
Operating weight, CE*	30.000 kg

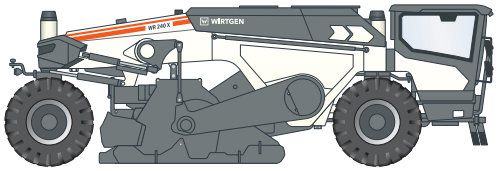
WR Series | Machines compliant with EU Stage 5 / US EPA Tier 4f exhaust emission standards



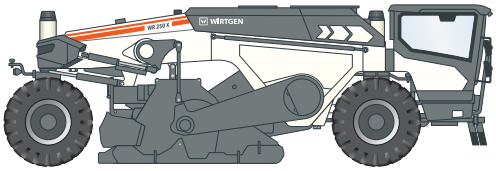
WR 200 X	
Working width	2.000 mm (optional 2.400 mm)
Working depth	0 – 500 mm
Engine power	320 kW / 429 HP / 435 PS
Operating weight, CE*	24.500 kg

* Machine weight, half the weight of all operating agents, tools, machine operator, excluding optional equipment

WR Series | Machines compliant with EU Stage 5 / US EPA Tier 4f exhaust emission standards

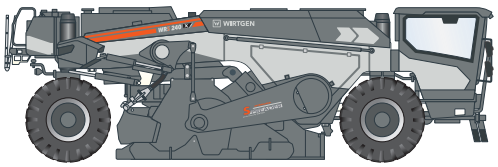


WR 240 X	
Working width	2.400 mm
Working depth	0 – 510 mm
Engine power	455 kW / 610 HP / 619 PS
Operating weight, CE*	30.600 kg



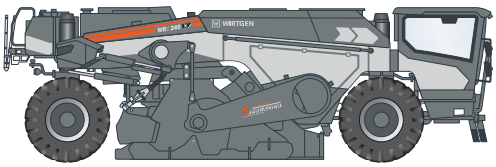
WR 250 X	
Working width	2.400 mm
Working depth	0 – 560 mm
Engine power	563 kW / 755 HP / 766 PS
Operating weight, CE*	32.000 kg

WRS Series | Machines compliant with EU Stage 3a / US EPA Tier 3 exhaust emission standards



WRS 240 X	
Working width	2.400 mm
Working depth	0 – 510 mm
Engine power	455 kW / 610 HP / 619 PS
Operating weight, CE*	33.600 kg

WRS Series | Machines compliant with EU Stage 5 / US EPA Tier 4f exhaust emission standards



WRS 240 X	
Working width	2.400 mm
Working depth	0 – 510 mm
Engine power	455 kW / 610 HP / 619 PS
Operating weight, CE*	34.200 kg

WRC SERIES

High-performance, in-situ rock crushing and homogeneous mixing

OVERVIEW WRC SERIES

WRC 240 X

The innovative WIRTGEN Rock Crusher with its high-performance crushing, screening, and mixing unit can crush, process, and homogenise hardcore, concrete fragments, cobblestones, and rocks.

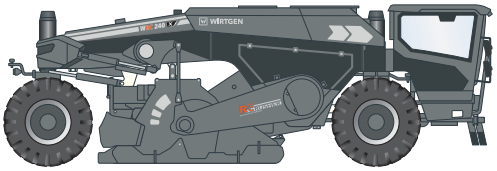
Thanks to the powerful and sturdy crushing and mixing unit, the highest efficiency and best mixing results are achieved.

up to 2,320 mm
Working width

up to 510 mm
Working depth

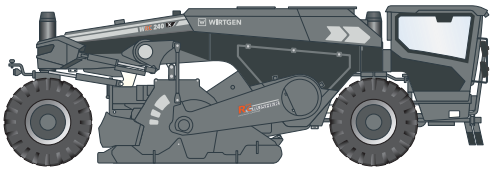
up to 455 kW / 610 HP / 619 PS
Engine power

Machines compliant with
EU Stage 3a / US EPA Tier 3 exhaust emission standards



WRC 240 X	
Working width	2.320 mm
Working depth	0 – 510 mm
Engine power	455 kW / 610 HP / 619 PS
Operating weight, CE*	33.700 kg

Machines compliant with
EU Stage 5 / US EPA Tier 4f exhaust emission standards



WRC 240 X	
Working width	2.320 mm
Working depth	0 – 510 mm
Engine power	455 kW / 610 HP / 619 PS
Operating weight, CE*	34.300 kg

* Machine weight, half the weight of all operating agents, tools, machine operator, excluding optional equipment

CR SERIES

Recycling asphalt layers in a single pass

OVERVIEW CR SERIES

- **W 240 CR(i)**
- **W 380 CR(i)**

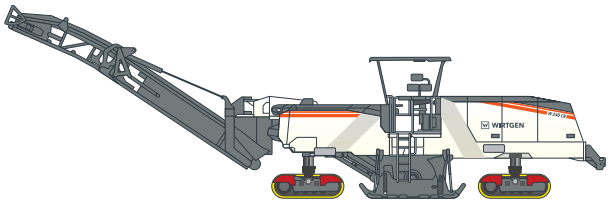
Cold recyclers of the CR series are utilized for exceptionally efficient recycling of road pavements. Binding agents and water are added in precisely metered quantities by means of microprocessor- controlled injection systems.

Cold recyclers with a paving screed use the down-cut process and immediately repave the recycled construction material.

In large projects requiring high daily performances, the recycler transfers the recycled construction material via its integrated discharge conveyor to the material hopper of the downstream paver, which immediately repaves it, achieving a high degree of precompaction. The recyclers in the CR series additionally can be used as high-performance milling machines.

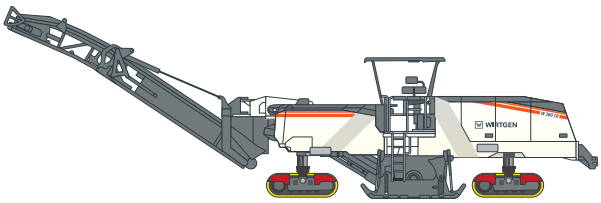
up to 3,800 mm Working width	**up to 350 mm** Working depth	**up to 775 kW / 1,038 HP / 1,054 PS** Engine power

Machines not regulated in accordance with EU exhaust emission standards / US EPA Tier 2



W 240 CR

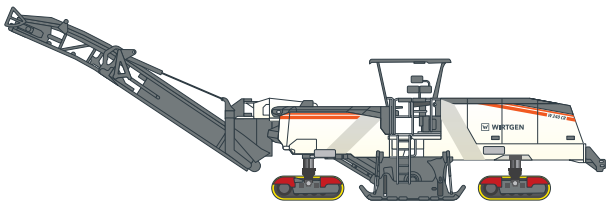
Working width	2.350 mm
Working depth*	0 – 350 mm
Engine power	708 kW / 950 HP / 963 PS
Operating weight, CE**	48.500 kg



W 380 CR

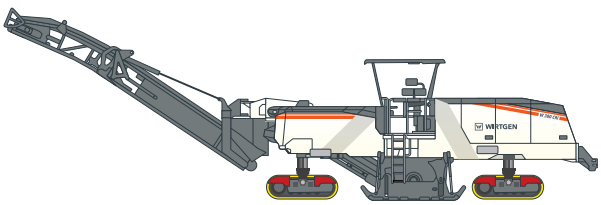
Working width	3.800 mm
Working depth*	0 – 350 mm
Engine power	708 kW / 950 HP / 963 PS
Operating weight, CE**	53.000 kg

Machines compliant with EU Stage 5 / US EPA Tier 4f exhaust emission standards



W 240 CRi

Working width	2.350 mm
Working depth*	0 – 350 mm
Engine power	775 kW / 1.038 HP / 1.054 PS
Operating weight, CE**	48.500 kg



W 380 CRi

Working width	3.800 mm
Working depth*	0 – 350 mm
Engine power	775 kW / 1.038 HP / 1.054 PS
Operating weight, CE**	53.000 kg

* The maximum working depth may deviate from the value indicated due to tolerances and wear
** Machine weight, half the weight of all operating agents, tools, machine operator, excluding optional equipment

WIRTGEN

KMA SERIES

Ancillary equipment with special functions

OVERVIEW KMA SERIES

KMA 240 (i)

The mobile cold recycling mixing plant is simple to transport and quick to set up in the direct vicinity of the operation site. The robust twin-shaft compulsory mixer achieves high mixing performance levels. Microprocessor-controlled injection systems for the addition of a wide range of binding agents ensure that the materials are mixed precisely to formula.

The slewing discharge conveyor with its wide range of motion enables the processed cold mix to be stockpiled or continually loaded onto transport vehicles.

up to 240 t/h
Mixing power

129,4 kW / 174 HP / 176 PS
Engine power

Machines compliant with EU Stage 3a / US EPA Tier 3 exhaust emission standards

KMA 240	
Mixing performance	max. 240 t/h
Engine power	129,4 kW / 174 HP / 176 PS
Operating weight, CE*	31.650 kg

Machines compliant with EU Stage 5 / US EPA Tier 4f exhaust emission standards

KMA 240 i	
Mixing performance	max. 240 t/h
Engine power	129 kW / 173 HP / 175 PS
Operating weight, CE*	31.850 kg

* Machine weight, half the weight of all operating agents, tools, excluding optional equipment

LABORATORY EQUIPMENT

Ancillary equipment with special functions

LABORATORY FOAMED BITUMEN PLANT WLB 10 S	
Dimensions (L x B x H)	1,450 x 685 x 1,345 mm
Bitumen pump	electrically heated gear pump
Electrical system	suitable for different mains power systems
Bitumen temperature	140–200 °C
Water content	0–5 % v. Bitumen
Air pressure	0–10 bar
Own weight	270 kg

LABORATORY MIXER WLM 30	
Dimensions (L x B x H)	1,085 x 770 x 960 mm
Mixing capacity	30 kg
Mixer type	twin-shaft compulsory mixer
Mixer speed	0–144 U/min
Drive	electric motor
Electrical system	suitable for different mains power systems
Own weight	220 kg

LABORVERDICHTER WLV 1	
Dimensions (L x B x H)	720 x 600 x 1,950 mm
Impact energy	max. 23 J
Cylindrical mold, small (Ø x H)	152 x 150 mm
Cylindrical mold, large (Ø x H):	152 x 320 mm
Electrical system	1.8 kW (suitable for different mains power systems)
Own weight	170 kg

SLIPFORM PAVERS

The ideal solution for every application

The seamless range of WIRTGEN inset slipform pavers covers all performance classes and fields of application. Standard paving widths for concrete slabs range from 1.0 m to 16.0 m at standard paving heights of up to 450 mm.

The WIRTGEN product range also offers an extensive portfolio of offset slipform pavers. Numerous machine configurations are possible. Concrete safety barriers for crash protection on highways can be produced at standard heights of up to 2.2 m.

OFFSET SLIPFORM PAVERS

Multitalents in monolithic profile paving

OVERVIEW OFFSET SLIPFORM PAVERS

- **SP 33**
- **SP 20 (i)**
- **SP 25 (i)**
- **SP 61 (i)**

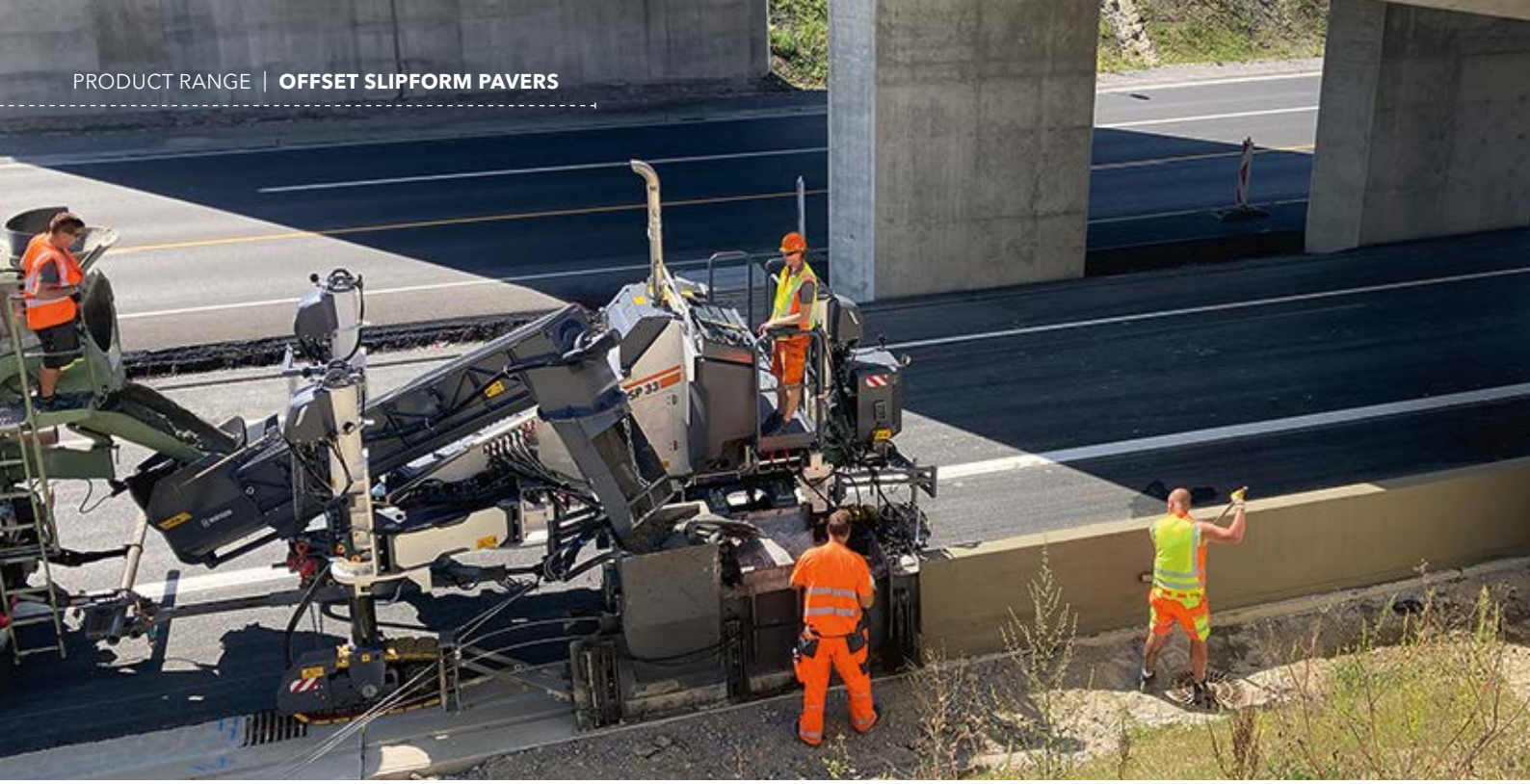
With offset slipform pavers, the concrete is transported into the offset mold via a loading conveyor or a conveyor auger. The offset mold can be mounted on the left or right-hand side of the machine. A number of molds in a wide range of different shapes and sizes are available for individual applications. The offset profiles are continually produced monolithically, with or without reinforcements. In Crosspave configuaration concrete surfaces up to a paving width of 3.0 m can be realized without a Trimmer.

Machine features include a top-quality machine control system, a practical steering and drive system and stringline-free concrete paving.

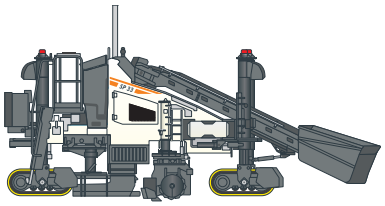
up to 4.0 m
Installation width

up to 3.0 m
Installation height

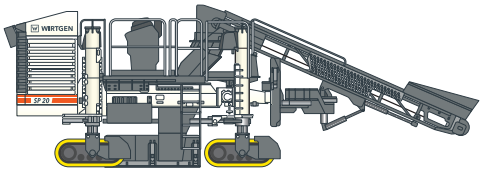
up to 180 kW / 241 HP / 245 PS
Engine power



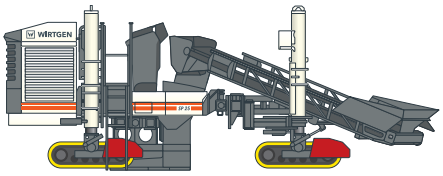
Machines compliant with EU Stage 3a / US EPA Tier 3 exhaust emission standards



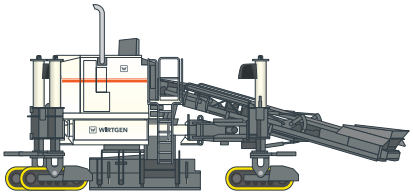
SP 33	
Paving width **	max. 2.200 mm Offset
Paving height **	1.300 mm Offset
Engine power	92 kW / 123 HP / 125 PS
Operating weight, CE *	10.000 – 17.000 kg



SP 20	
Paving width **	max. 2.500 mm
Paving height **	max. 2.000 mm
Engine power	118 kW / 158 HP / 160 PS
Operating weight, CE *	11.000 – 18.900 kg



SP 25	
Paving width **	max. 2.500 mm Offset
Paving height **	max. 2.000 mm Offset
Engine power	118 kW / 158 HP / 160 PS
Operating weight, CE *	11.500 – 22.500 kg

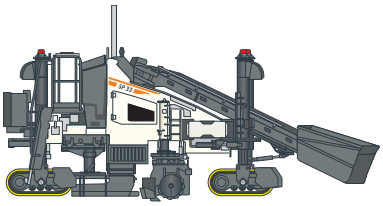


SP 61	
Paving width **	max. 4.000 mm
Paving height **	max. 3.000 mm
Engine power	155 kW / 208 HP / 211 PS
Operating weight, CE *	16.000 – 27.500 kg

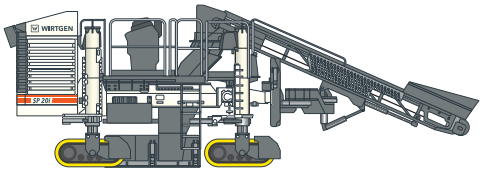
* Weight of machine, half weight of all consumables, machine operator (75 kg), on-board tool kit, no optional equipment; weights depend on the actual equipment installed and the working width

** Please consult factory for different offset geometries or special applications

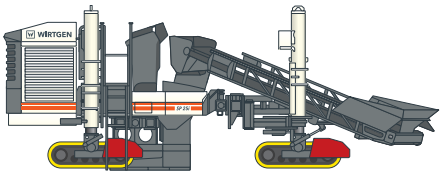
Machines compliant with EU Stage 5 / US EPA Tier 4f exhaust emission standards



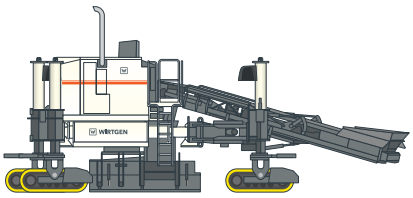
SP 33	
Paving width**	max. 2.200 mm Offset
Paving height**	1.300 mm Offset
Engine power	95 kW / 127 HP / 129 PS
Operating weight, CE*	10.000 – 17.000 kg



SP 20 i	
Paving width**	max. 2.500 mm
Paving height**	max. 2.000 mm
Engine power	115 kW / 154 HP / 156 PS
Operating weight, CE*	11.000 – 18.900 kg



SP 25 i	
Paving width**	max. 2.500 mm Offset
Paving height**	max. 2.000 mm Offset
Engine power	115 kW / 154 HP / 156 PS
Operating weight, CE*	11.500 – 22.500 kg



SP 61 i	
Paving width**	max. 4.000 mm
Paving height**	max. 3.000 mm
Engine power	180 kW / 241 HP / 245 PS
Operating weight, CE*	16.000 – 27.500 kg

INSET SLIPFORM PAVERS

Single- and dual-layer paving of large concrete slabs

OVERVIEW INSET SLIPFORM PAVERS

- SP 25 (i)
- SP 62 (i)
- SP 64 (i)
- SP 94 (i)
- SP 102 i
- SP 124 (i)
- SP 154 i
- SP 164 (i)

With inset slipform pavers, the concrete is placed directly in front of the machine and distributed by a spreading auger or spreading plough.

Vibrators compact the concrete homogeneously and the mold forms it in the specified width and thickness as the slipform paver advances. Integrated dowel bar and tie bar inserters position dowel bars and tie bars as specified.

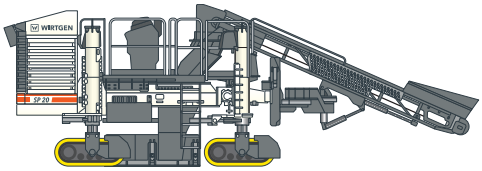
The finishing beam levels the area transverse to the pavement and the super smoother creates a perfect surface. When paving dual-layer concrete, the bottom-layer and top-layer concrete are processed simultaneously and paved wet-in-wet.

up to 16.0 m
Paving width

up to 450 mm
Paving thickness

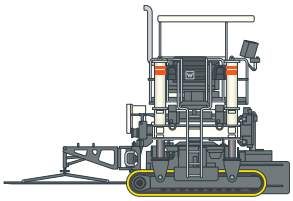
321 kW / 430 HP / 436 PS
Engine power

Machines compliant with EU Stage 3a / US EPA Tier 3 exhaust emission standards



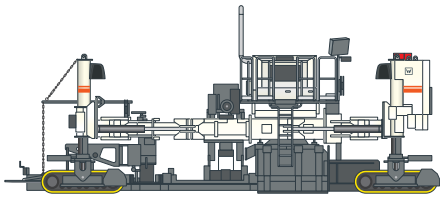
SP 25

Paving width	max. 3,5 m Inset
Paving thickness **	max. 400 mm Inset
Engine power	118 kW / 158 HP / 160 PS
Operating weight, CE*	11.500 – 22.500 kg



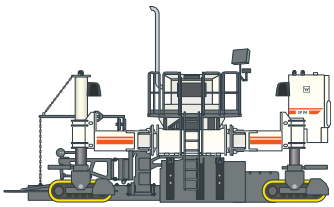
SP 62

Paving width **	3,5 – 7,5 m
Paving thickness **	max. 450 mm
Engine power	155 kW / 208 HP / 211 PS
Operating weight, CE*	17.000 – 36.000 kg



SP 64

Paving width **	2,0 - 7,5 m
Paving thickness **	max. 450 mm
Engine power	155 kW / 208 HP / 211 PS
Operating weight, CE*	21.000 – 54.000 kg



SP 94

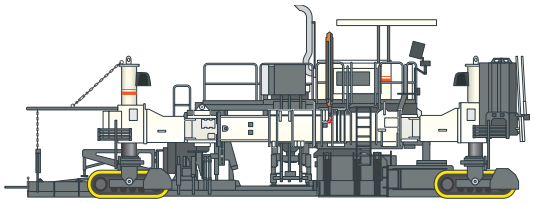
Paving width **	3,5 – 9,5 m
Paving thickness **	max. 450 mm
Engine power	224 kW / 300 HP / 305 PS
Operating weight, CE*	30.500 – 75.000 kg

* Weight of machine, half weight of all consumables, machine operator (75 kg), on-board tool kit, no optional equipment; weights depend on the actual equipment installed and the working width

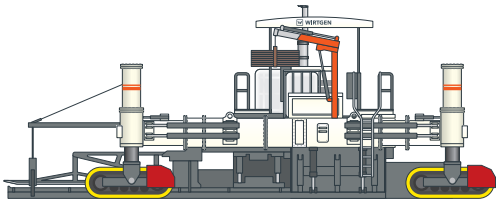
** Please consult factory for different offset geometries or special applications

*** Machine with different specifications also available for the North American market

Machines compliant with EU Stage 3a / US EPA Tier 3 exhaust emission standards

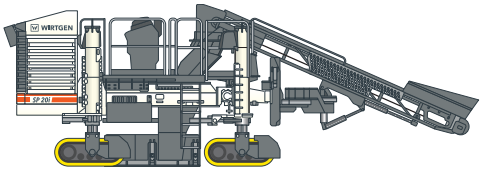


SP 124	
Paving width **	4,5 – 12,0 m
Paving thickness **	max. 450 mm
Engine power	272 kW / 365 HP / 370 PS
Operating weight, CE *	48.000 – 106.000 kg

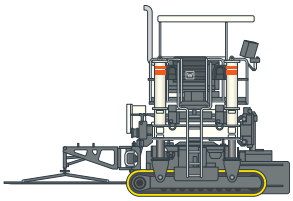


SP 164	
Paving width **	5,0 – 16,0 m
Paving thickness **	max. 450 mm
Engine power	313 kW / 420 HP / 426 PS
Operating weight, CE *	48.000 – 155.000 kg

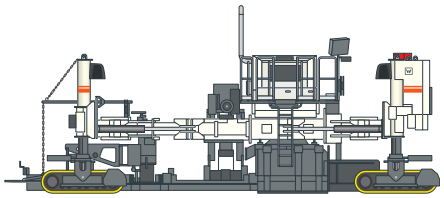
Machines compliant with EU Stage 5 / US EPA Tier 4f exhaust emission standards



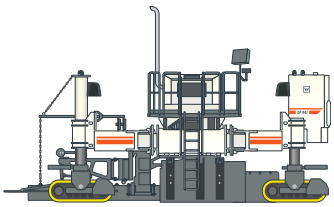
SP 25 i	
Paving width	max. 3,5 m Inset
Paving thickness **	max. 400 mm Inset
Engine power	115 kW / 154 HP / 156 PS
Operating weight, CE*	11.500 – 22.500 kg



SP 62 i ***	
Paving width **	3,5 – 7,5 m
Paving thickness **	max. 450 mm
Engine power	180 kW / 241 HP / 245 PS
Operating weight, CE*	17.000 – 36.000 kg



SP 64 i ***	
Paving width **	2,0 - 7,5 m
Paving thickness **	max. 450 mm
Engine power	180 kW / 241 HP / 245 PS
Operating weight, CE*	21.000 – 54.000 kg



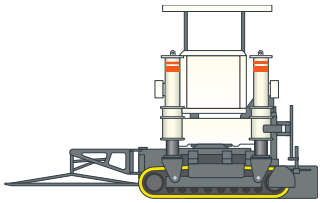
SP 94 i ***	
Paving width **	3,5 – 9,5 m
Paving thickness **	max. 450 mm
Engine power	231 kW / 310 HP / 314 PS
Operating weight, CE*	30.500 – 75.000 kg

* Weight of machine, half weight of all consumables, machine operator (75 kg), on-board tool kit, no optional equipment; weights depend on the actual equipment installed and the working width

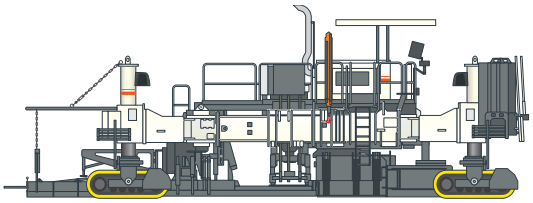
** Please consult factory for different offset geometries or special applications

*** Machine with different specifications also available for the North American market

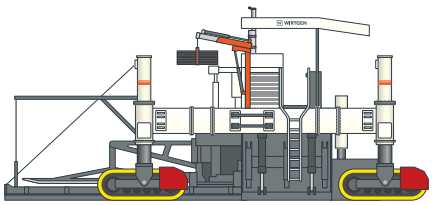
Machines compliant with EU Stage 5 / US EPA Tier 4f exhaust emission standards



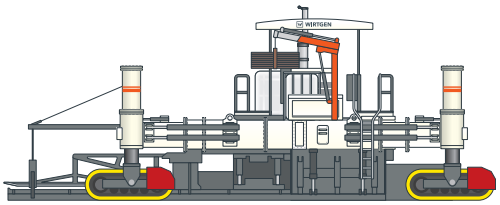
SP 102 i (nur USA)	
Paving width **	16 – 40 ft
Paving thickness **	max. 450 mm
Engine power	231 kW / 310 HP / 314 PS
Operating weight, CE *	25.500 – 51.000 kg



SP 124 i ***	
Paving width **	4,5 – 12,0 m
Paving thickness **	max. 450 mm
Engine power	321 kW / 430 HP / 436 PS
Operating weight, CE *	48.000 – 106.000 kg



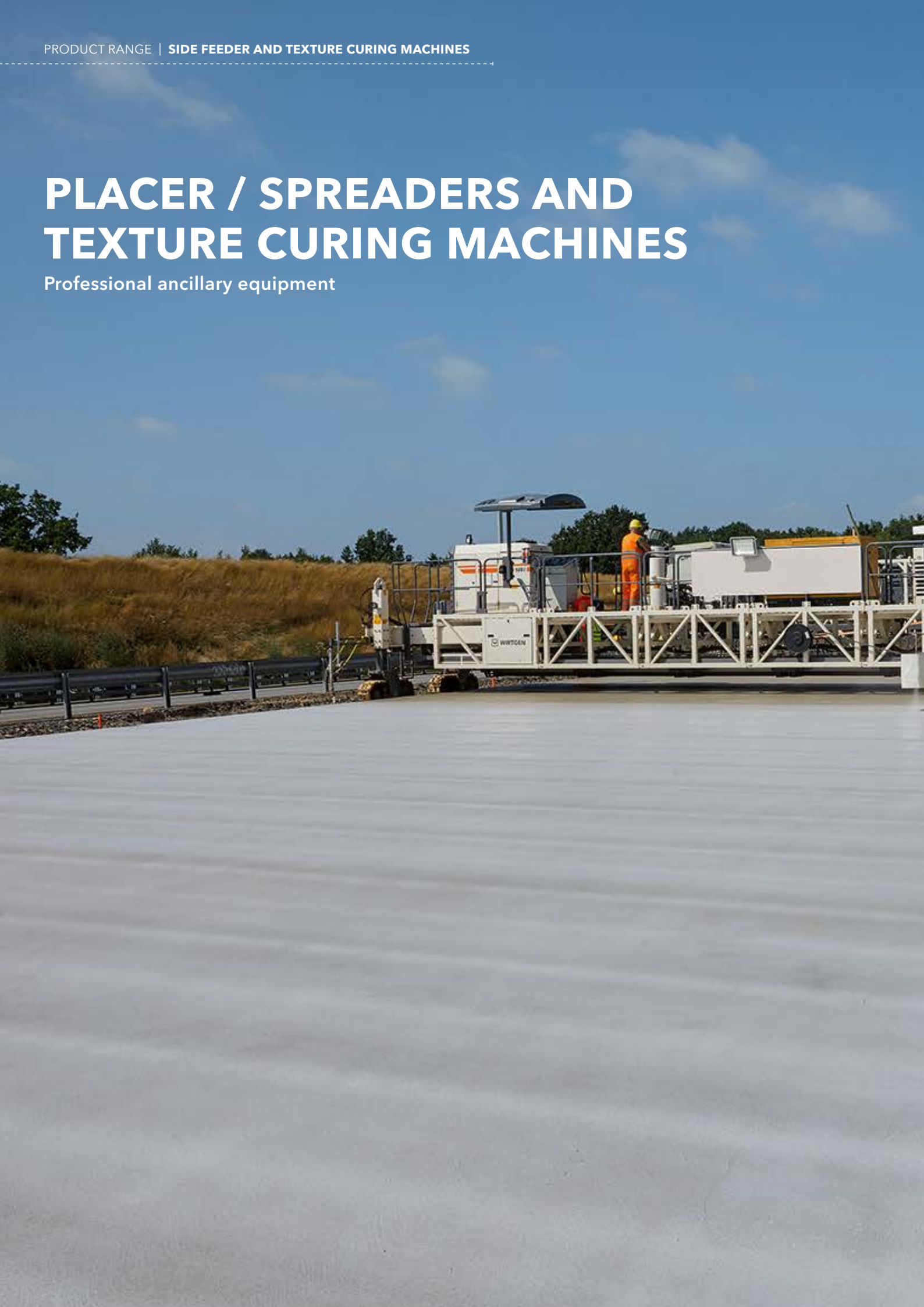
SP 154 i	
Paving width **	5,0 – 16,0 m
Paving thickness **	max. 450 mm
Engine power	321 kW / 430 HP / 436 PS
Operating weight, CE *	38.000 – 80.000 kg



SP 164 i	
Paving width **	5,0 – 16,0 m
Paving thickness **	max. 450 mm
Engine power	321 kW / 430 HP / 436 PS
Operating weight, CE *	48.000 – 155.000 kg

PLACER / SPREADERS AND TEXTURE CURING MACHINES

Professional ancillary equipment



OVERVIEW SIDE FEEDER AND TEXTURE CURING MACHINES

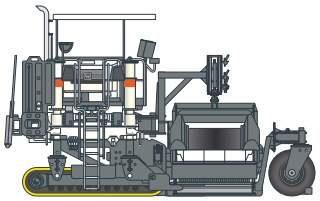
- **WPS 62 (i)**
- **WPS 102 (i)**
- **TCM 95 (i)**
- **TCM 180 (i)**

If a reinforcement is to be laid in advance of a concrete pavement, concrete can be fed from the side. The side feeder travels over the top of the pre-placed reinforcement in front of the slipform paver, while being fed with concrete from the side. It lays the concrete evenly in front of the slipform paver and spreads it across the full working width.

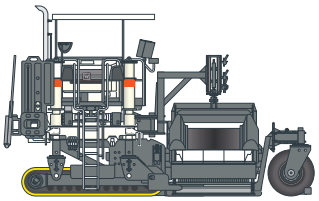
Texture curing machines give the concrete pavement the desired surface texture, applying a dispersion which prevents the surface and edges from drying too quickly. The specified surface texture is achieved with a brush. Alternatively, a burlap or synthetic turf can be drawn across the concrete pavement in a longitudinal direction. Automatic crown adjustment and a film unwinder round off the features of the machine.

up to 18.0 m Working width	**up to 500 mm** Working height	**up to 180 kW / 241 HP / 245 PS** Engine power

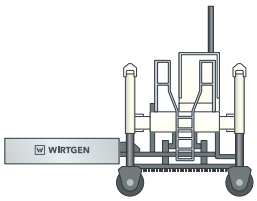
Machines compliant with EU Stage 3a / US EPA Tier 3 exhaust emission standards



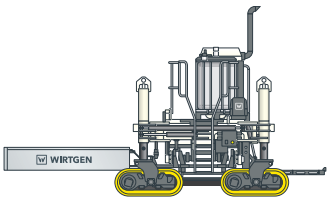
WPS 62	
Working width	4,5 – 7,5 m
Working height	max. 500 mm
Engine power	155 kW / 208 HP / 211 PS
Operating weight, CE*	17.000 – 40.000 kg



WPS 102	
Working width	4,5 – 12,0 m
Working height	max. 500 mm
Engine power	224 kW / 300 HP / 305 PS
Operating weight, CE*	25.500 – 51.000 kg



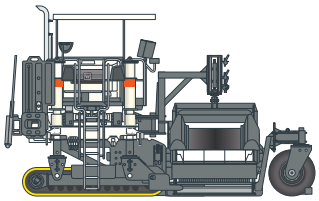
TCM 95	
Working width	4,0 - 9,5 m
Working height	max. 500 mm
Engine power	41 kW / 55 HP / 56 PS
Operating weight, CE*	7.500 – 15.000 kg



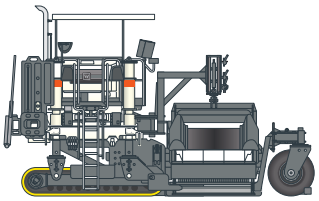
TCM 180	
Working width	4,0 - 18,0 m
Working height	max. 500 mm
Engine power	41 kW / 55 HP / 56 PS
Operating weight, CE*	9.000 – 19.500 kg

* Weight of machine, half weight of all consumables, machine operator (75 kg), on-board tool kit, no optional equipment; weights depend on the actual equipment installed and the working width

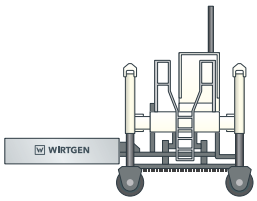
Machines compliant with EU Stage 5 / US EPA Tier 4f exhaust emission standards



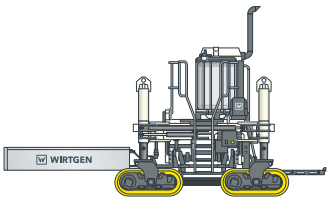
WPS 62 i	
Working width	4,5 – 7,5 m
Working height	max. 500 mm
Engine power	180 kW / 241 HP / 245 PS
Operating weight, CE*	17.000 – 40.000 kg



WPS 102 i (nur USA)	
Working width	4,5 – 12,0 m
Working height	max. 500 mm
Engine power	231 kW / 310 HP / 314 PS
Operating weight, CE*	25.500 – 51.000 kg



TCM 95 i	
Working width	4,0 - 9,5 m
Working height	max. 500 mm
Engine power	45 kW / 60 HP / 61 PS
Operating weight, CE*	7.500 – 15.000 kg



TCM 180 i	
Working width	4,0 - 18,0 m
Working height	max. 500 mm
Engine power	45 kW / 60 HP / 61 PS
Operating weight, CE*	9.000 – 19.500 kg

SURFACE MINERS AND CROSS APPLICATION MINERS

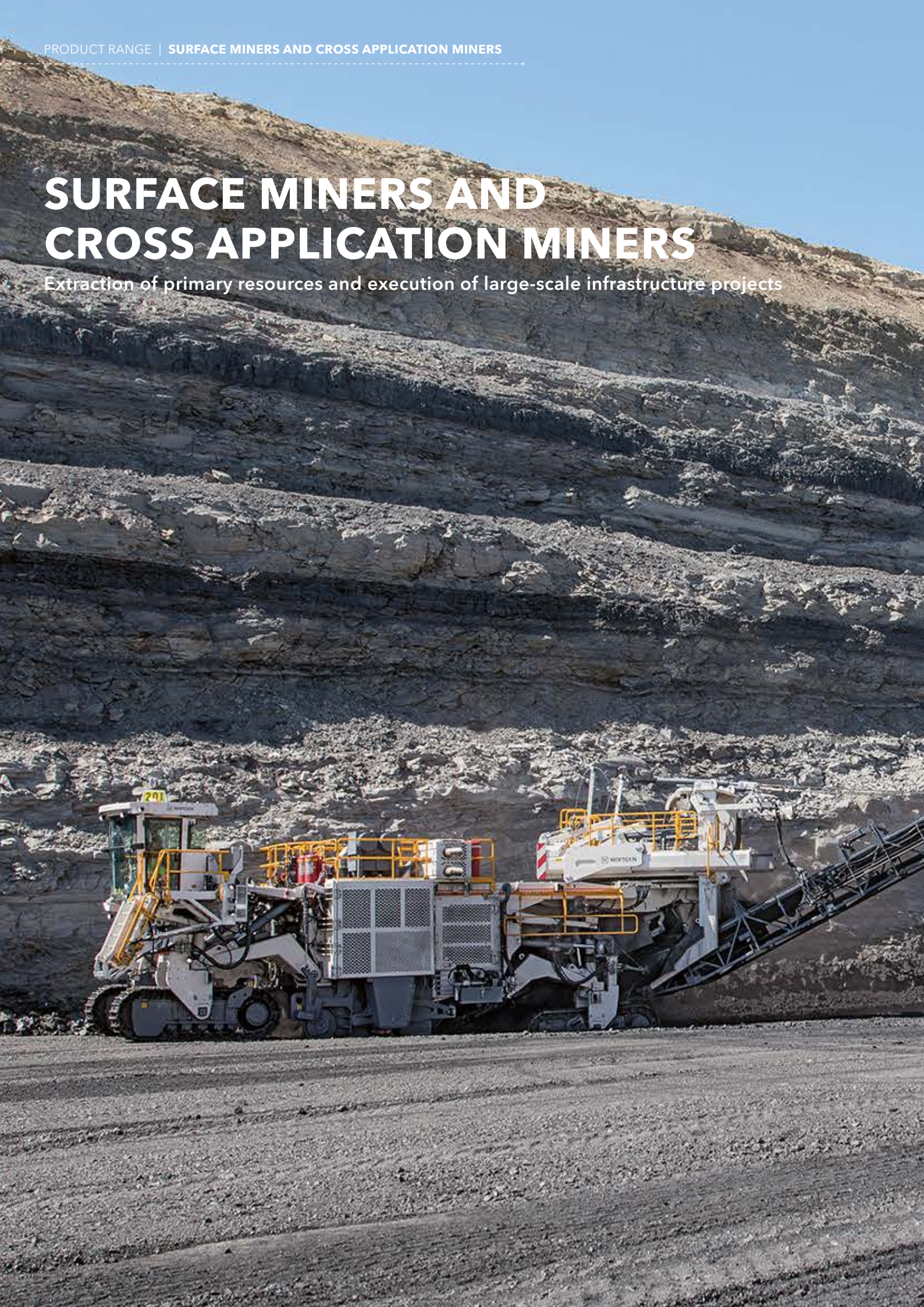
The ideal solution for every application

Ruggedly-built Surface Miners are used for the extraction of a wide range of primary resources by cutting in open cast mines. Thanks to selective extraction, they achieve high degrees of material quality and enable optimal exploitation of mineral deposits.

Cross Application Miners are purpose-built for frequently changing applications, particularly in the course of larger infrastructure projects. These machines therefore differ to some extent in terms of features, equipment and size and are therefore also easier to transport.

SURFACE MINERS AND CROSS APPLICATION MINERS

Extraction of primary resources and execution of large-scale infrastructure projects



OVERVIEW SURFACE MINERS

- 220 SM(i)
- 220 SM(i) 3.8
- 280 SM(i)
- 4200 SM(i)

CROSS APPLICATION MINER

- 260 SX(i)

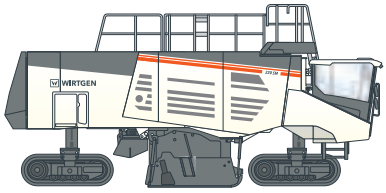
Surface Miner surface miners extract raw materials such as coal, gypsum, salt, phosphate, bauxite, or limestone in open-cast mines. The selective extraction process assures high material purity and optimal exploitation of deposits.
Cross application miners provide solutions for larger-scale infrastructure projects, and are employed for cutting routes or lowering the floors in tunnels.
The extracted material can be deposited behind the machine in windrows, sidecast in heaps by an integrated discharge conveyor, or loaded directly onto transport vehicles.

up to 4,200 mm
Cutting width

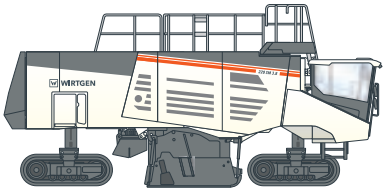
up to 830 mm
Cutting depth

up to 1,194 kW / 1,600 HP / 1,623 PS
Engine power

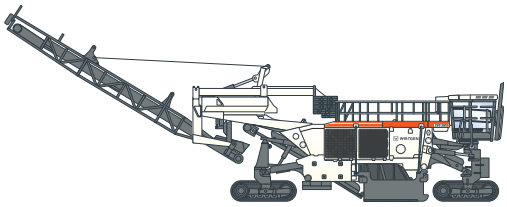
Machines not regulated in accordance with EU exhaust emission standards / US EPA Tier 2



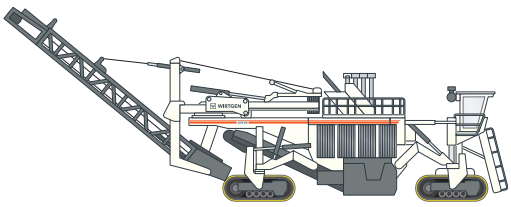
220 SM	
Cutting width	2.200 mm
Cutting depth	0 – 350 mm
Engine power	708 kW / 950 HP / 963 PS
Operating weight, CE*	53.150 kg



220 SM 3.8	
Cutting width	3.800 mm
Cutting depth	0 – 350 mm
Engine power	708 kW / 950 HP / 963 PS
Operating weight, CE*	58.050 kg



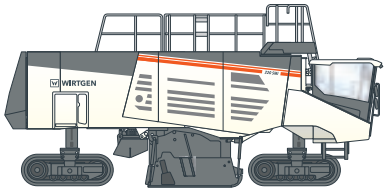
280 SM	
Cutting width	2.750 mm
Cutting depth	0 – 650 mm
Engine power	783 kW / 1.050 HP / 1.065 PS
Operating weight, CE*	116.110 kg



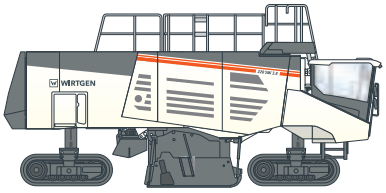
4200 SM	
Cutting width	4.200 mm
Cutting depth	0 – 830 mm
Engine power	1.194 kW / 1.600 HP / 1.623 PS
Operating weight, CE*	204.300 kg

* Machine weight, half the weight of all operating agents, tools, machine operator, excluding optional equipment

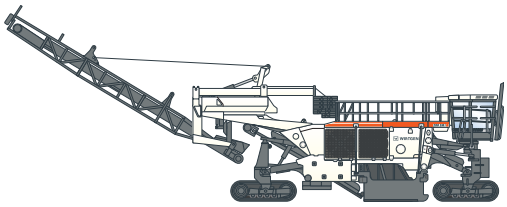
Machines compliant with EU Stage 5 / US EPA Tier 4f exhaust emission standards



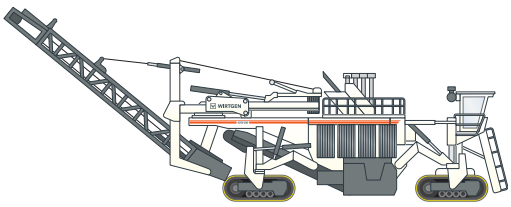
220 SMi	
Cutting width	2.200 mm
Cutting depth	0 – 350 mm
Engine power	708 kW / 950 HP / 963 PS
Operating weight, CE*	54.000 kg



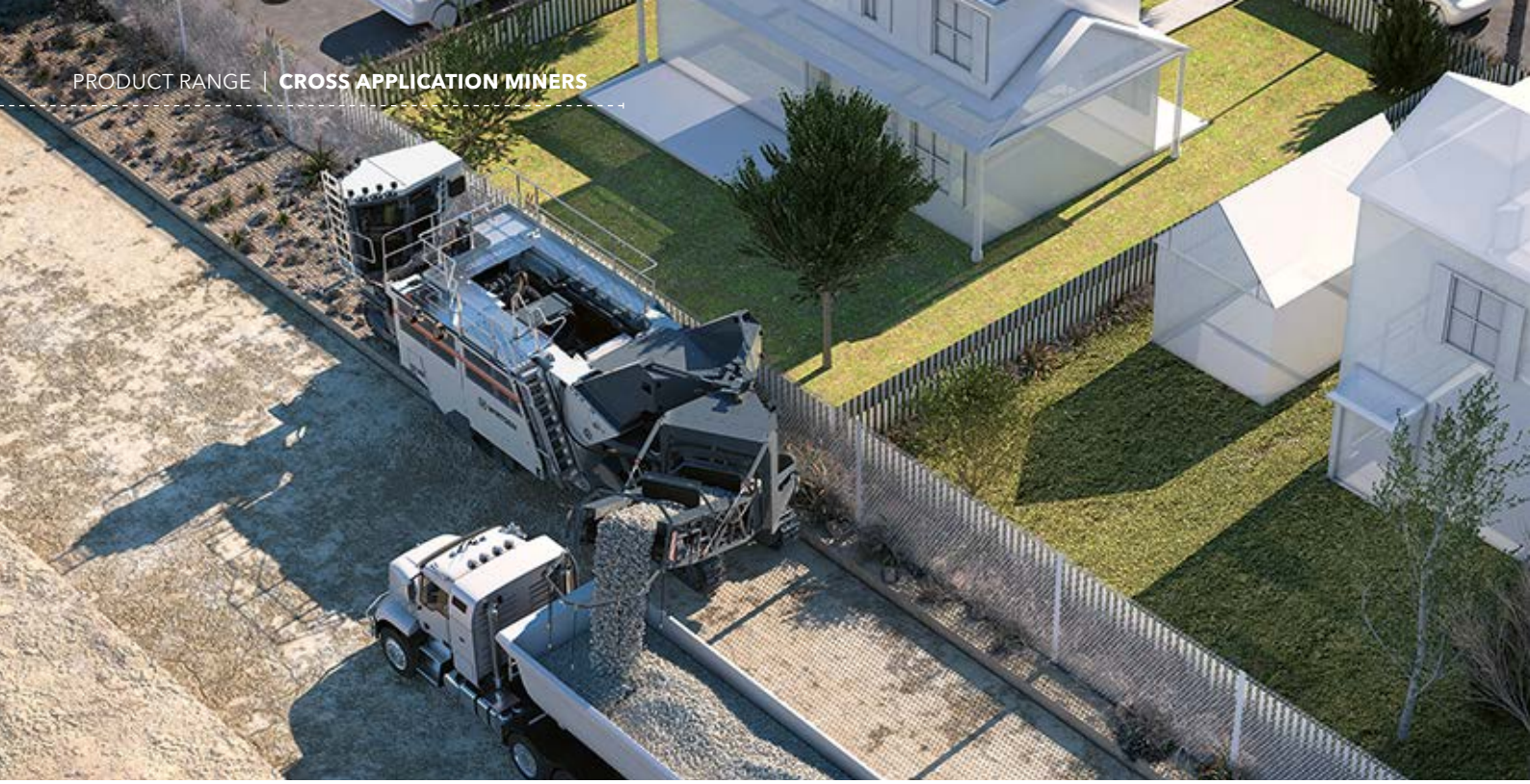
220 SMi 3.8	
Cutting width	3.800 mm
Cutting depth	0 – 350 mm
Engine power	708 kW / 950 HP / 963 PS
Operating weight, CE*	59.000 kg



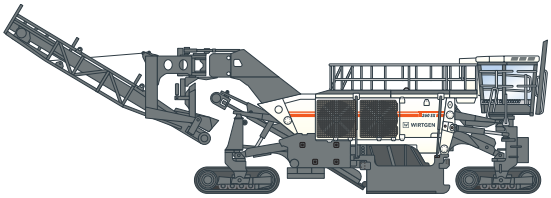
280 SMi	
Cutting width	2.750 mm
Cutting depth	0 – 650 mm
Engine power	783 kW / 1.050 HP / 1.065 PS
Operating weight, CE*	116.875 kg



4200 SMi	
Cutting width	4.200 mm
Cutting depth	0 – 830 mm
Engine power	1.194 kW / 1.600 HP / 1.623 PS
Operating weight, CE*	204.300 kg

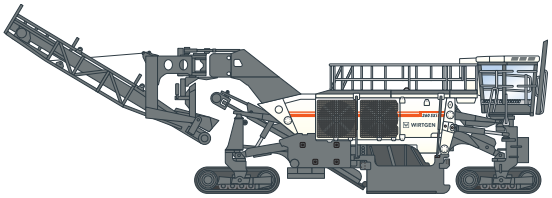


Machines not regulated in accordance with EU exhaust emission standards / US EPA Tier 2



260 SX	
Cutting width	2.750 mm
Cutting depth	0 – 650 mm
Engine power	783 kW / 1.050 HP / 1.065 PS
Operating weight, CE*	101.110 kg

Machines compliant with EU Stage 5 / US EPA Tier 4f exhaust emission standards



260 SXi	
Cutting width	2.750 mm
Cutting depth	0 – 650 mm
Engine power	783 kW / 1.050 HP / 1.065 PS
Operating weight, CE*	101.875 kg

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WIRTGEN

WIRTGEN GmbH

Reinhard-Wirtgen-Str. 2
53578 Windhagen
Germany

T: +49 2645 131-0
F: +49 2645 131-392
M: info@wirtgen.com

www.wirtgen.de

For further information, please scan the code.

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