

Versatile, High-Quality Paving of Monolithic Profiles

# SLIPFORM PAVER SP 15 (i)



# VERSATILE, HIGH-QUALITY PAVING OF MONOLITHIC PROFILES



The compact slipform paver paves a wide range of monolithic profiles up to 1.3 m high.

It can be used to easily pave concrete surfaces up to 2.2 m wide (cannot be combined with all options).

The slipform paver is ideal for construction sites where a high degree of manoeuvrability, tight curves and maximum flexibility are required.

The two crawler units with parallelogram pivot arms at the front and a sliding crawler unit at the rear enable a zero-clearance installation and maximum flexibility.

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

## WIRTGEN SLIPFORM PAVERS

### OFFSET SLIPFORM PAVERS

- > Offset paving width up to 4.0 m<sup>1)</sup>
- > Offset paving height up to 3.0 m<sup>1)</sup>

### PLACER / SPREADERS

- > Inset paving width up to 12.0 m<sup>1)</sup>
- > Inset layer thickness up to 500 mm<sup>1)</sup>

### INSET SLIPFORM PAVERS

- > Inset paving width up to 16.0 m<sup>1)</sup>
- > Inset paving height up to 450 mm<sup>1)</sup>

### TEXTURE CURING MACHINES

- > Working width up to 18.0 m
- > Working height up to 500 mm

<sup>1)</sup> Special paving widths, paving thicknesses, paving heights, and other options available on request

# OVERVIEW OF HIGHLIGHTS

Perfectly equipped

## 01 Highly Flexible Offset Concrete Equipment

Wide range of options for adjusting the concrete feeding system. Flexible positioning of the offset mold to the left or right as well as close to or further away from the machine frame. Various monolithic offset profiles available for a wide range of applications.

## 02 High-Quality Machine Control System

High-quality machine control system for maximum operational safety, precise machine functionality, and automatic recognition of configuration and operating modes.

## 03 Field-Proven Steering and Drive System

Adaptive, electronic steering and control system for precise handling and high-precision concrete paving.

## 04 Economical Diesel Engine Management

Demand-based engine management for economical diesel consumption and minimal emissions.

## 05 AutoPilot 2.0 - Economic Machine Control Without Stringlines

Economic machine control system developed by WIRTGEN for precise concrete paving without the need for stringlines.



**06 Future-Proof 3D Interface**

Certified standard interface for reliable communication with common 3D systems.

**07 Best-In-Class Slope Control**

One-of-a-kind electronic slope control system developed in-house for perfect paving results.

**08 Modular Convertibility**

Variable positioning of the mold and crawler units for high machine utilization.

**09 Easy Operation**

Ergonomically designed operator's platform with self-explanatory operating concept for productive work.

**10 Sophisticated Transport Concept**

Compact machine dimensions for easy transport.



# AN UNBEATABLE PACKAGE

## A Wide Range of Offset Applications

As a multifunctional machine for offset concrete paving, the SP 15(i) can hold its own in any comparison. It is perfect for both the production of monolithic profiles up to 1.3 m in height as well as for paving surfaces up to 1.8 m in width. The slipform paver owes its wide range of applications to the highly flexible positioning of the mold and crawler units – offset molds for a wide variety of profiles can be mounted either on the left or right side of the machine.

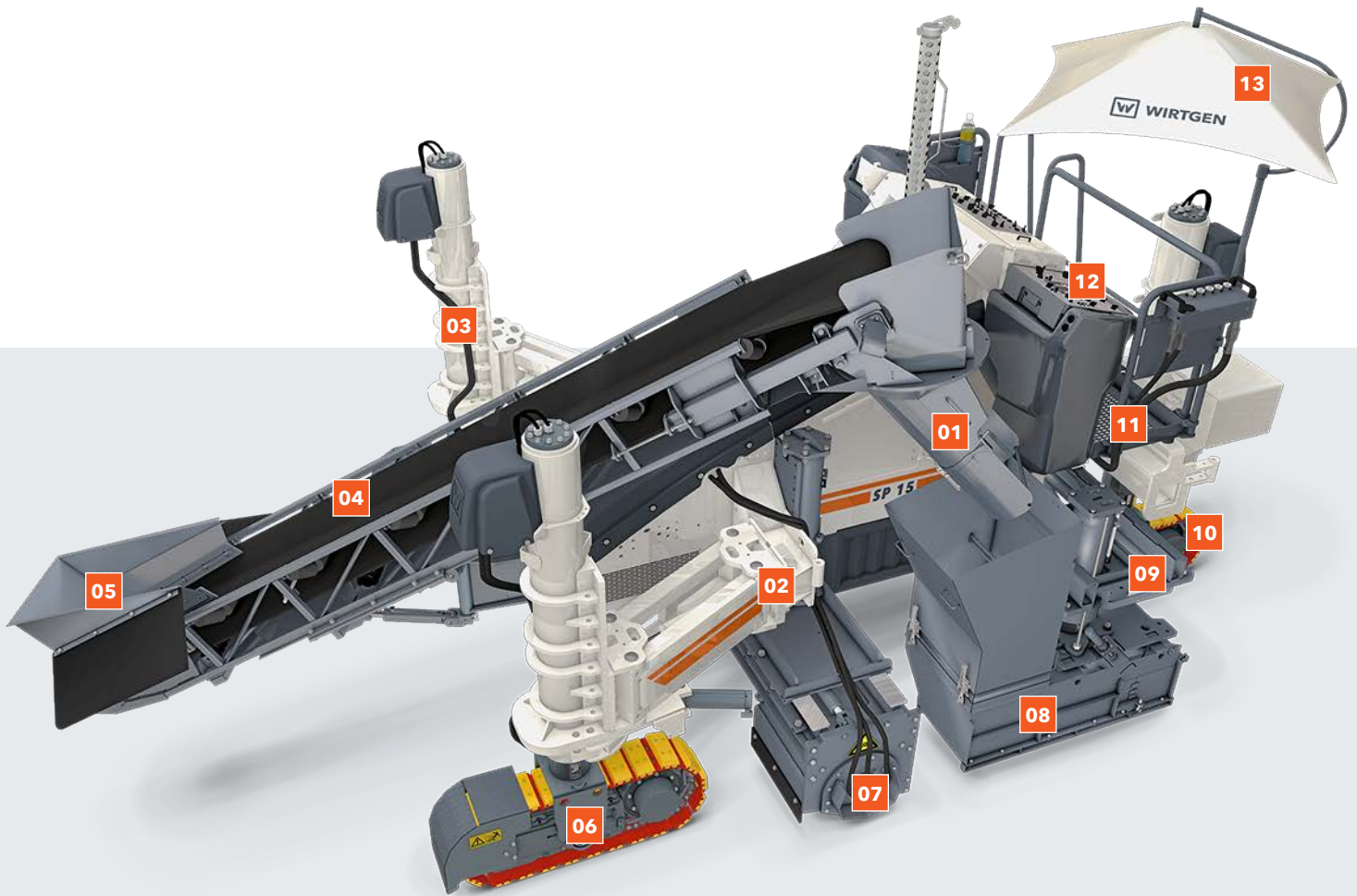
Options such as a trimmer, concrete feeding via belt or auger conveyor, and electric or hydraulic vibrators increase the machine's flexibility. This wealth of configuration options allows the SP 15(i) to be optimally adapted to the respective job site conditions and significantly increases productivity.

The SP 15(i) has a compact design and stands out in day-to-day job site operations due to its exceptional robustness, extreme maneuverability, and simple operating concept.

The intelligent, electronic steering and control technology ensures that the machine strictly adheres to the respective requirements.

- 01** Paving a shoulder strip on a slope.
- 02** Paving curves to the exact millimeter is an easy task with the SP 15 (i).





- 01** Flexible chute made of either steel or rubber
- 02** Swing arms for tailoring the crawler units to job site conditions
- 03** Lifting column with hydraulic cylinder for crawler unit height adjustment
- 04** Versatilely adjustable concrete feeding system, optionally available as a belt or auger conveyor
- 05** Receiving hopper for delivered concrete
- 06** Hydraulically powered, separately steerable and height-adjustable crawler units

- 07** Height-adjustable and laterally telescoping trimmer
- 08** Offset mold, can be mounted to the left and right side of the machine, telescopic on both sides
- 09** Quick-change system for curb/gutter profiles
- 10** Laterally telescoping rear crawler unit
- 11** Full-width operator's platform with a good view of all essential parts of the machine and of the job site
- 12** Clearly arranged control panel, can be positioned on the left and right
- 13** Weather canopy

# HIGH LEVEL OF MACHINE UTILIZATION THANKS TO A WIDE RANGE OF APPLICATIONS

## The SP 15 (i) in Action

The SP 15(i) can easily pave large monolithic concrete profiles of up to 1.3 m in height or up to 1.8 m in width - we can even manufacture machines for larger sizes, if required. We can also produce profiles of any desired shape, such as curbs, gutter profiles, safety barriers, drains, channels, and narrow paths. In addition, the easy-to-transport SP 15 (i) can easily complete a variety of different tasks on several job sites in a single work-day. This is because changing molds or moving the mold from one side of the machine to the other can be carried out on-site

in a very short time. On job sites with poor ground conditions, a trimmer can be added to create a smooth, even sub-base as the perfect foundation.

The ability to position the mold, crawler units, and concrete feeding system as desired greatly increases the SP 15 (i)'s range of applications. The telescoping mold mounts further enhance the machine's adaptability, as does the fact that it can be optionally equipped with additional custom features.

01







**01** Special "parapet" application for safety barriers that are extremely difficult to penetrate: both right-sided paving ... **02** ... as well as left-sided paving of concrete safety barriers with continuous reinforcement. **03** Producing footpaths and bicycle paths up to 1.8 m wide – seen here with a modularly extendable mold. **04 - 05** Production of small and large water gutters. **06** Precise production of curb / gutter profiles using AutoPilot 2.0. **07** Paving a slot drain for rainwater drainage.

# GREATER PRODUCTIVITY THROUGH STRESS-FREE OPERATION

01



**Always Where You Need It**  
Flexibly positionable Control Panel

**Never Lose Sight of What's Going On**  
Optimal all-round vision

**01** The standardized, intuitive operating concept offers additional synergy effects across the entire range of WIRTGEN pavers.

**02** The height of the convenient ladder can be adjusted manually.

**03** The control panel can be positioned on the right or left for maximum visibility.

**04** The graphic display is situated in the middle of the clearly arranged control panel.



### Familiar with the Machine in Seconds

The ergonomic design of the full-width, spacious operator's platform is the foundation of their well-being and high productivity - the SP 15(i)'s control panel can be positioned on the left or right side of the machine depending on the task at hand, thus offering an optimum view of the machine, the paving process, and the surrounding area on both sides. The control panel's graphic display provides event-driven information about all of the machine's key operational data. Thanks to clear symbols that are independent of the local language, the paver is easy to operate. Ultimately, the operator will be able to handle their SP 15(i) perfectly and work extremely effectively after only a short time.

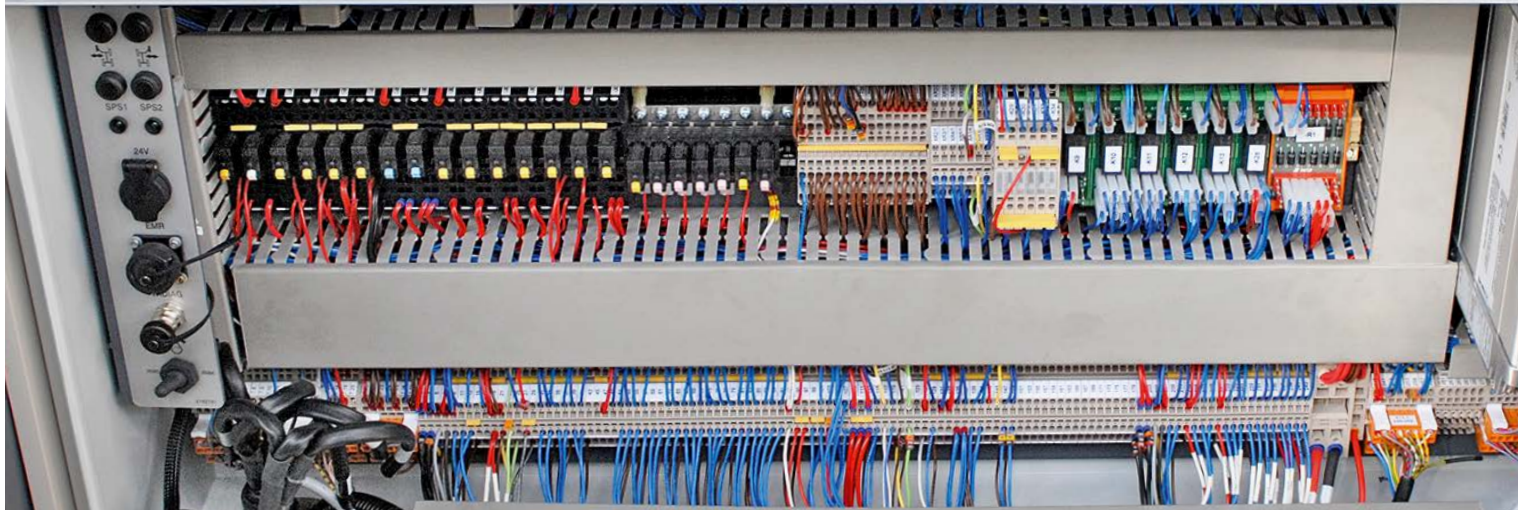
Thanks to the comprehensive lighting package, the SP 15(i) is also highly effective in the dark. The machine offers ample storage space for tools, sensors, the hydraulically operated high-pressure cleaner, etc.

# FLAWLESS OPERATION IN EVERY APPLICATION

## Software and Hardware

A high-quality machine control system is built into the SP 15(i) slipform paver. The lion's share of the software used is developed in-house, and this plays a critical role since the ongoing development of the software ensures that the machine offers the greatest degree of operational safety. Our many years of experience in software and hardware development also allows us to offer more flexible and more advanced machine functionality to cover a broader range of applications and individual customer requirements.

An efficient engine management system is integrated into the machine control system. The WIDIAG service diagnostics system, with its standardized interface, is used by WIRTGEN service technicians for rapid, accurate diagnostics on the job site. In addition, WIRTGEN's WITOS FleetView telematics system supports fleet management, position and status monitoring, as well as maintenance and diagnostic processes. In short, it makes daily operations even more efficient.



**Application-Oriented Machine Control**

In-house developed control software

**Fit for the Future**

WITOS FleetView onboard



**01** Software developed in-house guarantees maximum operational safety. **02 - 03** The high-quality machine control system ensures that the machine can travel both perfectly straight and precisely around curves. **04** Separate valves on all crawler units for high-precision control of height adjustment and steering.



# PRECISE HANDLING IN EVERY APPLICATION

## Absolute Precision

Integrated Ackermann steering

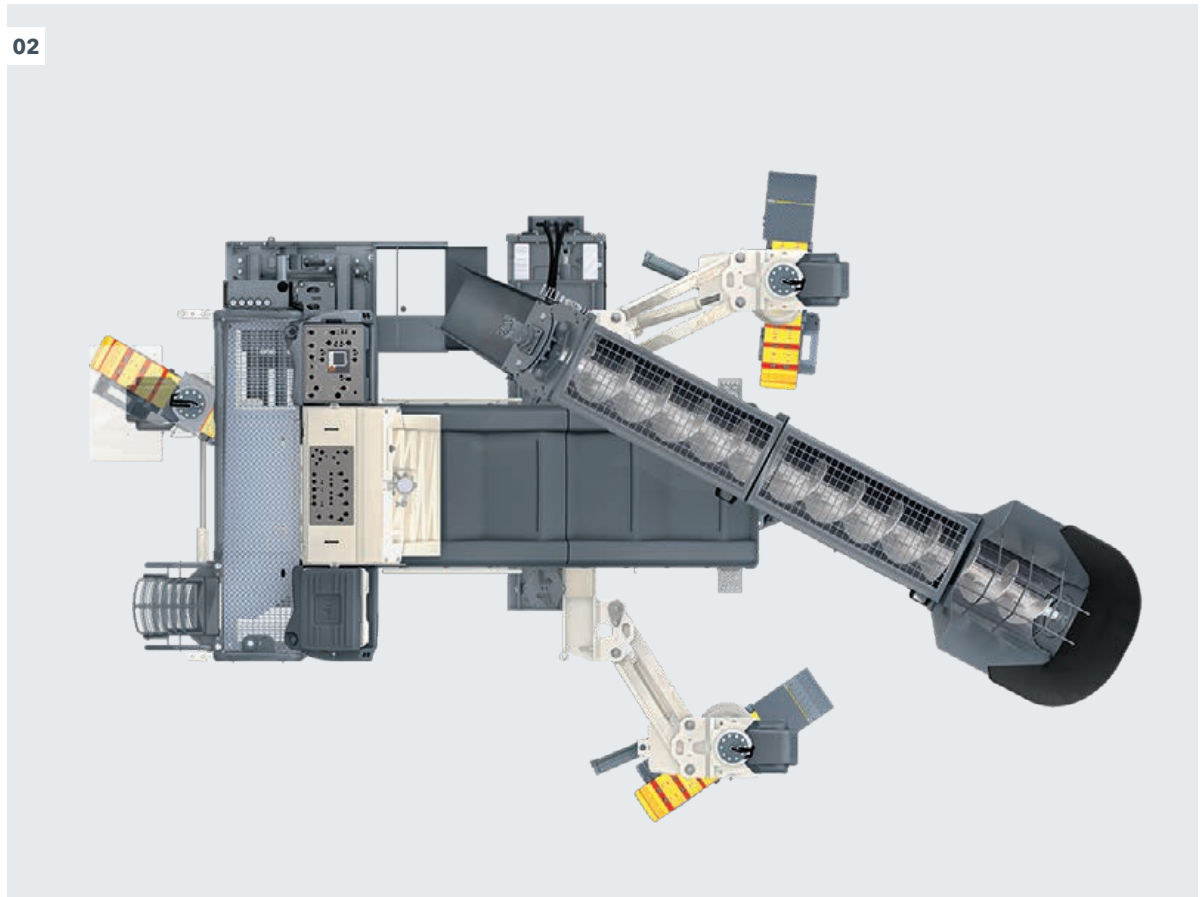
## No Problems in Corners

500-mm paving radius

01



- 01** The SP 15(i) is capable of paving within a radius of 500 mm - or even tighter - without stringlines.
- 02** Control panel with various steering modes for maneuvering.
- 03** Steering angles and speeds of the individual crawler units automatically adapted to the machine geometry.

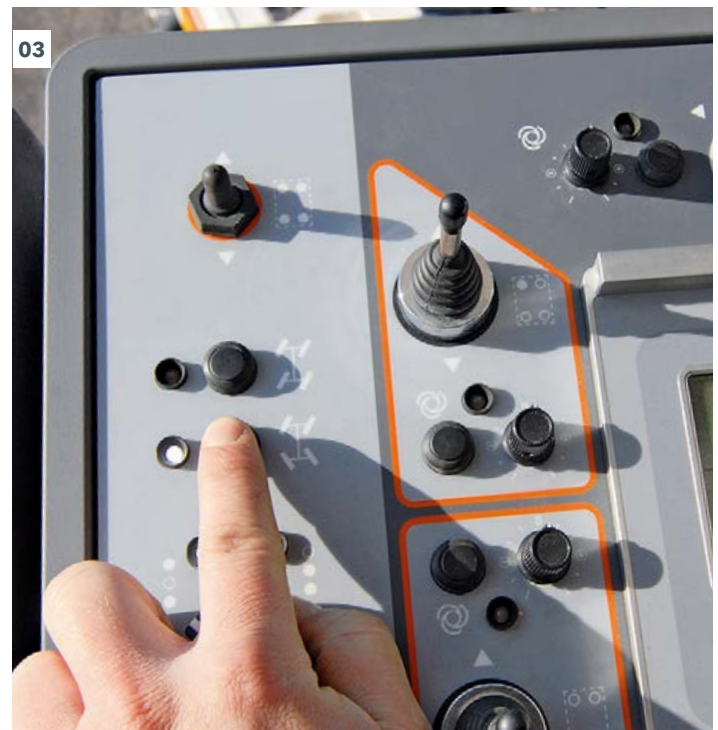


### High-Precision Concrete Paving Guaranteed

Thanks to its intelligent electronic steering and control system, the SP 15(i) meets all the requirements for precise handling and thus high-precision concrete paving. The slipform paver really shines when working along curves. In these areas, the field-proven Ackermann steering system guarantees precise handling and top concrete quality. The computer-assisted steering system varies the speed of the individual crawler units when cornering so that the SP 15(i) always follows the specified references with pinpoint accuracy. In addition, the steering angle of all the crawler units is adjusted fully automatically depending on the radius of curve and the machine's geometry - for results of unmatched quality!

The SP 15(i) is capable of producing curved profiles with a minimum radius of only 500 mm. The high-precision control of the advance motors guarantees jerk-free travel, even at minimum speed. When cornering, the control system prevents the track chains from spinning for optimum traction.

The additional "crab" and "coordinated" steering modes make it even easier to maneuver the slipform paver.



# STATE-OF-THE-ART ENGINE TECHNOLOGY

01



**Reduced Carbon Emissions, Lower Operating Costs**

ECO-Mode engine control





### Economical Diesel Engine Management

The built-in diesel engine management system - ECO mode - reduces the SP 15(i)'s fuel consumption to a minimum. When ECO mode is activated, the control system automatically adjusts the engine speed to the current performance requirements. As a result, engine speed remains low when driving slowly, and is adjusted upwards when driving at higher speeds. High or maximum engine speed is only required for fast travel, operation with a trimmer, or with vibration. In this way, ECO mode automatically identifies every working situation without operator intervention and optimally adapts the engine speed to the required machine functions.

The demand-driven engine management system thus guarantees low diesel consumption, low noise emissions, and low operating costs.

The SP 15's engine technology meets EU Stage 3a / US EPA Tier 3 emissions standards. Equipped with state-of-the-art engine technology for extremely low emissions, the SP 15i meets the stringent requirements of the EU Stage 5 / US EPA Tier 4f emissions standards.

**01** Thanks to ECO mode, the SP 15(i)'s powerful engine always operates in the optimum power and torque range.

**02** The ECO mode engine control system reduces fuel consumption.

**03** Operators can manually activate ECO mode.



# AUTOPILOT 2.0 - ECONOMIC MACHINE CONTROL WITHOUT STRINGLINES

## Working More Effectively

The conventional 3D machine control systems commonly used to pave monolithic profiles using slipform pavers are often not cost-effective for smaller contracting companies. This is usually due to the high acquisition costs, the cost and effort required to maintain the machine on a day-to-day basis, and the need to work with digital model data.

In contrast, WIRTGEN's proprietary AutoPilot 2.0 system provides customers with an innovative and cost-effective alternative that does not have the disadvantages mentioned above. The system based on GNSS (Global Navigation Satellite System) is precisely tailored to the SP 15(i) and can be used to automatically pave any offset or inset profile, such as concrete safety barriers on highways or the curbs of traffic islands.

01



**Innovation and Efficient**  
AutoPilot 2.0 system developed in-house

**Higher Speed, Fewer Pitfalls**  
Stringless concrete paving

All that's required is unobstructed coverage by a sufficient number of satellites and an operator well-trained in the use of the system and the Field Rover survey pole. Relevant object points are scanned in via a robust tablet on the Field Rover using software developed in-house. This results in a virtual stringline optimized for slipforming technology, taking on-site conditions into account.

Unlike conventional 3D systems, the digital data model is generated on the spot at the job site. After attaching the tablet to the paver's operator's platform, the saved parameters can be used without any additional intermediate steps. The operator

remains completely in control, however, and can intervene in the automatic paving process at any time. It is also possible to import data with unique testing and intuitive editing functions.

The great advantage of this system: It eliminates the need for complicated surveying, assembly and disassembly of stringlines, and a geo-data based data model does not need to be created.

**01** AutoPilot 2.0 makes it possible to pave monolithic profiles without the use of stringlines.

**02** The Field Rover is used to record measurement points and perform control measurements.

**03** After successful calculation and analysis of the virtual stringline, the tablet is snapped into the corresponding docking station on the paver.



# HIGH-PRECISION 3D CONTROL

01



**Be Prepared**

Integrated standard interface



### Customized Profile Paving

Control systems that eliminate the need for stringlines are the future of professional concrete paving. The main advantage of 3D control systems - apart from the precise paving accuracy - is that digital site models are much less expensive to produce than surveying and setting up stringlines. Our SP 15(i) is prepared for this future - thanks to a built-in standard interface, it can easily be equipped with a state-of-the-art, external 3D system as an alternative to our own AutoPilot 2.0.

As part of our thorough acceptance procedures, we have tested the compatibility of the SP 15(i) with 3D control systems from leading suppliers, thus guaranteeing maximum operational reliability. In addition, our own specialists work continuously towards perfecting the systems.



- 01** WIRTGEN-specific acceptance procedures ensure that the various 3D control systems are highly reliable.
- 02** The machine is equipped with a field-proven standard interface for 3D control systems.

# ONE-OF-A-KIND SLOPE CONTROL

## For Perfect Paving Quality

The electronic slope control developed by WIRTGEN on the basis of the "Rapid Slope" sensor guarantees perfect paving results.

Thanks to optimized control technology, the innovative slope control achieves previously unattained levels of precision and dynamics. Significantly shorter machine response times are reflected in precise concrete paving quality.

WIRTGEN slope control quickly and reliably compensates for shocks, vibrations, and uneven ground.

## For Precise Results

RAPID SLOPE dynamic cross slope control

01



01 - 02 Specified cross slopes are precisely maintained.

02



# MACHINE STABILITY, EVEN IN DIFFICULT APPLICATIONS

## Modularly Extendable Machine Frame

Anyone who has ever worked with slipform pavers appreciates reliable adaptability to difficult job site conditions. The SP 15(i) offers a fully modular machine design. For example, the arrangement of the crawler units is designed to be extremely flexible to ensure that the small paver always has optimum stability. The mold and concrete feeding system can also be adapted to the respective situation as required. In addition, the SP 15(i) can be easily converted and effort-

lessly expanded with additional components to solve complex, customer-specific challenges. And custom options can be added at any time thanks to the use of standard interfaces.

The two front crawler units are designed to swing out hydraulically for maximum adaptability to the job site. The rear, mechanically or hydraulically adjustable crawler unit offers additional flexibility on the site.



**Flexible Reconfiguration as Required**

Modular machine design concept

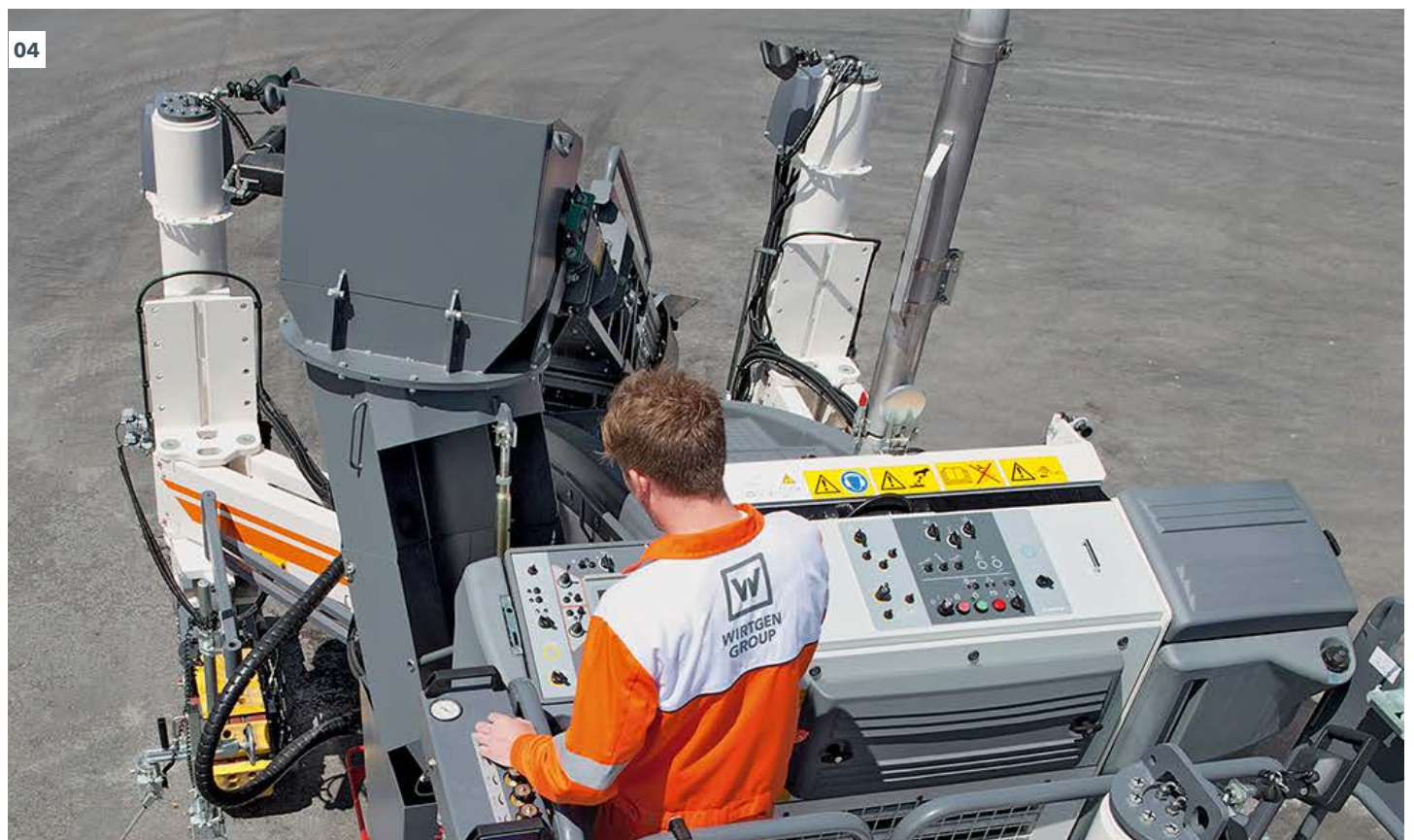
**Masters Every On-Site Challenge**

Variably positionable swing legs and track units





- 01** Smooth turns around its own axis thanks to the three steerable crawler units.
- 02** The rear crawler unit can be telescoped outwards ...
- 03** ... allowing the machine to travel as close as possible to the paving profile while maintaining a high level of stability.
- 04** The track width of the two front crawler units can be adjusted at the flip of a switch via extendable swing arms.



# CONTINUOUS CONCRETE FEEDING FOR HIGH DAILY PRODUCTION RATES

01



**Perfect Choice**

Various concrete feeding options

### Flexibility is Key

A reliable, steady supply of material from the truck mixer into the mold is one of the key factors that determines the quality of monolithic profile paving. For this purpose, the SP 15(i) can be equipped with a choice of auger conveyor, belt conveyor, or hydraulically folding belt conveyor to shorten the machine's transport length. All three options can be hydraulically adjusted in a flexible manner to suit the site conditions, including lengthwise or at an angle of elevation, and can also pivot to feed concrete to the mold from the right or left side. Compared to the belt conveyor, the auger conveyor can be adjusted to a considerably steeper angle of up to 45°.

In addition, the auger conveyor can store larger quantities of concrete as a buffer.

Thanks to the auger's generous capacity, paving operations can continue uninterrupted, even when switching truck mixers, for instance.

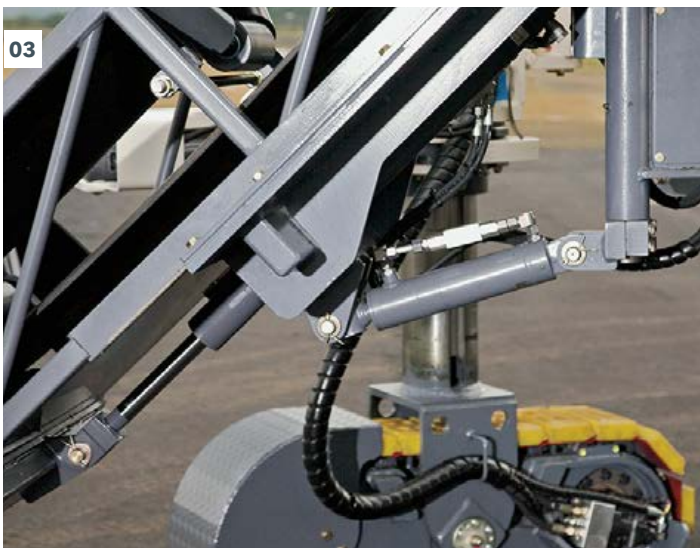
The advantages of a belt conveyor include its high conveying speed, easy accessibility, and quick and easy cleaning.



**01 - 02** The SP 15(i) can be equipped with either a belt or an auger conveyor.

**03** Hydraulic cylinders allow the concrete feeding system to be rotated and adjusted lengthwise and at an angle of elevation.

**04** Concrete discharge: The chute made of solid rubber or steel can be positioned precisely above the mold's hopper.



# POSITION THE MOLD AS REQUIRED

## Right- or Left-Side Mounting

The SP 15(i) guarantees maximum flexibility in every application. The mold can be mounted to either the right or left side of the machine to ensure that different job site requirements can always be met. This keeps traffic disruptions to a minimum, as the SP 15(i) and concrete mixer can move in the direction of traffic at all times.

Hydraulically telescoping mounts allow the mold to be shifted laterally - for paving profiles inside or outside the machine dimensions. The height is adjusted via the crawler units - the maximum profile paving height is 1,300 mm, which is unprecedented in this performance class.

The hydraulically operated quick-change system makes it possible to quickly change curb/gutter profiles without much effort.



01 - 02 The mold can be telescoped outwards hydraulically by up to 700 mm.



04



**03** The quick-change system makes it possible to quickly change the mold right on the job site.

**04** Hydraulic height adjustment by up to 1,000 mm (additional mechanical adjustment: 280 mm).

**05** The mold can be mounted either to the left or right side - and can be switched to the other side in next to no time.

05



## Maximum Versatility

Slipform paving mold at right or left

# PERFECT PREPARATION OF THE SUB-BASE VIA TRIMMER



- 01 The trimmer can be adjusted in a variety of ways using hydraulic cylinders.
- 02 The trimmer optimally levels the previously consolidated sub-base ...
- 03 ... up to a working depth of 150 mm.

### **An Even Sub-Base for Optimum Paving**

The design of the trimmer roller is based on our unique expertise in the field of cutting technology acquired over decades. The helical trimmer fitted with picks smooths insufficiently level ground and guarantees uniform paving of the profile. The height and slope of the trimmer, which is positioned directly in front of the mold, are adjustable, and it can also be telescoped laterally.

Starting from a basic width of 600 mm, the unit can be gradually widened up to a maximum of 1,600 mm.

We can also manufacture customized special solutions, such as a trimmer that conveys to the outside, for example.



### **Automatically Levelled Sub-Base**

Variably adjustable Trimmer

# SOPHISTICATED TRANSPORT CONCEPT

## Optimized Machine Dimensions

Its maneuverability and machine dimensions optimized for compactness allow the SP 15(i) to be quickly loaded and transported. The effort required to ready the machine for transport is minimal. Molds with a narrow profile width do not need to be removed, but can remain mounted to the machine during transport.

When the mold is in its retracted position, the paver complies with legal regulations governing total width. And equipped with a folding conveyor, the SP 15(i) is easy to transport, even with small transport vehicles.

01



**Fast Relocation without Special Permits**

Compact transport dimensions

**Suitable for Short Transport Vehicles or Trailers**

Hydraulic folding conveyor



**01** Can be transported on a flat bed truck - perfect!

**02** Compact dimensions: The inwardly telescoping, narrow mold remains mounted during transport.

**03** The folding version of the belt conveyor or can be folded in hydraulically.







The compact slipform paver paves a wide range of monolithic profiles up to 1.3 m high. It can be used to easily pave concrete surfaces up to 2.2 m wide (cannot be combined with all options). The slipform paver is ideal for construction sites where a high degree of manoeuvrability, tight curves and maximum flexibility are required.



TECHNICAL SPECIFICATIONS	SP 15	SP 15 i
Area of application	Offset	
<b>Concrete Feeding System</b>		
Belt conveyor	Length: 4,900 mm, belt width: 600 mm	
Folding belt conveyor (optional)	Length: 5,500 mm, belt width: 600 mm	
Auger conveyor (optional)	Length: 4,600 mm, auger diameter: 400 mm	
<b>Concrete Mold</b>		
Position	Left / right	
Lateral mold adjustment	700 mm	
Mold height adjustment (optional)	400 mm	
Max. mold height	1,300 mm <sup>1)</sup>	
Max. mold width	1,800 mm <sup>1), 2)</sup>	
<b>Vibration</b>		
Connectors for hydraulic vibration	6	
Connectors for electric vibration (optional)	5	
<b>Trimmer (Optional)</b>		
Standard width	600 mm	
Max. width	1,600 mm <sup>3)</sup>	
Working depth	0 - 150 mm	
Cutting diameter	500 mm	
Maximum stroke	775 mm	
Hydraulic height adjustment	400 mm	
Mechanical height adjustment	375 mm	
Lateral trimmer adjustment	1,300 mm	
<b>Engine</b>		
Engine manufacturer	Deutz	Deutz
Type	TCD 2012 L04 2V AG3	TCD 4.1 L4
Cooling	Water	Water
Number of cylinders	4	4
Rated power at 2,100 rpm	92 kW / 123 HP / 125 PS	95 kW / 127 HP / 129 PS
Displacement	4,040 cm <sup>3</sup>	4,040 cm <sup>3</sup>
Fuel consumption, full load   in field mix	23.7 l/h   10,6 l/h	25 l/h   11.2 l/h
Sound power level in accordance with DIN EN 500-6 engine   operator's platform	≤ 103 dB(A)   ≥ 80 dB(A)	≤ 99 dB(A)   ≥ 80 dB(A)
Emissions standards	EU Stage 3a / US EPA Tier 3	EU Stage 5 / US EPA Tier 4f

TECHNICAL SPECIFICATIONS	SP 15	SP 15 i
<b>Electrical System</b>		
Power supply	24 V	
<b>Tank Capacities</b>		
Fuel	220 l	
AdBlue® / DEF <sup>4)</sup>	-	20 l
Hydraulic oil	220 l	
Water	220 l	160 l
Additional water tank	290 l	
<b>Driving Performance</b>		
Operating speed	0 - 15 m/min	
Transport speed	0 - 35 m/min	
<b>Crawler Units</b>		
Number	3	
Position	2 x front / 1 x rear	
Dimensions (L x W x H)	1,340 mm x 260 mm x 550 mm	
<b>Machine Height Adjustment</b>		
Hydraulic height adjustment	1,000 mm	
Mechanical height adjustment	280 mm	
<b>Transport Dimension (L x B x H)<sup>5)</sup></b>		
Basic machine without concrete feeding system	5,400 mm x 2,400 mm x 2,650 mm	
Basic machine with belt conveyor	7,300 mm x 2,550 mm x 2,750 mm	
Basic machine with folding belt conveyor	6,700 mm x 2,550 mm x 2,950 mm	
Basic machine with auger conveyor	6,750 mm x 2,500 mm x 2,800 mm	
Belt conveyor without chute	5,500 mm x 1,050 mm x 680 mm	
Folding belt conveyor without chute	6,200 mm x 1,050 mm x 930 mm	
Auger conveyor without chute	5,100 mm x 1,150 mm x 1,000 mm	
Trimmer	2,200 mm x 800 mm x 1,680 mm	
<b>Weight Specifications</b>		
Operating weight, CE <sup>6)</sup>	10,000 - 13,500 kg	
Trimmer, working width 600 mm	1,100 kg	
Belt conveyor	850 kg	
Folding belt conveyor	920 kg	
Auger conveyor	1,300 kg	

<sup>1)</sup> Other offset geometry and special applications available on request

<sup>2)</sup> Mold width up to 2,200 mm on request

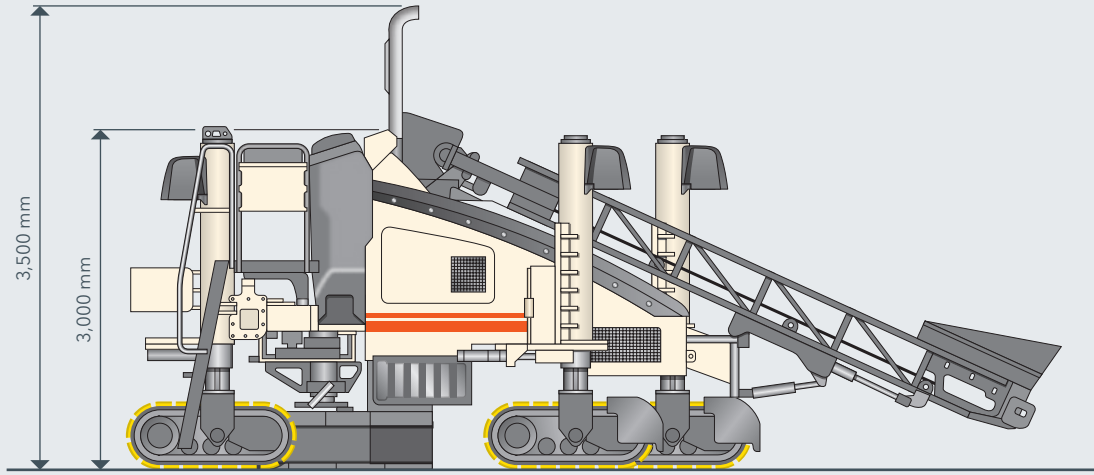
<sup>3)</sup> Special widths available on request

<sup>4)</sup> AdBlue® is a registered trademark of the German Association of the Automotive Industry (VDA)

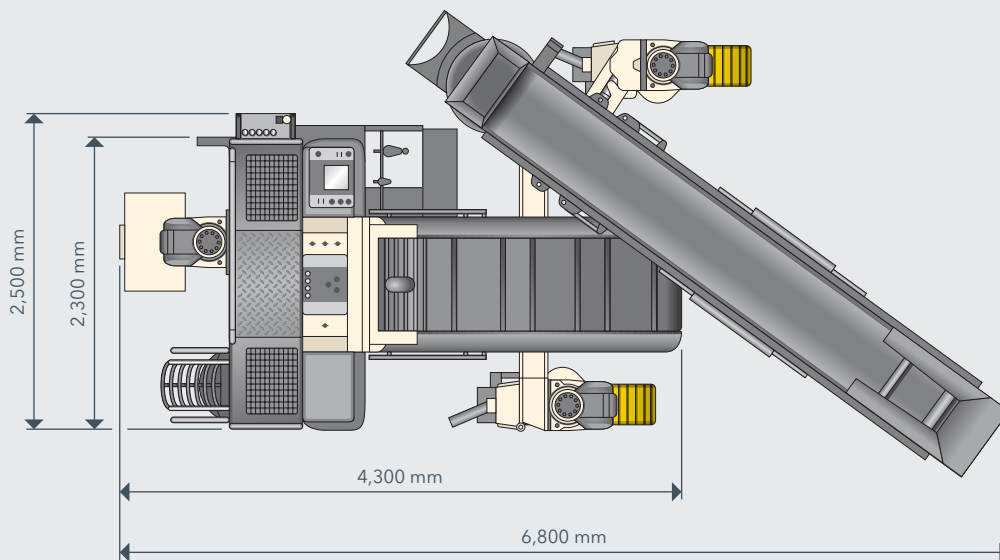
<sup>5)</sup> All specifications are minimum specifications without offset mold mounted

<sup>6)</sup> 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

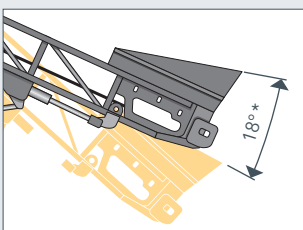
SIDE VIEW / TOP VIEW SP 15(i)



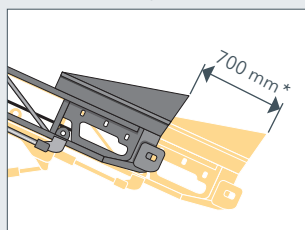
Working direction



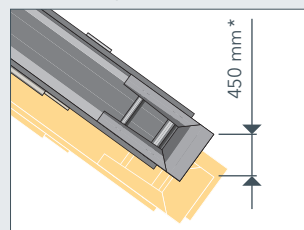
Angle of the belt conveyor



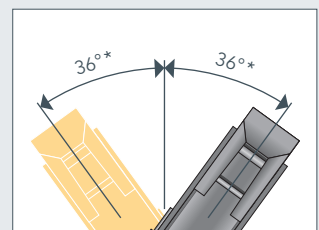
Longitudinal adjustment of the belt conveyor



Lateral adjustment of the belt conveyor



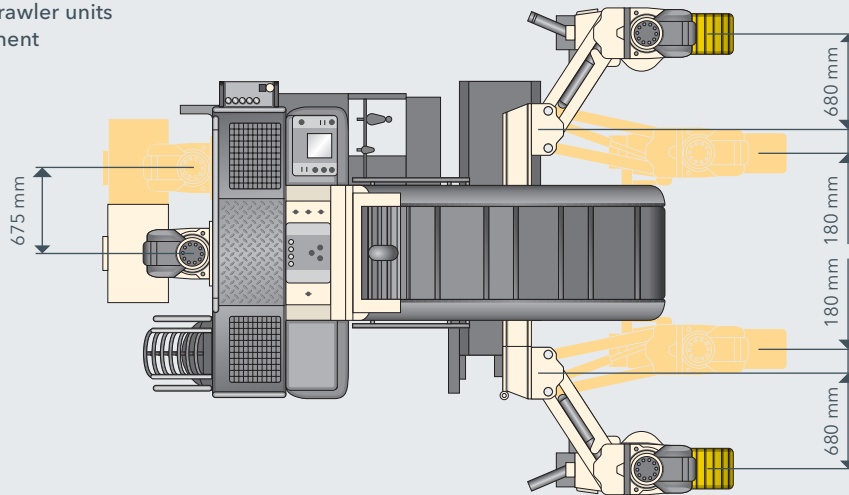
Rotation of the belt conveyor



\* Figures also apply to auger conveyor

## TOP VIEW SP 15(i)

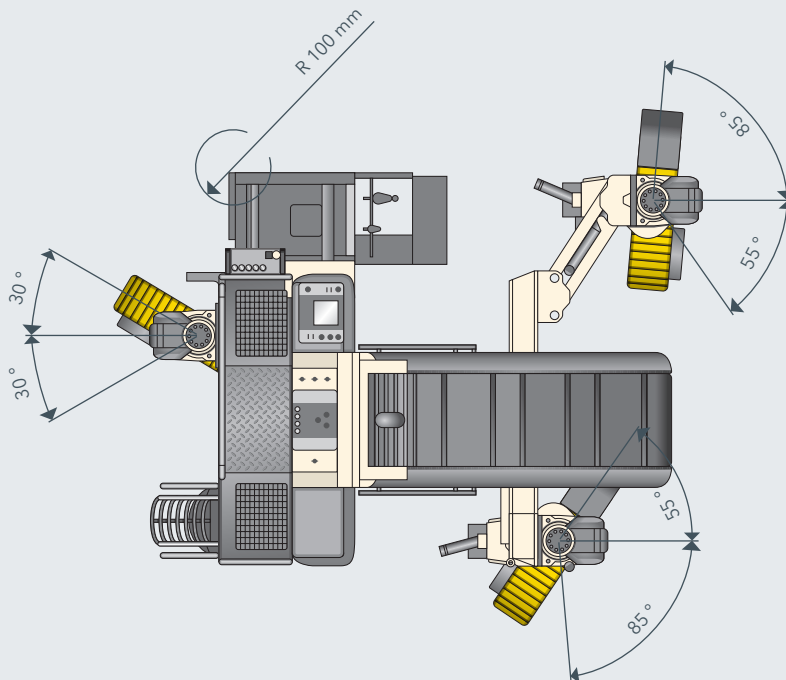
Configuration of the crawler units and additional equipment



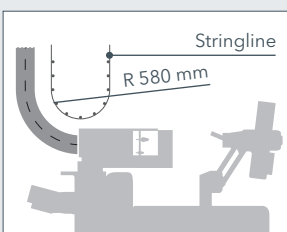
Working direction



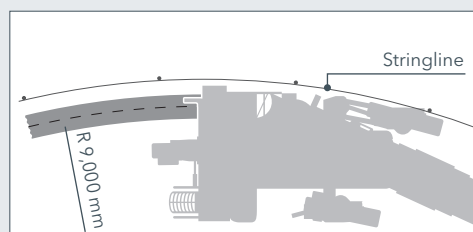
Maneuvering radius



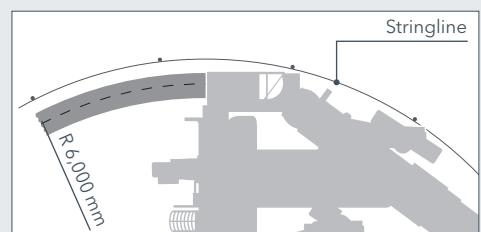
Usable paving radius



Paving radius along stringline, offset mold retracted



Paving radius along stringline, offset mold extended



STANDARD EQUIPMENT	SP 15	SP 15 i
<b>Basic Machine</b>		
> 220 l fuel tank	■	■
> 220 l hydraulic oil tank	■	■
> Electrical system (24 V)	■	■
> Pressure-and-flow-controlled hydraulic pump in the open circuit for driving the track units	■	■
> Pressure-and-flow-controlled hydraulic pump in the open circuit for driving the hydraulic or electric vibrators	■	■
> Pressure-controlled hydraulic pump (open circuit) for all cylinder functions	■	■
> A proportionally controlled hydraulic pump (closed circuit) for driving the auger conveyor or belt conveyor	■	■
<b>Main Frame and Height Adjustment</b>		
> Sturdy machine frame for accommodating two track units at the front and one track unit at the rear	■	■
<b>Crawler Units and Chassis Linkage</b>		
> Three hydraulically driven track units, 1.34 m long; gear ratio 1:42; including towing device	■	■
> Continuously adjustable paving speed from 0 to 15 m/min	■	■
> Continuously adjustable transport speed from 0 to 35 m/min	■	■
> Three hydraulic leveling cylinders with a stroke of 1.00 m	■	■
> The rear track unit can be moved along the rear suspension in order to select the most favorable position for the particular application	■	■
> Model with one rigid and one pivoting front track unit connection (parallelogram arm)	□	□
> Three track units fitted with triple-grouser steel track pads	□	□



STANDARD EQUIPMENT	SP 15	SP 15 i
<b>Machine Control, Leveling and Steering</b>		
> Digital control system with LCD display that provides the operator with all of the relevant information and allows parameters such as the free choice of language (D/GB/F/E/NL) to be adjusted via a menu	■	■
> Proportional electrohydraulic leveling and steering by means of a PLC system including two leveling sensors, two steering sensors and one slope sensor	■	■
> Sensor mounting brackets, adjustable in height and range	■	■
<b>Vibration</b>		
> Hydraulic vibrator drive for up to 6 vibrators	□	□
> Two straight vibrators D66, hydraulically driven	□	□
<b>Concrete Feeding System</b>		
> Electrical and hydraulic preliminary equipment inside the machine for concrete feeding	■	■
> Steel chute	□	□
> Belt conveyor 4.90 m x 0.60 m with reversible hydraulic drive, hydraulically adjustable	□	□
<b>Concrete Equipment for Offset Paving</b>		
> The offset paving molds can be mounted on the left or right side of the machine	■	■
> The mold mount can be telescoped outwards by 0.70 m per side	■	■
> Offset paving mold up to 0.60 m wide, max. height of 0.40 m	□	□
<b>Miscellaneous</b>		
> Water tank with 220 l capacity and additional water tank with 290 l capacity	■	—
> Water tank with 160 l capacity and additional water tank with 290 l capacity	—	■
> Pre-fitting for installing the WITOS FleetView control unit	■	■
> European type certification, EuroTest mark and CE conformity	■	■
> Standard painting in RAL 9001 (cream)	□	□
> WITOS - professional telematics solution for machine operation and service optimization	□	□
> Lighting system including 3 halogen working lights, 24 V	□	□

■ = Standard equipment

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

□ = Optional equipment

OPTIONAL EQUIPMENT	SP 15	SP 15i
<b>Crawler Units and Chassis Linkage</b>		
> Two pivoting front track units (parallelogram arms)	<input type="checkbox"/>	<input type="checkbox"/>
> Three track units fitted with polyurethane track pads	<input type="checkbox"/>	<input type="checkbox"/>
> Hydraulic positioning feature for the rear track unit	<input type="checkbox"/>	<input type="checkbox"/>
<b>Machine Control, Leveling and Steering</b>		
> Two slab tracers	<input type="checkbox"/>	<input type="checkbox"/>
> Third height and steering sensor for paving in corners with tight radii	<input type="checkbox"/>	<input type="checkbox"/>
> Pre-fitting for 3D leveling	<input type="checkbox"/>	<input type="checkbox"/>
> Additional slope sensor for 3D leveling	<input type="checkbox"/>	<input type="checkbox"/>
> AutoPilot 2.0 (868 - 870 MHz) with Field Rover	<input type="checkbox"/>	<input type="checkbox"/>
> AutoPilot 2.0 (902 - 928 MHz) with Field Rover	<input type="checkbox"/>	<input type="checkbox"/>
> Training for AutoPilot 2.0 - Price on demand	<input type="checkbox"/>	<input type="checkbox"/>
> Amplifier to extend the range of the AutoPilot signal. Radio frequency: 868 - 870 MHz	<input type="checkbox"/>	<input type="checkbox"/>
> Amplifier to extend the range of the AutoPilot signal. Radio frequency: 902 - 928 MHz	<input type="checkbox"/>	<input type="checkbox"/>
> Laser transmitter for AutoPilot 2.0 including stand	<input type="checkbox"/>	<input type="checkbox"/>
> Laser receiver for AutoPilot 2.0	<input type="checkbox"/>	<input type="checkbox"/>
> Ultrasonic sensor for AutoPilot 2.0	<input type="checkbox"/>	<input type="checkbox"/>
> Total station Leica iCON iCR80s for AutoPilot 2.0, 868 - 870 MHz	<input type="checkbox"/>	<input type="checkbox"/>
> Total station Leica iCON iCR80s for AutoPilot 2.0, 902 - 928MHz	<input type="checkbox"/>	<input type="checkbox"/>
> Additional tablet computer with case for AutoPilot 2.0	<input type="checkbox"/>	<input type="checkbox"/>
<b>Vibration</b>		
> Electric vibrator drive with 10-kVA generator for up to 6 vibrators	<input type="checkbox"/>	<input type="checkbox"/>
> Two curved vibrators D66, hydraulically driven	<input type="checkbox"/>	<input type="checkbox"/>
> Two straight vibrators D66, electrically driven	<input type="checkbox"/>	<input type="checkbox"/>
> Two curved vibrators D66, electrically driven	<input type="checkbox"/>	<input type="checkbox"/>
> Straight vibrator D66, hydraulically driven	<input type="checkbox"/>	<input type="checkbox"/>
> Curved vibrator D66, hydraulically driven	<input type="checkbox"/>	<input type="checkbox"/>
> Straight vibrator D66, electrically driven	<input type="checkbox"/>	<input type="checkbox"/>
> Curved vibrator D66, electrically driven	<input type="checkbox"/>	<input type="checkbox"/>
<b>Concrete Feeding System</b>		
> Belt conveyor 5.50 m x 0.60 m in folding design with reversible hydraulic drive, fully hydraulically adjustable	<input type="checkbox"/>	<input type="checkbox"/>
> Auger conveyor 4.60 m x 0.40 m with reversible hydraulic drive, hydraulically adjustable	<input type="checkbox"/>	<input type="checkbox"/>
> Steel-rubber chute is used to guide the concrete to the offset mold	<input type="checkbox"/>	<input type="checkbox"/>
<b>Concrete Equipment for Offset Paving</b>		
> Offset paving mold from 0.60 m to 1.20 m wide, max. height of 0.40 m	<input type="checkbox"/>	<input type="checkbox"/>
> Offset paving mold from 1.20 m to 1.80 m wide, max. height of 0.40 m	<input type="checkbox"/>	<input type="checkbox"/>
> Offset paving mold up to 0.90 m high, max. base width of 0.60 m, including hopper	<input type="checkbox"/>	<input type="checkbox"/>
> Offset paving mold up to 1.30 m high, max. base width of 0.60 m, including hopper	<input type="checkbox"/>	<input type="checkbox"/>
> Split offset paving mold up to 0.60 m wide, max. height of 0.40 m	<input type="checkbox"/>	<input type="checkbox"/>
> Split offset paving mold from 0.60 m to 1.20 m wide, max. height of 0.40 m	<input type="checkbox"/>	<input type="checkbox"/>
> Split combined offset mold up to 0.75 m in width and a maximum of 0.40 m in height	<input type="checkbox"/>	<input type="checkbox"/>
> Split combined offset mold up to 1.10 m in width and a maximum of 0.40 m in height	<input type="checkbox"/>	<input type="checkbox"/>

OPTIONAL EQUIPMENT	SP 15	SP 15 i
<b>Concrete Equipment for Offset Paving</b>		
> Offset paving mold up to 0.60 m wide, max. height of 0.40 m	<input type="checkbox"/>	<input type="checkbox"/>
> Offset paving mold from 0.60 m to 1.20 m wide, max. height of 0.40 m	<input type="checkbox"/>	<input type="checkbox"/>
> Offset paving mold from 1.20 m to 1.80 m wide, max. height of 0.40 m	<input type="checkbox"/>	<input type="checkbox"/>
> Offset paving mold up to 0.90 m high, max. base width of 0.60 m, including hopper	<input type="checkbox"/>	<input type="checkbox"/>
> Offset paving mold up to 1.30 m high, max. base width of 0.60 m, including hopper	<input type="checkbox"/>	<input type="checkbox"/>
> Split offset paving mold up to 0.60 m wide, max. height of 0.40 m	<input type="checkbox"/>	<input type="checkbox"/>
> Split offset paving mold from 0.60 m to 1.20 m wide, max. height of 0.40 m	<input type="checkbox"/>	<input type="checkbox"/>
> Bottom part for split offset paving mold (AV) up to 0.60 m wide (max. height of 0.40 m)	<input type="checkbox"/>	<input type="checkbox"/>
> Bottom part for split offset paving mold (AV) from 0.60 m to 1.20 m wide (max. height of 0.40 m)	<input type="checkbox"/>	<input type="checkbox"/>
> Split combined offset mold up to 0.75 m in width and a maximum of 0.40 m in height	<input type="checkbox"/>	<input type="checkbox"/>
> Split combined offset mold up to 1.10 m in width and a maximum of 0.40 m in height	<input type="checkbox"/>	<input type="checkbox"/>
> Profile insert for split combined offset mold up to 0.75 m in width	<input type="checkbox"/>	<input type="checkbox"/>
> Profile insert for split combined offset mold up to 1.10 m in width	<input type="checkbox"/>	<input type="checkbox"/>
> Set of hydraulic components for telescoping the offset mold mount	<input type="checkbox"/>	<input type="checkbox"/>
> Height adapter for split offset paving molds	<input type="checkbox"/>	<input type="checkbox"/>
> Height-adjustable mold mount with 0.40 m lift for split offset mold	<input type="checkbox"/>	<input type="checkbox"/>
> Hydraulic quick-change system for offset paving mold (one-piece mold)	<input type="checkbox"/>	<input type="checkbox"/>
> Additional adapter plate for quick-change system	<input type="checkbox"/>	<input type="checkbox"/>
> Hydraulic quick-change system for offset paving mold (two-piece mold)	<input type="checkbox"/>	<input type="checkbox"/>
> Set of hydraulic components for adjusting the sideplate of an EV offset paving mold	<input type="checkbox"/>	<input type="checkbox"/>
> Set of hydraulic components for adjusting the sideplate of an AV offset mold	<input type="checkbox"/>	<input type="checkbox"/>
<b>Offset Trimmer</b>		
> Preliminary equipment for trimmer, electric and hydraulic	<input type="checkbox"/>	<input type="checkbox"/>
> Trimmer, basic width, 0.60 m, for mounting on the left side	<input type="checkbox"/>	<input type="checkbox"/>
> Trimmer, basic width, 0.60 m, for mounting on the right side	<input type="checkbox"/>	<input type="checkbox"/>
> Trimmer - extension 0.20 m wide, for mounting on the left side	<input type="checkbox"/>	<input type="checkbox"/>
> Trimmer - extension 0.40 m wide, for mounting on the left side	<input type="checkbox"/>	<input type="checkbox"/>
> Trimmer - extension 0.20 m wide, for mounting on the right side	<input type="checkbox"/>	<input type="checkbox"/>
> Trimmer - extension 0.40 m wide, for mounting on the right side	<input type="checkbox"/>	<input type="checkbox"/>
<b>Operator's Platform</b>		
> Weather umbrella for operator's platform	<input type="checkbox"/>	<input type="checkbox"/>
<b>Miscellaneous</b>		
> Painting in one special color (RAL)	<input type="checkbox"/>	<input type="checkbox"/>
> Painting in two special colors (RAL)	<input type="checkbox"/>	<input type="checkbox"/>
> Model without WITOS	<input type="checkbox"/>	<input type="checkbox"/>
> High-performance lighting system including 3 LED working lights, 24 V	<input type="checkbox"/>	<input type="checkbox"/>
> High-pressure cleaner	<input type="checkbox"/>	<input type="checkbox"/>
> LED floodlights 24 V	<input type="checkbox"/>	<input type="checkbox"/>
> Large storage compartment at the rear of the machine	<input type="checkbox"/>	<input type="checkbox"/>
> Stringline tensioning system, complete with 1,000 m steel wire rope	<input type="checkbox"/>	<input type="checkbox"/>
> Additional tensioning winch for stringline tensioning system	<input type="checkbox"/>	<input type="checkbox"/>
> Stringline tensioning system, complete with 4 x 300 m nylon rope	<input type="checkbox"/>	<input type="checkbox"/>
> Radius kit, fiberglass rod as stringline replacement for paving in corners with different radii	<input type="checkbox"/>	<input type="checkbox"/>

■ = Standard equipment

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□ = Optional equipment

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