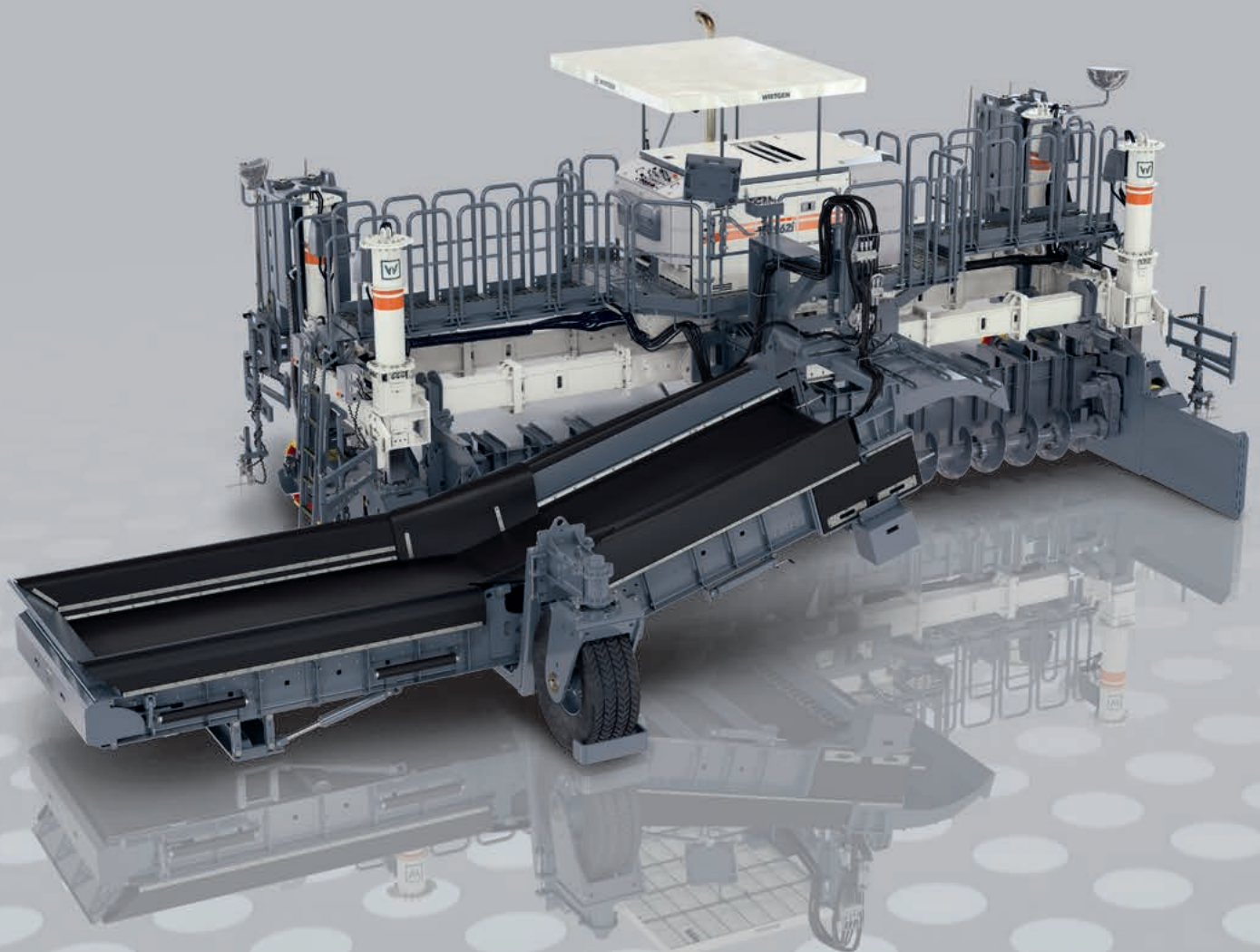


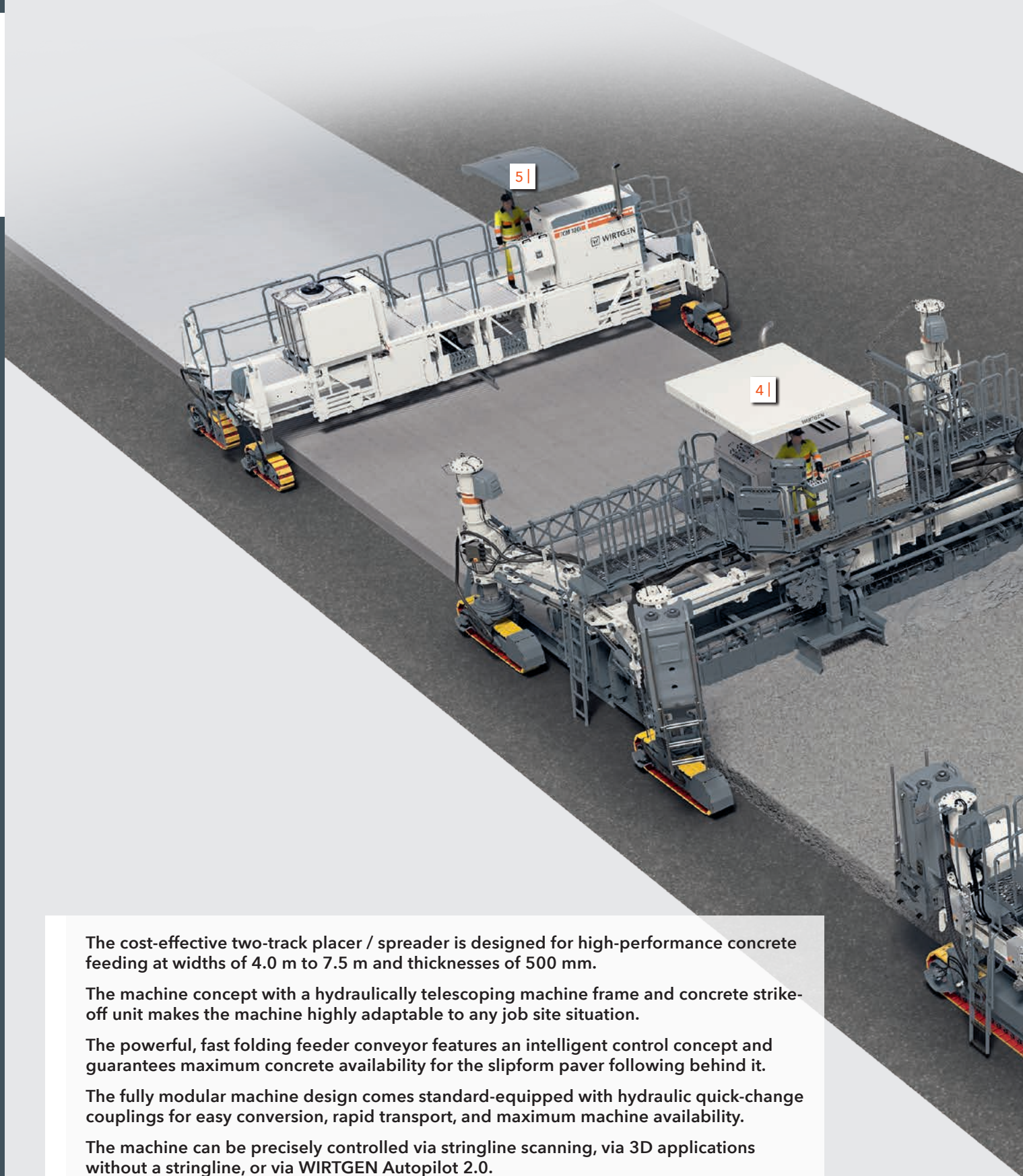
High-performance side feeding and homogeneous spreading of concrete.

## **WPS 62 / WPS 62i Placer / Spreader**



# Operating Principle of a Paving Train with the WPS 62 / WPS 62 i

02  
03



The cost-effective two-track placer / spreader is designed for high-performance concrete feeding at widths of 4.0 m to 7.5 m and thicknesses of 500 mm.

The machine concept with a hydraulically telescoping machine frame and concrete strike-off unit makes the machine highly adaptable to any job site situation.

The powerful, fast folding feeder conveyor features an intelligent control concept and guarantees maximum concrete availability for the slipform paver following behind it.

The fully modular machine design comes standard-equipped with hydraulic quick-change couplings for easy conversion, rapid transport, and maximum machine availability.

The machine can be precisely controlled via stringline scanning, via 3D applications without a stringline, or via WIRTGEN Autopilot 2.0.

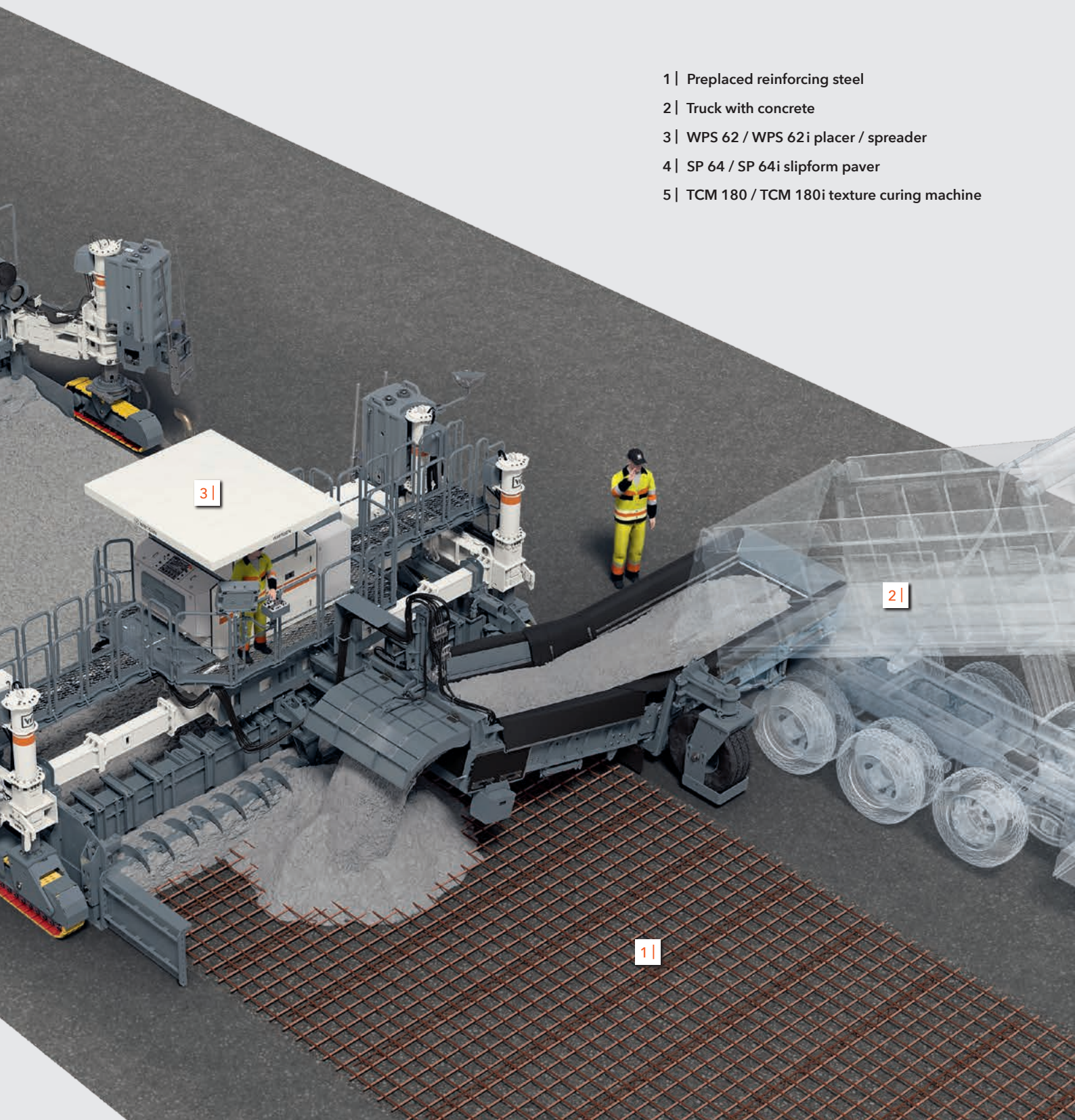


## **COST-EFFECTIVE CONCRETE PAVING WITH PREPLACED REINFORCEMENT**

When paving concrete over preplaced reinforcing steel, the concrete can often only be supplied from the side. In this case, a placer / spreader is normally used in combination with a slipform paver and a texture curing machine. A truck feeds the concrete to the plac-

er / spreader, which distributes the material evenly over the preplaced reinforcement. The slipform paver following behind then paves the concrete at the required width - while simultaneously compacting and smoothing it. To complete the process, the texture curing machine produces a defined surface structure and sprays evaporation protection onto the fresh concrete road surface.

- 1 | Preplaced reinforcing steel
- 2 | Truck with concrete
- 3 | WPS 62 / WPS 62i placer / spreader
- 4 | SP 64 / SP 64i slipform paver
- 5 | TCM 180 / TCM 180i texture curing machine





# Highlights of the Placer / Spreader at a Glance

04  
05

1 |

## INTELLIGENT MACHINE CONCEPT

- > Homogeneous spreading of large quantities of concrete fed in from the side
- > Two-track placer / spreader on the basis of the tried-and-tested SP 62 / SP 62i slipform paver
- > Fully modular machine design for paving widths from 4.0 m - 7.5 m
- > Hydraulically telescoping machine frame
- > Simple, standardized operating concept also found on the latest SP series' models
- > Perfect view of all important work areas
- > Latest engine technology with fuel-efficient engine management
- > Environmentally friendly machine operation



2 |

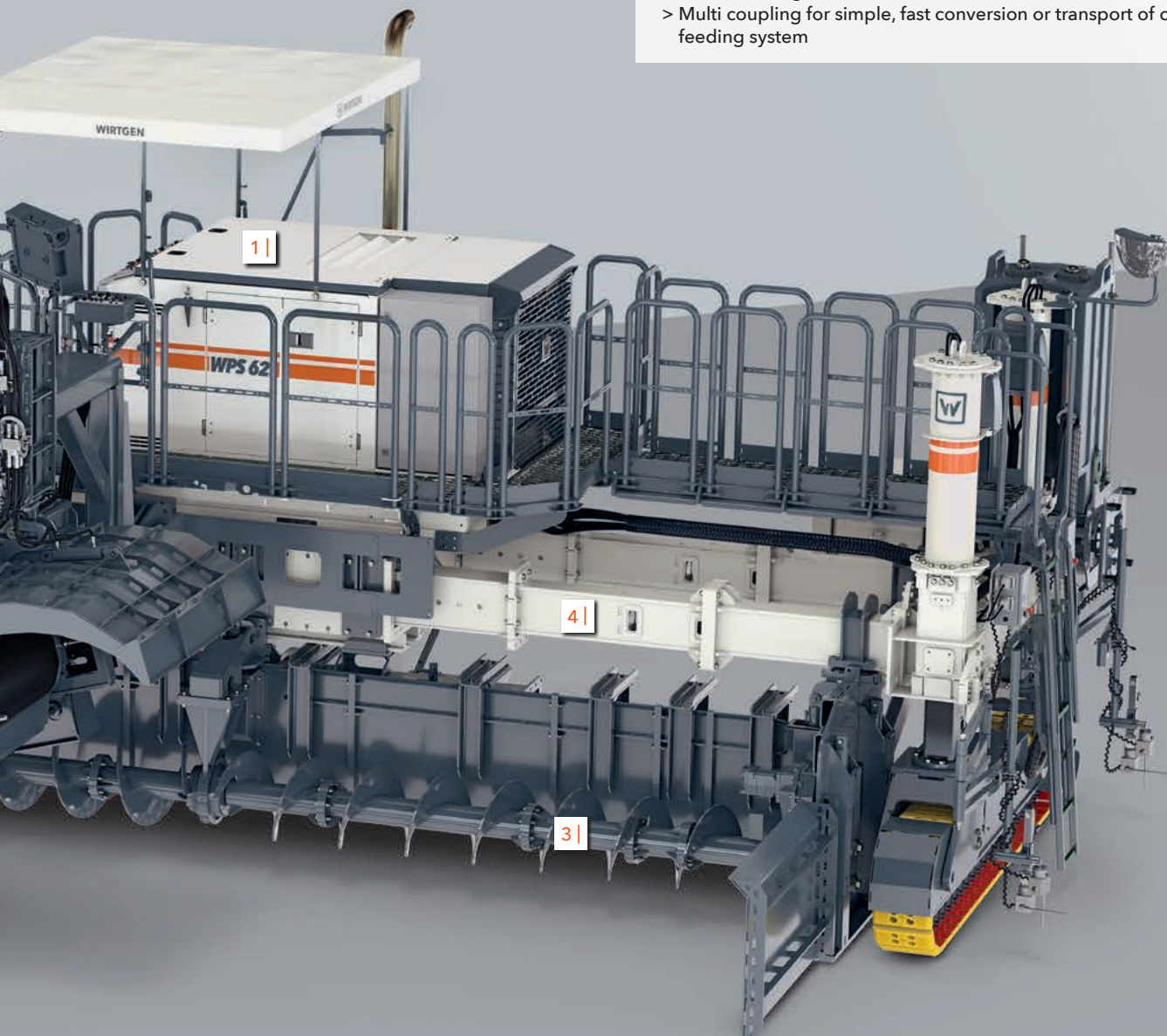
## HIGH-PERFORMANCE CONCRETE FEEDING SYSTEM

- > 1.6 m wide conveyor belt
- > High drive power for high conveyor speed of 3 m / sec
- > Feeding unit can be folded extremely fast (6 seconds max.)
- > Height of feeding unit hydraulically adjustable
- > Height and angle of discharge unit hydraulically adjustable
- > Hydraulic version of numerous concrete feeding functions equipped standard
- > Effective conveyor stripper for reliable cleaning and low wear

4 |

## SIMPLE CONVERSION AND TRANSPORT

- > Easy-to-handle components make converting the strike-off wall and spreading auger quick and easy when changing the paving width
- > Minimal adjustment of the concrete feeding system required when changing the paving width
- > No further auxiliary equipment (e.g. a crane) required when paving width changes
- > Compact transport dimensions for easy transport with standard flat bed truck
- > Quick assembly / dismantling of the concrete feeding system on the left and right side
- > Multi coupling for simple, fast conversion or transport of concrete feeding system



3 |

## HEAVY-DUTY CONCRETE UNIT

- > High-performance spreading auger for powerful concrete spreading
- > Height of side plates can be adjusted by up to 500 mm for reliable operation
- > Robust strike-off wall with self-supporting telescoping system
- > Height of strike-off wall easily adjustable
- > Cleaning position for strike-off wall
- > Height of the strike-off wall adjustable via additional remote control
- > Intelligent cylinder features
- > Concrete unit can easily be adapted to central crown paving



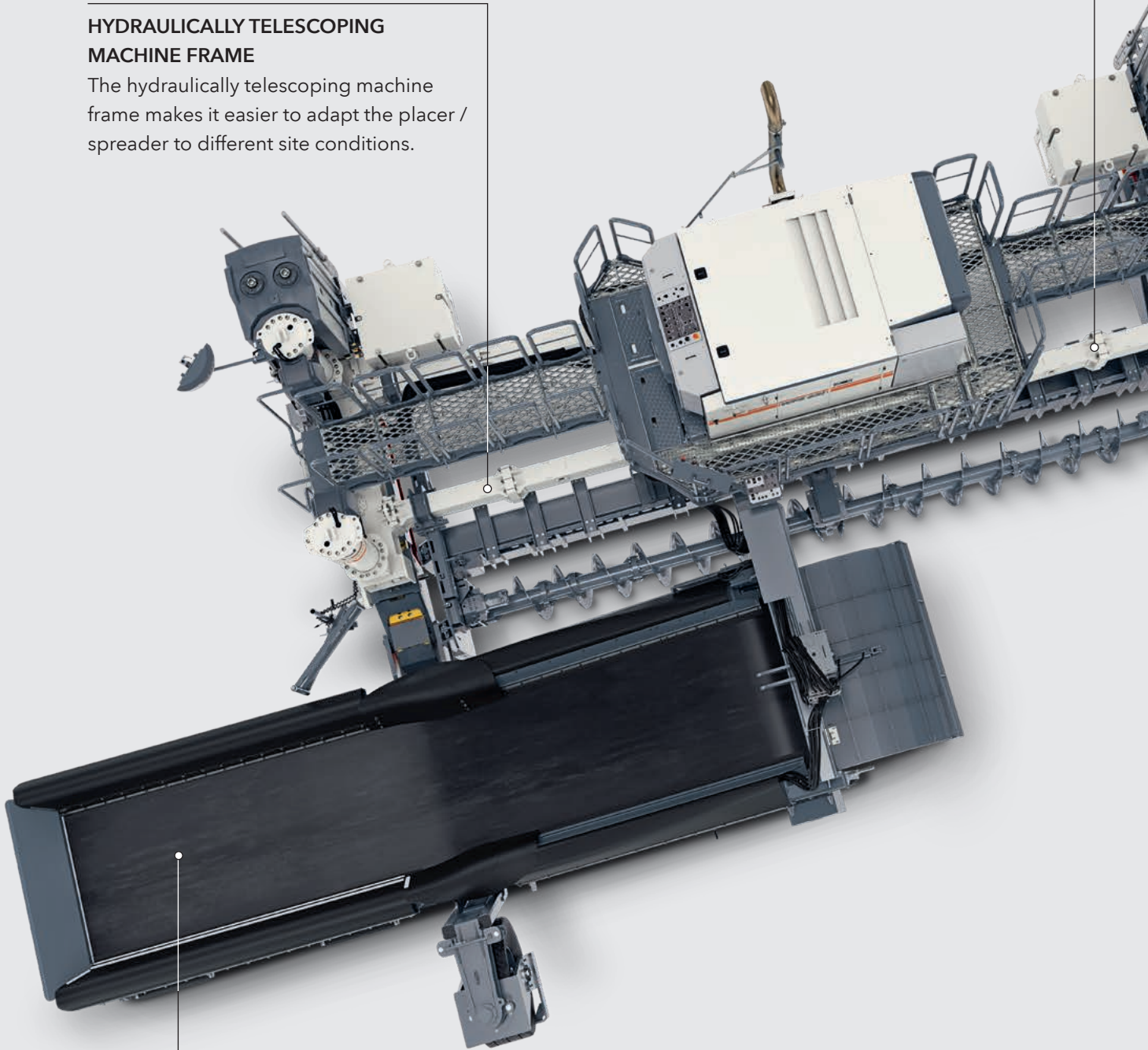
# Intelligent Machine Concept

## HYDRAULICALLY TELESCOPING MACHINE FRAME

The hydraulically telescoping machine frame makes it easier to adapt the placer / spreader to different site conditions.

## FULLY MODULAR MACHINE DESIGN

The fully modular machine design makes it easy to adapt the machine to paving widths from 4.0 m to 7.5 m.



## HOMOGENEOUS CONCRETE SPREADING

The entire machine concept of the WPS 62 / WPS 62i is geared toward distributing massive quantities of side-fed concrete evenly and flexibly for pavements up to 7.5 m wide and 500 mm thick.

## **DESIGN BASED ON FIELD-PROVEN SLIPFORM PAVER**

The new WPS 62 / WPS 62i placer / spreader is based on the field-proven and extremely reliable SP 62 / SP 62i two-track slipform paver.

## **SIMPLE, STANDARDIZED OPERATING CONCEPT**

The standardized, self-explanatory operating concept of the WPS 62 / WPS 62i mirrors that of the latest SP series' models and offers additional synergy effects.

## **PERFECT VISIBILITY**

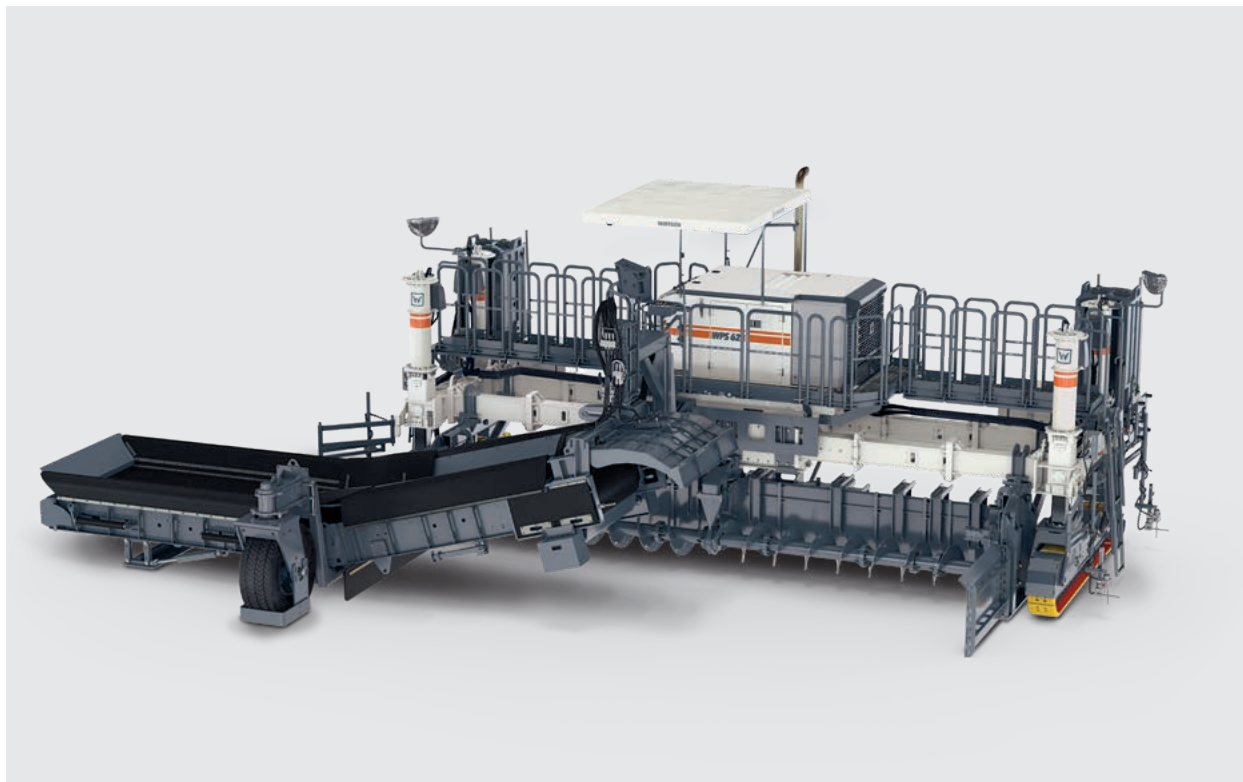
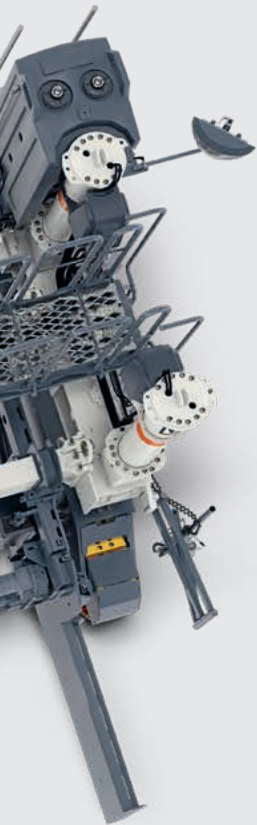
The spacious operator's platform provides a perfect view of the paving process. In addition, the ergonomically designed operator's platform increases the operator's performance.

## **COST-EFFECTIVE MACHINE OPERATION**

Automatic, demand-based engine management results in optimized engine efficiency, economical diesel consumption, and low noise emissions in the low-speed range, thereby making machine operation more environmentally friendly.

## **STATE-OF-THE-ART ENGINE TECHNOLOGY**

The WPS 62's state-of-the-art engine technology meets EU Stage 3a / US EPA Tier 3 emissions standards. The WPS 62i's state-of-the-art engine technology meets the stringent requirements of the EU Stage 5 / US EPA Tier 4f emissions standards.



*Fully modular machine design for paving widths from 4.0 m - 7.5 m.*

# High-Performance Concrete Feeding System

## HEIGHT OF FEEDING UNIT HYDRAULICALLY ADJUSTABLE

The height of the feeding unit can be adjusted variably to the required loading height of the concrete transport vehicles.

## WIDE CONVEYOR BELT


The 1.6 m wide conveyor belt is able to handle even large quantities of concrete without any difficulties or loss of material.

## INTELLIGENT BELT CONVEYOR CONCEPT

The intelligent belt conveyor concept is designed for processing enormous quantities of concrete.







#### **HYDRAULICALLY ADJUSTABLE DISCHARGE UNIT**

The height and angle of the discharge unit can be adjusted hydraulically to ensure that the concrete is distributed optimally.

#### **HIGH DRIVE POWER**

The high-performance 94 kW conveyor drive achieves a high belt speed of up to 3 m / sec and a high conveying capacity in any application.

#### **EXTREMELY FAST FOLDING PROCESS**

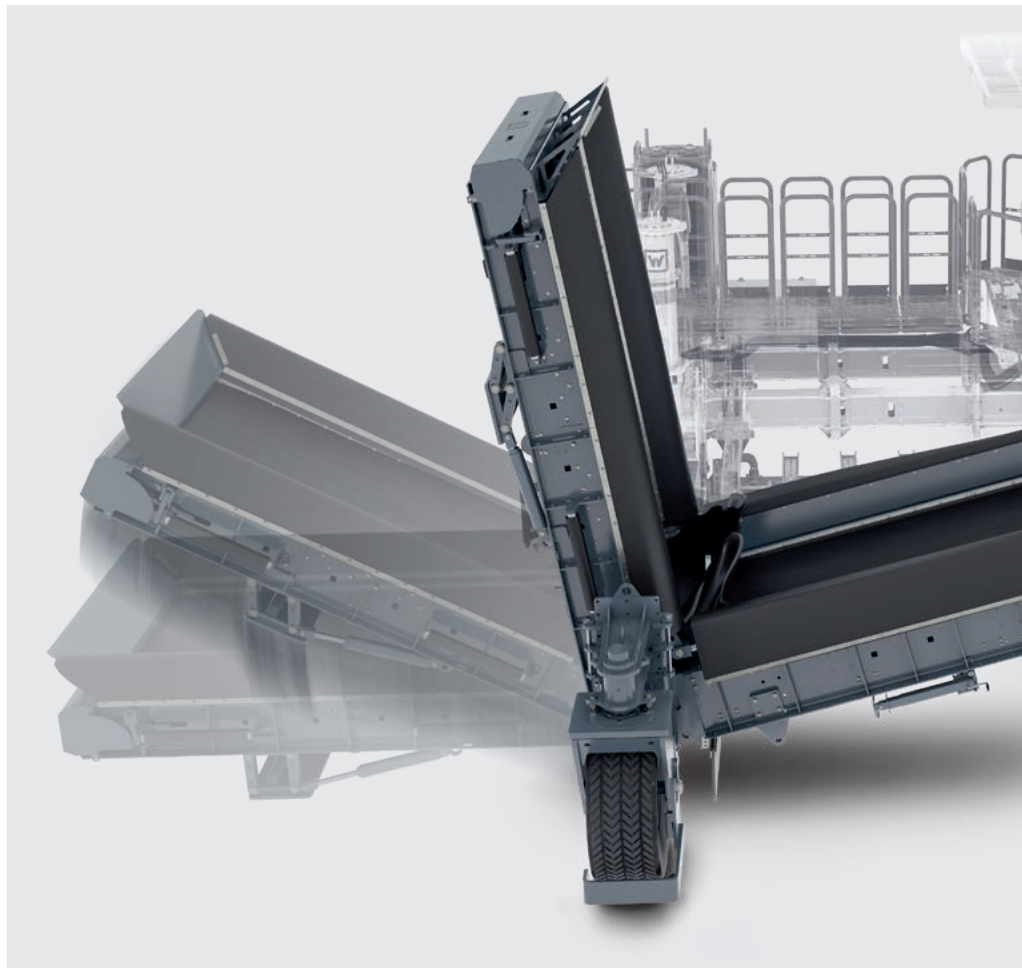
The process of folding the feeding unit only takes a maximum of 6 seconds and therefore reliably avoids unproductive downtimes waiting for concrete transport vehicles.

#### **HYDRAULIC FUNCTIONS STANDARD**

Numerous concrete feeding functions have been intelligently designed as hydraulic versions standard for fast and reliable operations.

#### **EFFECTIVE CONVEYOR STRIPPER**

The modularly positioned scraper below the discharge unit makes it possible to clean the conveyor belt reliably and to reduce wear.



*Folding the conveyor up only takes about six seconds.*

# Heavy-Duty Concrete Unit

## CENTRAL CROWN PAVING

The ability to easily adjust all the necessary components also allows the concrete to be fed from the side to produce concrete surfaces with a central crown.

## INTELLIGENT CYLINDER FEATURES

Intelligent, heavy-duty displacement sensors in the hydraulic cylinders directly process the measured values for easy operation.

## HIGH-PERFORMANCE SPREADING AUGER

The spreading auger, which is divided in the middle and equipped with heavy-duty plating, in combination with the powerful drive ensures that even large quantities of concrete are spread homogeneously.



#### **HEIGHT-ADJUSTABLE SIDE PLATES**

The height of the side plates can be adjusted by up to 500 mm for reliable operation in any application, and offer additional lifting reserves for optimum cleaning of the unit.

#### **HEAVY-DUTY STRIKE-OFF WALL**

The strike-off wall's width segments, which can be exchanged modularly, are additionally stabilized by the telescope positioned directly behind them.

#### **HEIGHT-ADJUSTABLE STRIKE-OFF WALL**

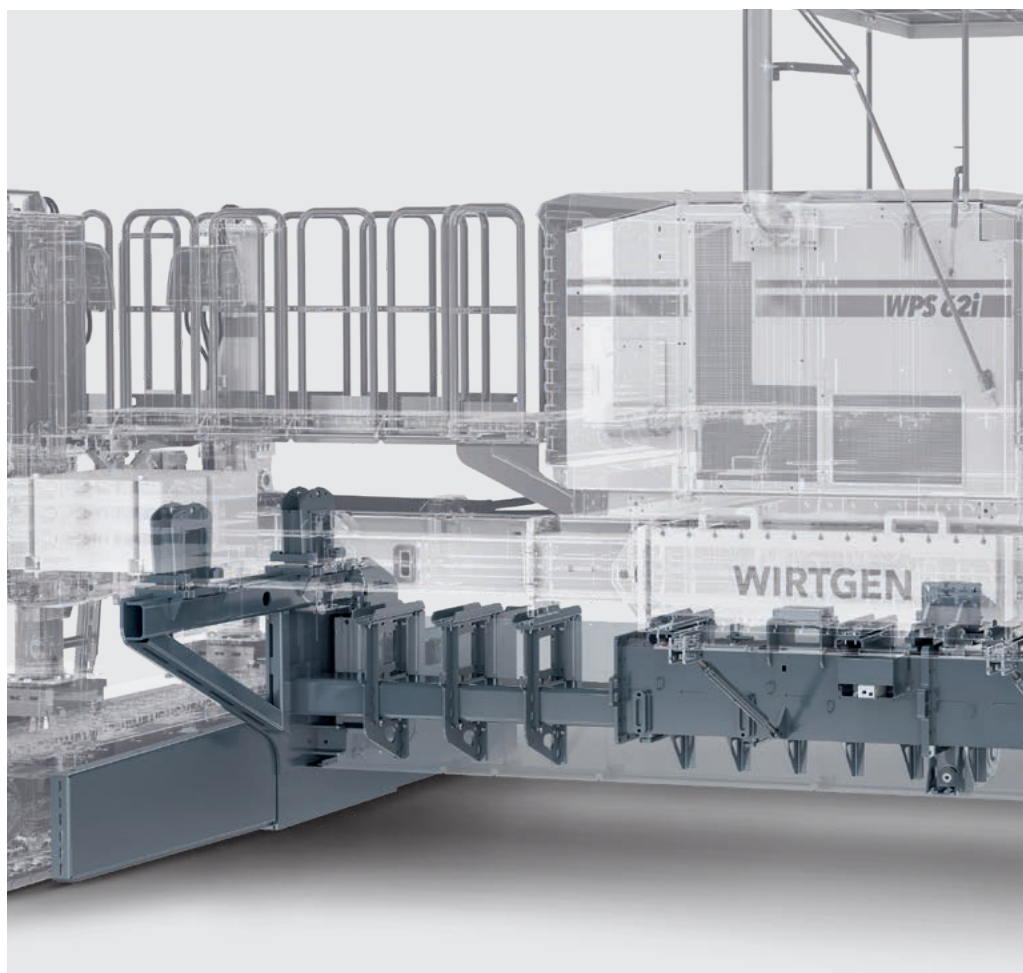
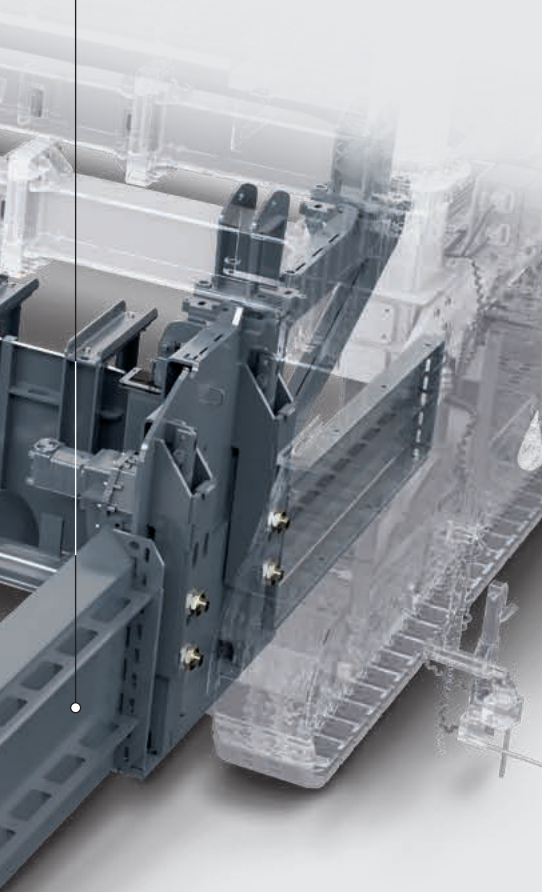
The strike-off wall can be conveniently adjusted to the desired concrete paving height at the touch of a button.

#### **CLEANING POSITION FOR STRIKE-OFF WALL**

Thanks to the particularly deep cleaning position, the adjustable strike-off wall can be easily and efficiently freed of any concrete adhering to it at the end of the shift.

#### **REMOTE CONTROL FOR STRIKE-OFF WALL**

An additional remote control allows the operator to automatically adjust the height of the strike-off wall from any position.



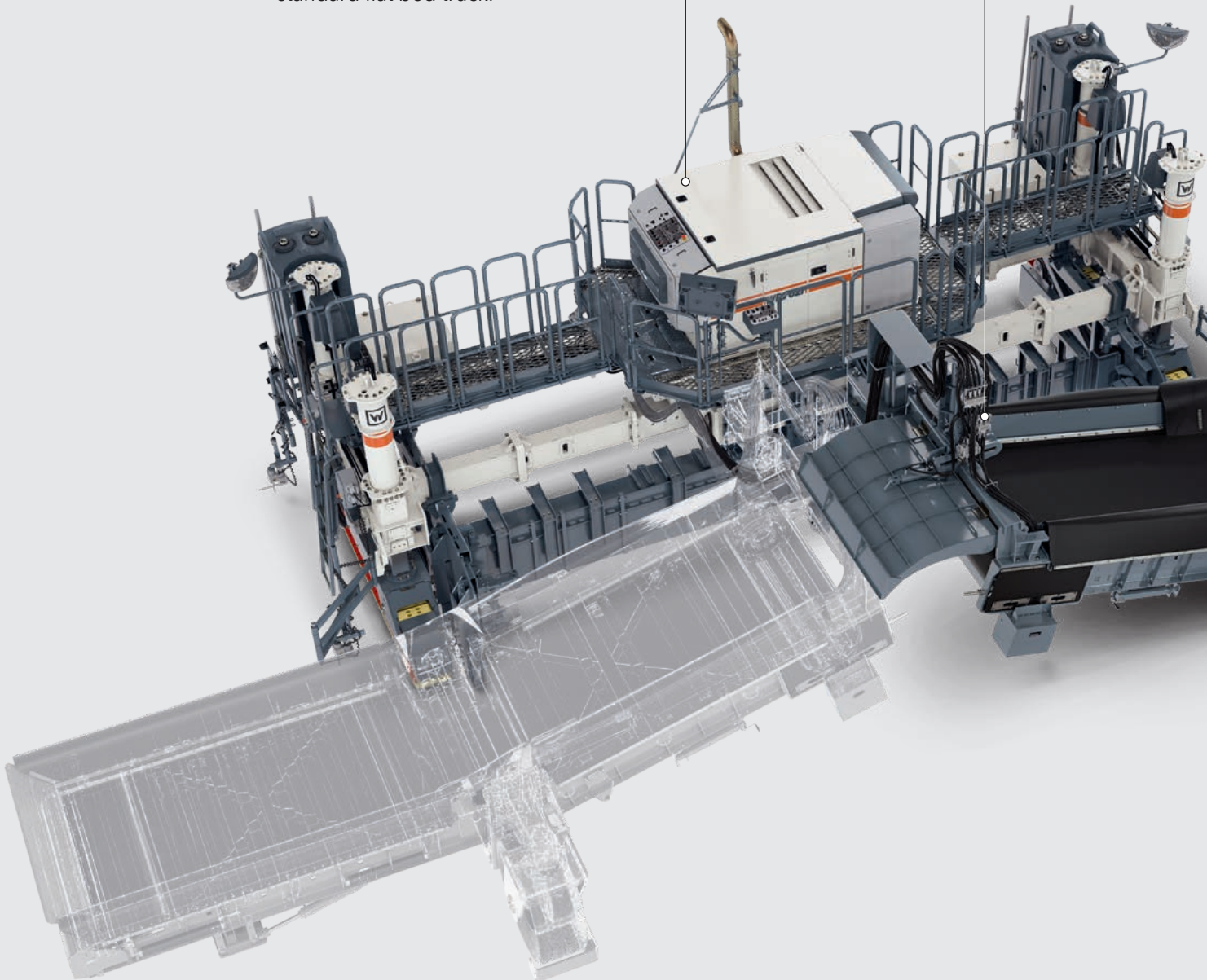
*Modularly designed strike-off wall with telescope.*

# Simple Conversion and Transport

12  
13

## EASY TRANSPORT

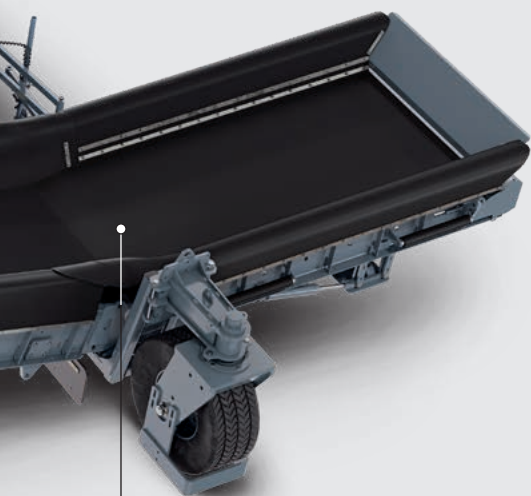
The machine's compact transport dimensions make it easy to transport using a standard flat bed truck.





### CONCRETE FEEDING SYSTEM WITH MULTI COUPLING

The innovative, two-part multi coupling ensures that the hydraulic connections can be quickly and easily connected when mounting / removing / transporting the concrete feeding system.



### CONCRETE FEEDING FROM THE RIGHT OR LEFT

Depending on site conditions, the concrete feeding system can easily be mounted on the right or left side of the machine.

### SIMPLE CONVERSION OF STRIKE-OFF WALL AND SPREADING AUGER

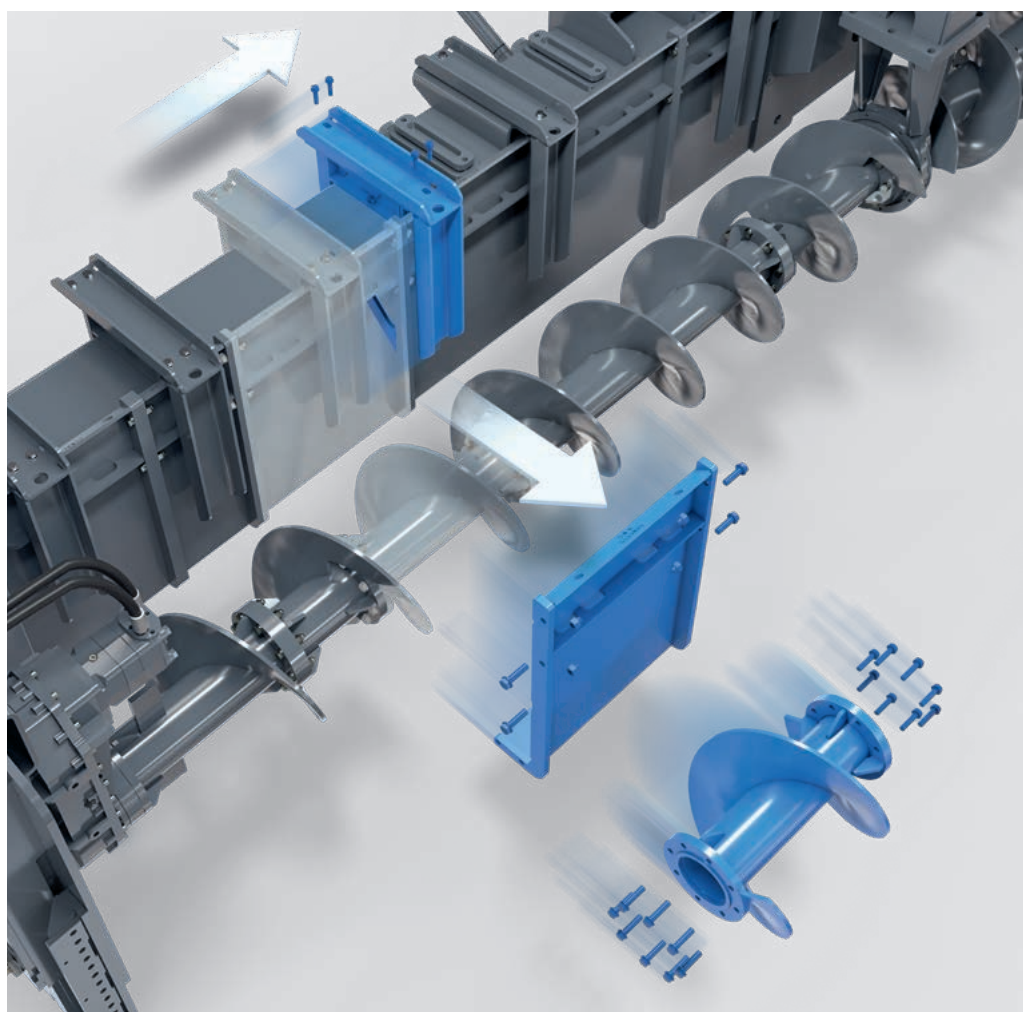
Individual segments of the strike-off wall and spreading auger can be attached / removed in just a few simple steps.

### LOADING RAMPS FOR EASY AND FAST TRANSPORTATION

Optionally available loading ramps make it easier to load the machine onto the transport vehicle and speed up the loading process. The height of the ramps can be easily adjusted, allowing them to be adapted to a variety of transport vehicles.

### MACHINE CONVERSION WITHOUT AUXILIARY EQUIPMENT

The placer / spreader's user-friendly design makes it possible to change the paving width without any special, high-cost auxiliary equipment (like a crane). As a result, two people need less than an hour to change the paving width by 0.5 m.



*The working width can be easily adjusted by removing individual segments.*

# Technical Specifications

## WPS 62 | WPS 62i

14  
15

	WPS 62	WPS 62i
Area of Application		
Road surfacing	Paving width: 4.00 – 7.50 m * <sup>1</sup> Paving height: up to 500 mm * <sup>1</sup>	
Strike-off Unit		
Spreading auger	Two-piece, modularly extendable up to 7.50 m	
Strike-off wall	Modularly extendable up to 7.50 m	
Intelligent height adjustment	200 mm	
Crown	± 3%	
Concrete Feeding System		
Belt conveyor drive power	94 kW	
Belt conveyor speed	0 – 3 m / s	
Conveyor belt width	1,600 mm	
Belt conveyor folding process	5 sec.	
Engine		
Engine manufacturer	Deutz	Deutz
Type	TCD 2012 L6 2V	TCD 6.1 L6
Cooling	Water	Water
Number of cylinders	6	6
Rated power at 2,300 rpm	155 kW / 208 HP / 211 PS	180 kW / 241 HP / 245 PS
Displacement	6,057 cm <sup>3</sup>	6,057 cm <sup>3</sup>
Fuel consumption, full load   <sup>2</sup> / <sub>3</sub> load	42 l / h   17 l / h	46 l / h   18 l / h
Sound power level in accordance with EN 500-6, engine   operator's platform	≤ 102 dB(A)   ≥ 80 dB(A)	≤ 102 dB(A)   ≥ 80 dB(A)
Emissions standards	EU Stage 3a / US EPA Tier 3	EU Stage 5 / US EPA Tier 4f
Electrical System		
Power supply	24 V DC	



	WPS 62	WPS 62i
Tank Capacities		
Fuel	400 l	400 l
AdBlue®/DEF *2	-	32 l
Hydraulic oil	200 l	200 l
Water	550 l + 550 l	
Driving Performance		
Advance speed while paving	0 - 10 m / min	
Speed in driving gear	0 - 18 m / min	
Crawler Units		
Number	2	
Type B1: Dimensions (L x W x H)	3,390 x 300 x 660 mm	
Height Adjustment		
Hydraulic	1,100 mm	
Transport dimensions (L x W x H)		
Paving width 4.00 m	5,950 x 3,500 x 3,250 mm	
Paving width 7.50 m	9,450 x 3,500 x 3,250 mm	
Weight Specifications		
Operating weight CE *3 (at paving width of 4.00 m)	35,000 kg	
Operating weight CE *4 (at paving width of 4.00 m)	34,000 - 40,000 kg	

\*1 = Special paving widths, paving heights, and options available on request

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

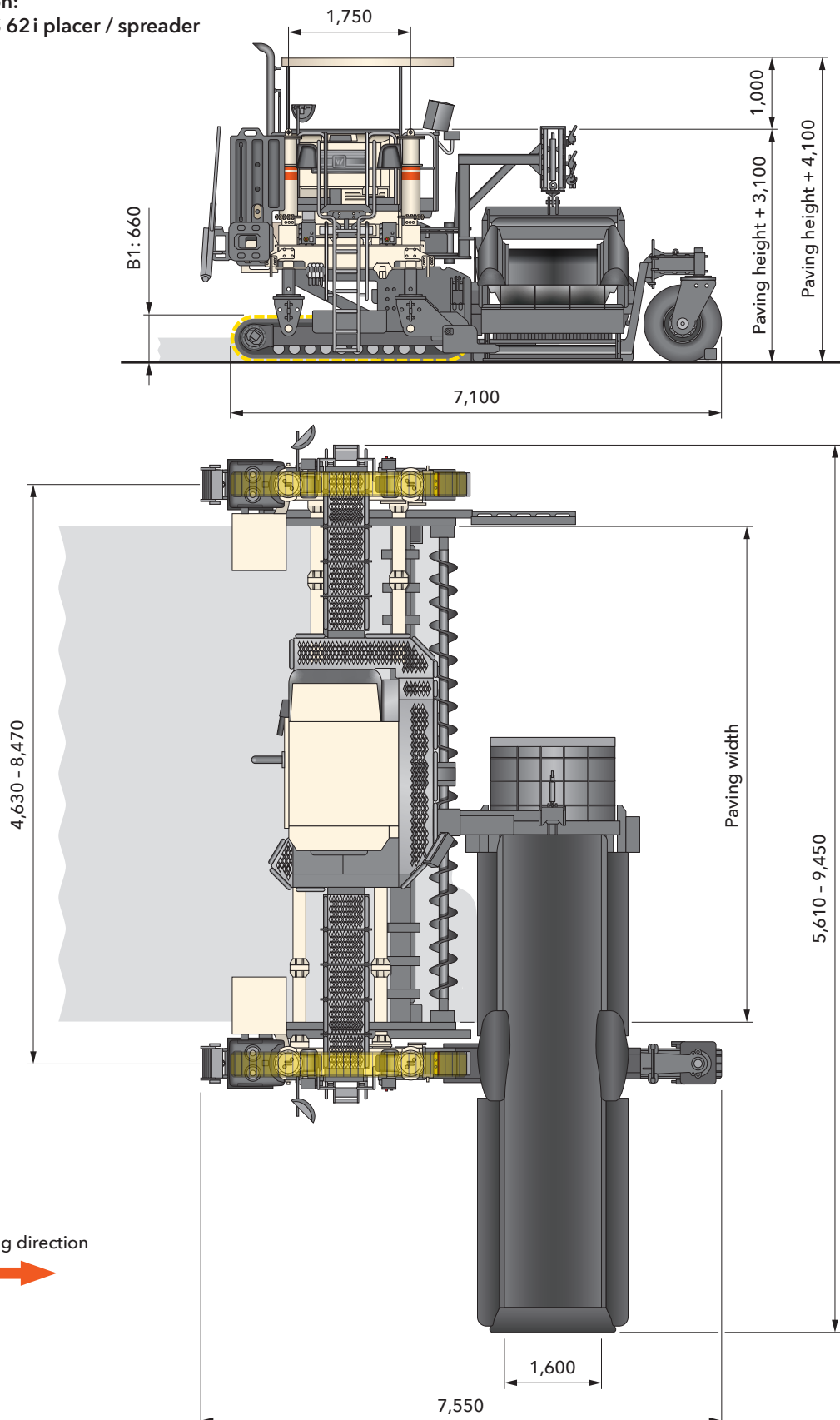
\*3 = Machine weight, half-full tanks, vehicle tool kits, machine operator (75 kg), excluding optional equipment

\*4 = Weight specifications depend on the installed equipment and paving width

# Dimensions

WPS 62 | WPS 62i

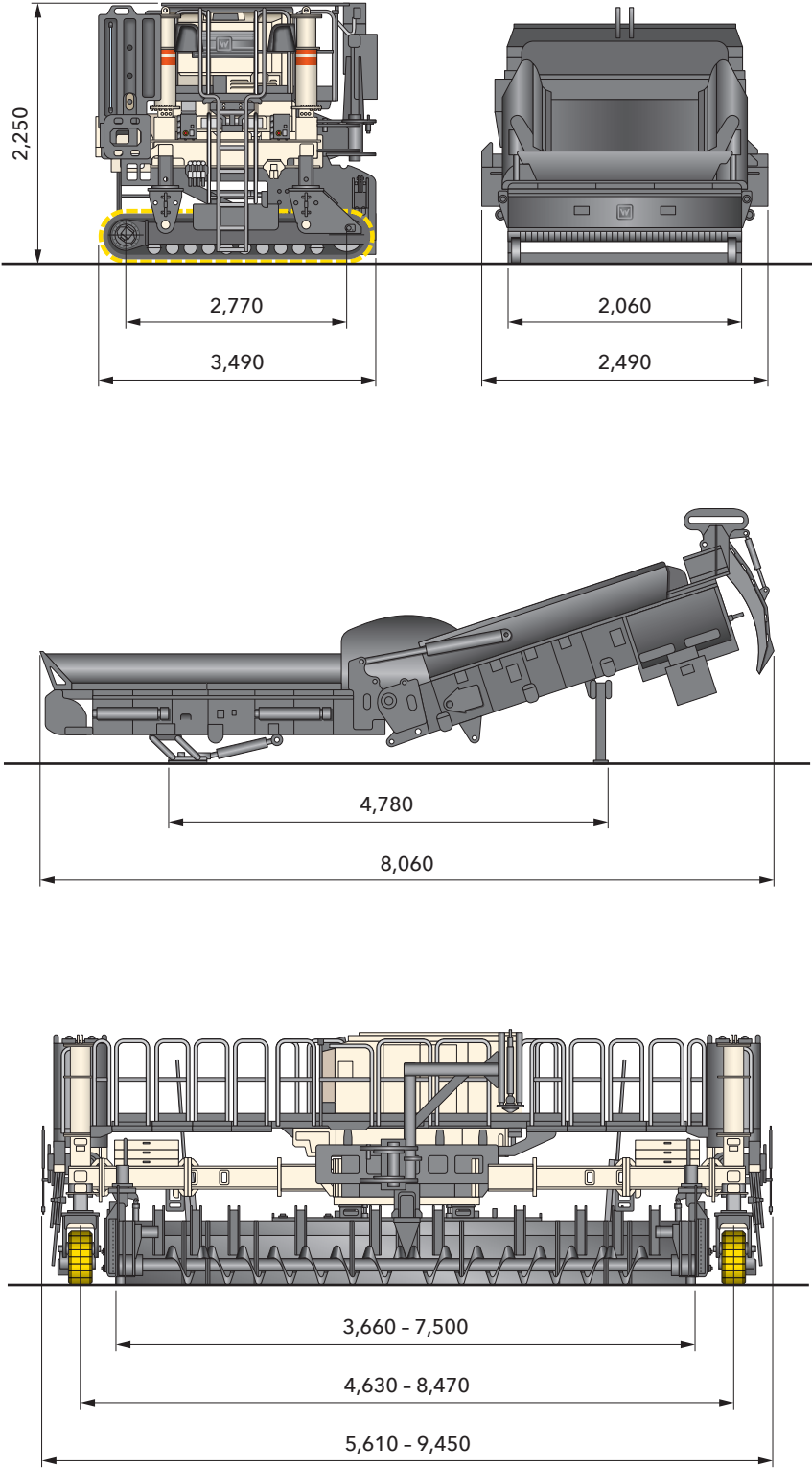
Paving situation:  
WPS 62 / WPS 62i placer / spreader



Dimensions in mm



Transport situation:  
WPS 62 / WPS 62i placer / spreader



# Standard Equipment

WPS 62 | WPS 62i

18  
19

Basic Machine	
Fuel tank 400 litres	■
Electrical system (24 V)	■
Cooling system with temperature-controlled fan speed	■
Hydraulic system including an generously dimensioned hydraulic oil tank and a pump transfer gearbox with two output shafts and the pumps required for the machine's basic equipment package	■
Main Frame and Height Adjustment	
Heavy-duty steel frame telescoping in increments by 750 mm each on both sides, can be optionally extended using fixed-width extension elements	■
The machine frame is pre-fitted with multiple mounting points for the modular addition of a variety of equipment features	■
A concrete equipment of 4.00 m can be connected to the frame; optionally extendable to working widths up to 7.50 m	■
Frame elements for mechanical telescoping in increments to working widths of up to 4.50 m	□
Crawler Units and Chassis Linkage	
Paving speed with B1 track units: 0 to 10 m / min	■
Transport speed with B1 track units: 0 to 18 m / min	■
Model with two B1 track units (10 rollers), fitted with triple-grouser steel track pads	□
Machine Control, Leveling and Steering	
WI-CONTROL – high-quality control system ensuring perfect interaction between all machine features	■
Error messages are displayed on the machine's control screen	■
The existing CAN-bus system can be expanded to customer specifications	■
ECO mode: performance-optimized engine management system for reduced diesel consumption and low noise emissions	■
Proportional electrohydraulic leveling and steering by means of a PLC system including four leveling sensors and two steering sensors	■
Sensor mounting brackets, adjustable in height and range	■
An electronic slope sensor enables paving with a working width of 4.00 m with a stringline on only one side	■
Four hydraulic leveling cylinders with a stroke of 1.10 m each	■

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



Concrete Spreading Equipment for Slab Paving	
Concrete placing unit, consisting of an auger and a height-adjustable strike-off unit, basic width 4.00 m	<input type="checkbox"/>
Powerful conveyor belt used to feed concrete from the side	<input type="checkbox"/>
Operator's Platform	
Ergonomically designed operator's platform providing a perfect view of the paving process	<input checked="" type="checkbox"/>
Three control panels with clear, language-independent labeling for ergonomic operation	<input checked="" type="checkbox"/>
Control panel 1 for machine setup according to site requirements	<input checked="" type="checkbox"/>
Control panel 2 with multifunctional control screen providing the operator with all relevant machine parameters and allowing settings to be made via a menu; the control panel can be adjusted to all directions of travel and paving configurations	<input checked="" type="checkbox"/>
Control panel 3 for controlling concrete feeding and spreading	<input checked="" type="checkbox"/>
Two control panels can be stored in the engine compartment; the third control panel can be protected against vandalism and weather by means of a lockable cover	<input checked="" type="checkbox"/>
Automatic recognition of each machine configuration provides easy orientation for the machine operator	<input checked="" type="checkbox"/>
Miscellaneous	
Large tool kit in lockable tool box	<input checked="" type="checkbox"/>
Comprehensive safety package with EMERGENCY STOP switches	<input checked="" type="checkbox"/>
Pre-fitting for installing the WITOS FleetView control unit	<input checked="" type="checkbox"/>
Filling of the machine's hydraulic system with mineral hydraulic oil	<input checked="" type="checkbox"/>
Standard painting in RAL 9001 (cream)	<input type="checkbox"/>
WITOS FleetView - professional telematics solution for machine operation and service optimization	<input type="checkbox"/>
Lighting system including 4 halogen working lights, 24 V	<input type="checkbox"/>

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

# Optional Equipment

WPS 62 | WPS 62i

20  
21

Basic Machine	
Chassis components for continuous hydraulic telescoping for working widths up to 6.25 m	<input type="checkbox"/>
Frame elements for continuous hydraulic telescoping to working widths of up to 7.50 m, including extension elements	<input type="checkbox"/>
Concrete Spreading Equipment for Slab Paving	
Extension for concrete placing unit 0.25 m on the left - spreading auger and strike-off wall	<input type="checkbox"/>
Extension for concrete placing unit 0.50 m on the left - spreading auger and strike-off wall	<input type="checkbox"/>
Extension for concrete placing unit 0.75 m on the left - spreading auger and strike-off wall	<input type="checkbox"/>
Extension for concrete placing unit 1.00 m on the left - spreading auger and strike-off wall	<input type="checkbox"/>
Extension for concrete placing unit 0.25 m on the right - spreading auger and strike-off wall	<input type="checkbox"/>
Extension for concrete placing unit 0.50 m on the right - spreading auger and strike-off wall	<input type="checkbox"/>
Extension for concrete placing unit 0.75 m on the right - spreading auger and strike-off wall	<input type="checkbox"/>
Extension for concrete placing unit 1.00 m on the right - spreading auger and strike-off wall	<input type="checkbox"/>
Crawler Units and Chassis Linkage	
Model with two B1 track units (10 rollers), fitted with polyurethane track pads	<input type="checkbox"/>

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

Machine Control, Leveling and Steering	
Cross-slope sensor	<input type="checkbox"/>
Two slab tracers	<input type="checkbox"/>
Four slab tracers	<input type="checkbox"/>
Control unit for manual track unit steering	<input type="checkbox"/>
Pre-fitting for 3D leveling	<input type="checkbox"/>
Additional slope sensors for 3D leveling	<input type="checkbox"/>
AutoPilot 2.0 (868 - 870 MHz) with Field Rover	<input type="checkbox"/>
Laser transmitter for AutoPilot 2.0 including stand	<input type="checkbox"/>
Laser receiver for AutoPilot 2.0	<input type="checkbox"/>
Ultrasonic sensor for AutoPilot 2.0	<input type="checkbox"/>
Additional tablet computer with case for AutoPilot 2.0	<input type="checkbox"/>
Total station Leica iCON iCR80s for AutoPilot 2.0, 868 - 870 MHz	<input type="checkbox"/>
Total station Leica iCON iCR80s for AutoPilot 2.0, 902 - 928 MHz	<input type="checkbox"/>

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



# Optional Equipment

WPS 62 | WPS 62i

22  
23

Operator's Platform	
Weather canopy for operator's platform with manual fold-down feature	<input type="checkbox"/>
Extension of walkway allowing the operator to pass from one side of the machine to the other for working widths of up to 6.00 m	<input type="checkbox"/>
Extension of walkway allowing the operator to pass from one side of the machine to the other for working widths of up to 7.50 m	<input type="checkbox"/>
Miscellaneous	
Painting in one special color (RAL)	<input type="checkbox"/>
Painting in two special colors (RAL)	<input type="checkbox"/>
Model without WITOS FleetView	<input type="checkbox"/>
High-performance lighting system including 8 LED working lights, 24 V	<input type="checkbox"/>
Hydraulic high-pressure water cleaning system with 550-l plastic tank (for model with two track units)	<input type="checkbox"/>
Two hydraulic high-pressure water cleaning systems with two 550 l plastic tanks	<input type="checkbox"/>
Additional plastic water tank, 550 l	<input type="checkbox"/>
Additional electrical water pump, 24 V, with 10 m hose and spray gun with handle	<input type="checkbox"/>

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

Miscellaneous	
Self-levelling feature for transport mode	<input type="checkbox"/>
Rotating beacon, halogen 24 V, with magnetic base	<input type="checkbox"/>
Two LED floodlights including power generator (230 V)	<input type="checkbox"/>
Two LED floodlights including power generator (110 V)	<input type="checkbox"/>
High-performance lighting system including 4 LED working lights, 24 V, for illuminating the compaction compartment	<input type="checkbox"/>
Two LED floodlights 24 V	<input type="checkbox"/>
Training for AutoPilot 2.0 - Price on demand	<input type="checkbox"/>
Stringline tensioning system, complete with 1,000 m steel wire rope	<input type="checkbox"/>
Additional tensioning winch for stringline tensioning system	<input type="checkbox"/>
Stringline tensioning system, complete with 4 x 300 m nylon rope	<input type="checkbox"/>
Machine commissioning (day rate)	<input type="checkbox"/>
Export packaging	<input type="checkbox"/>

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



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