



Versatile, top-quality paving of poured-in-place profiles.

# Slipform Paver SP 15 / SP 15i



# Outstanding features of the SP 15 / SP 15i slipform paver

02  
03

## 1 | HIGHLY FLEXIBLE OFFSET MOULD SYSTEM

Concrete feeding system offering various adjustment options. Flexible arrangement of the offset mould on the left or right side, close to or far to one side of the machine frame. Most diverse offset moulds for poured-in-place profiles available for a wide of applications.

## 2 | HIGH-QUALITY MACHINE MANAGEMENT SYSTEM

High-quality machine management system for maximum operational safety, precise machine functionality and automatic detection of configuration and operation parameters.

## 8 | MODULAR ADAPTABILITY

Variable arrangement of the paving mould and track units to ensure full machine utilization.

## 9 | EASE OF OPERATION

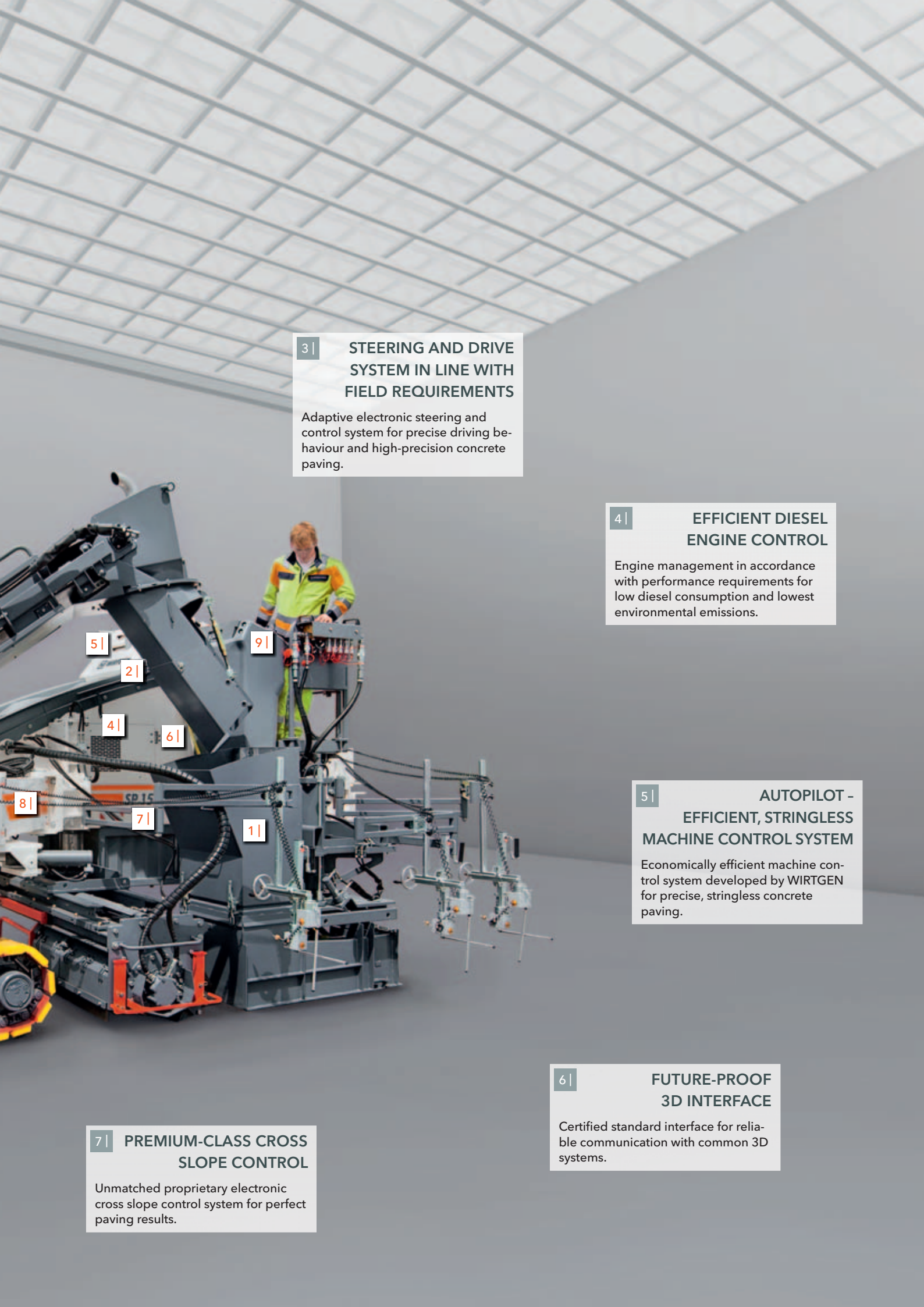
Ergonomically designed operator's platform with self-explanatory operating concept to ensure productive working.

## 10 | INTELLIGENT TRANSPORT CONCEPT

Compact machine dimensions to ensure ease of transport.







**3 | STEERING AND DRIVE SYSTEM IN LINE WITH FIELD REQUIREMENTS**

Adaptive electronic steering and control system for precise driving behaviour and high-precision concrete paving.

**4 | EFFICIENT DIESEL ENGINE CONTROL**

Engine management in accordance with performance requirements for low diesel consumption and lowest environmental emissions.

**5 | AUTOPILOT - EFFICIENT, STRINGLESS MACHINE CONTROL SYSTEM**

Economically efficient machine control system developed by WIRTGEN for precise, stringless concrete paving.

**6 | FUTURE-PROOF 3D INTERFACE**

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

**7 | PREMIUM-CLASS CROSS SLOPE CONTROL**

Unmatched proprietary electronic cross slope control system for perfect paving results.

5 |

2 |

4 |

6 |

8 |

7 |

1 |

9 |







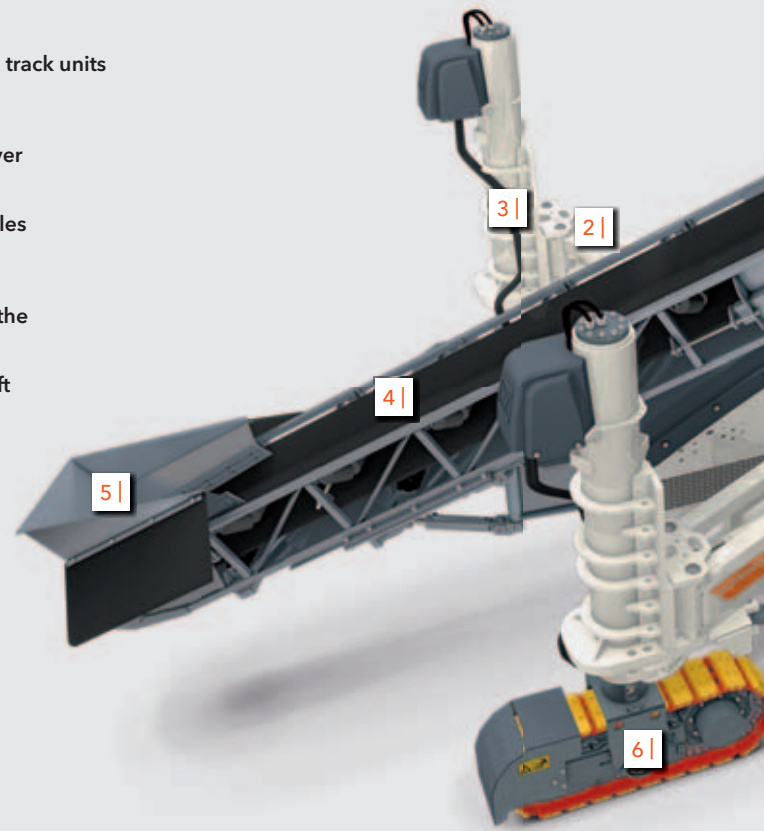


A new form of  
economic efficiency.

THE WIRTGEN SP 15/SP 15i SLIPFORM PAVER. EQUIPPED WITH SOPHISTICATED FEATURES, CUSTOMER-SPECIFIC SOLUTIONS, INNOVATIVE MACHINE TECHNOLOGIES. AND EFFICIENT MULTIFUNCTIONALITY: THE COMPACT MACHINE BOASTS AN UNSURPASSED VARIETY OF APPLICATIONS IN THE PAVING OF HIGH-QUALITY OFFSET CONCRETE PROFILES. YOU SEE: MANY THINGS HAVE CHANGED, ONE THING HAS REMAINED THE SAME - THE SP 15/SP 15i IS UNDENIABLY WIRTGEN. UNDENIABLY A CHAMPION.



- 1 | Flexible chute in steel or rubber design
- 2 | Pivoting leg for adjustment of the track unit to site conditions
- 3 | Lifting column with hydraulic cylinder for height adjustment of the track units
- 4 | Concrete feeding system in belt conveyor or auger conveyor design offering various adjustment options
- 5 | Receiving hopper for freshly delivered concrete
- 6 | Hydraulically driven, separately height-adjustable and steerable track units
- 7 | Height-adjustable, laterally telescoping trimmer unit
- 8 | Offset mould can be mounted on the left or right side of the paver and telescoped to both sides
- 9 | Quick-change mould-mounting system for kerb and gutter profiles
- 10 | Laterally telescoping rear track unit
- 11 | Walk-through operator's platform offering a good view of both the machine and the construction site
- 12 | Clearly structured control panel, suitable for mounting on the left or right side of the machine
- 13 | Protective screen



*Main components  
of the compact  
slipform paver.*

## A striking array of performance features

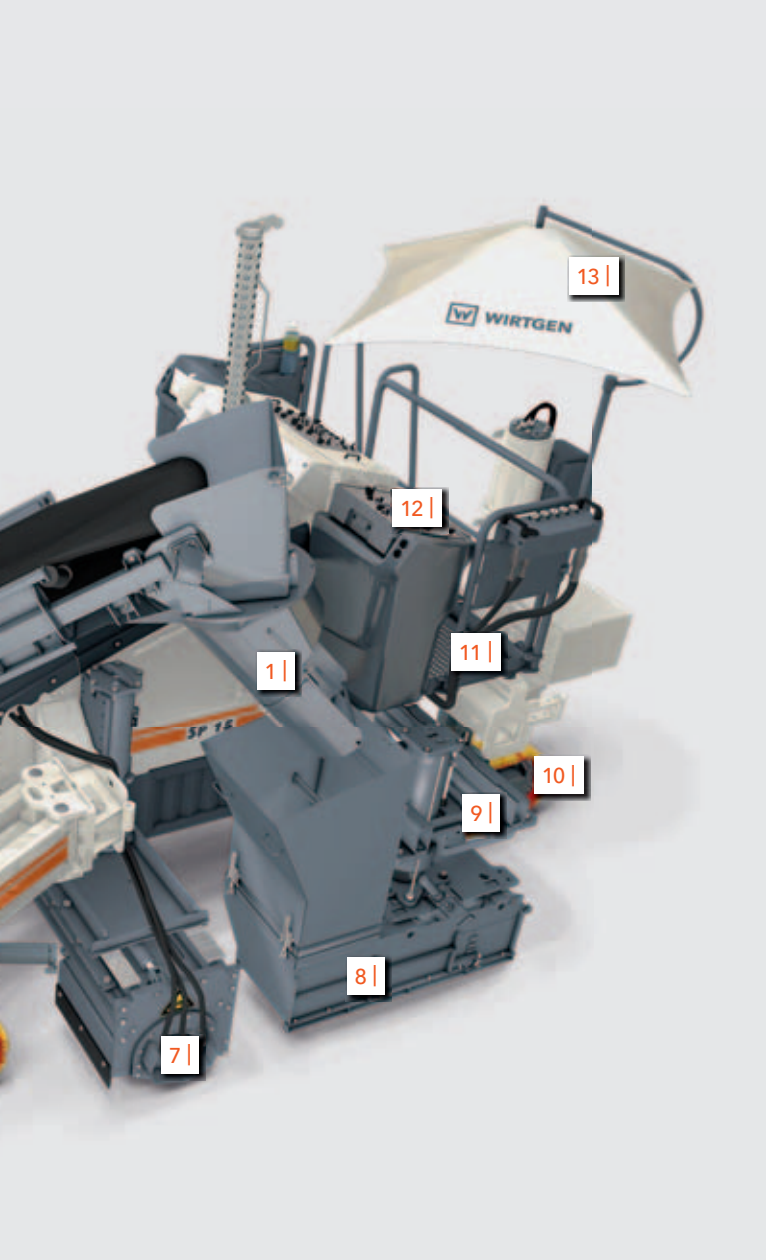
### **BROAD RANGE OF OFFSET APPLICATIONS**

The SP 15/SP 15i is second to none as a multipurpose machine for offset concrete paving. It is the ideal choice for producing all types of poured-in-place profiles at heights of up to 1.3 m, as well as concrete slabs at widths of up to 1.8 m. The slipform paver owes its versatility to the highly flexible arrangement of the paving mould and track units. Offset moulds in a wide variety of profiles can be mounted either on the right or on the left side of the machine. The paver's flexibility is enhanced by optional features such as the trimmer unit, concrete feeding by means of belt conveyor or auger conveyor, electric or hydraulic vibrators.

This wealth of configuration options makes the SP 15/SP 15i fully adaptable to the specific job conditions, thus significantly increasing productivity.

The compact machine impresses with its robust design for tough day-to-day operation on site, exceptional manoeuvrability and simple operating concept. Intelligent electronic steering and control technology ensures full compliance with the specific requirements.





1 | Paving of a sloped concrete shoulder.

2 | No problem: highly accurate paving of radii with the SP 15/SP 15i.





11

1 | *Special parapet application to ensure superior containment performance: paving of continuously reinforced concrete safety barriers both on the right...*

# High utilization ensured by a wide range of applications

## THE SP 15/SP 15i IN ACTION

The SP 15/SP 15i is the perfect choice for paving large poured-in-place concrete profiles at heights of up to 1.3 m or widths of up to 1.8 m. Even larger profiles can be realized in accordance with customer requirements. A wide variety of profile configurations can be produced, including kerbs, gutters, safety barriers, drains, sewers and narrow paths. Offering ease of transport, the SP 15/SP 15i can perform various jobs on several sites on a single day: changing moulds or moving them from one side of the machine to the other is accomplished quickly and easily right on the job site. On construction sites presenting diffi-

cult ground conditions, a trimmer unit can be mounted to create a perfect subgrade level.

Flexible positioning of the paving mould, track units and concrete feeding system tremendously increases the range of applications of the SP 15/SP 15i. The paver's flexibility is enhanced even further thanks to the telescoping mould mount and modular design allowing individual complementary features to be added.





2 | ...and on the left side of the machine.

3 | Paving pedestrian and bicycle paths at widths of up to 1.8 m using a mould offering modular extension.



4-5 | Paving large and small water gutters.

6 | Accurate paving of kerb and gutter profiles using the AutoPilot system.

7 | Producing a slot drain to ensure rain-water drainage.







A man in a blue t-shirt and orange safety harness is operating a piece of machinery. A red hard hat is hanging on the machine. A work light is mounted on top. The background is a clear blue sky.

**Standing here,  
you're in charge.**

**BE RELAXED AND COMFORTABLE DURING WORK WHILE KEEPING EVERYTHING IN FULL VIEW - A GIVEN WITH THE SP 15 / SP 15i. CLEARLY STRUCTURED CONTROLS ARRANGED IN LINE WITH ERGONOMIC PRINCIPLES. PROVIDING YOU WITH ALL RELEVANT PARAMETERS AT A SINGLE GLANCE. THE INTELLIGENT VISIBILITY CONCEPT COMES AS A STANDARD FEATURE. WITH THE SP 15 / SP 15i, YOU'RE IN CHARGE - ALWAYS. EASE OF OPERATION AND HIGH PRODUCTIVITY BECOME ONE.**





*The standardized, intuitive operating concept of WIRTGEN'S small paver range comprising SP 15/ SP 15i and SP 25/ SP 25i offers additional synergistic effects.*

## Ease of operation enhances productivity

### FAMILIAR WITH THE MACHINE IN NO TIME AT ALL

The operator's comfort and high performance levels are ensured by the ergonomic design of the spacious, walk-through operator's platform: depending on the specific job requirements, the control panel of the SP 15/SP 15i can be positioned on the left or right side, thus offering perfect visibility on both sides of the machine, paving process and construction site. The graphic screen on the control panel keeps the operator informed of all relevant operating parameters on an event-driven basis. Clear, language-neutral symbols ensure

easy operation of the slipform paver. At the end of the day, the operator is in full control of the SP 15/SP 15i and works very effectively after only a short period of time.

Its comprehensive lighting package makes the SP 15/SP 15i a top performer even after the sun has set. Ample storage space is available for tools, sensors, the hydraulically operated high-pressure cleaner or other items needed on site.





1 | The convenient access ladder can be adjusted in height manually.

2 | Control panel suitable for mounting on the left or right side for perfect visibility.

3 | The graphic screen is incorporated in the centre of the clearly structured control panel.





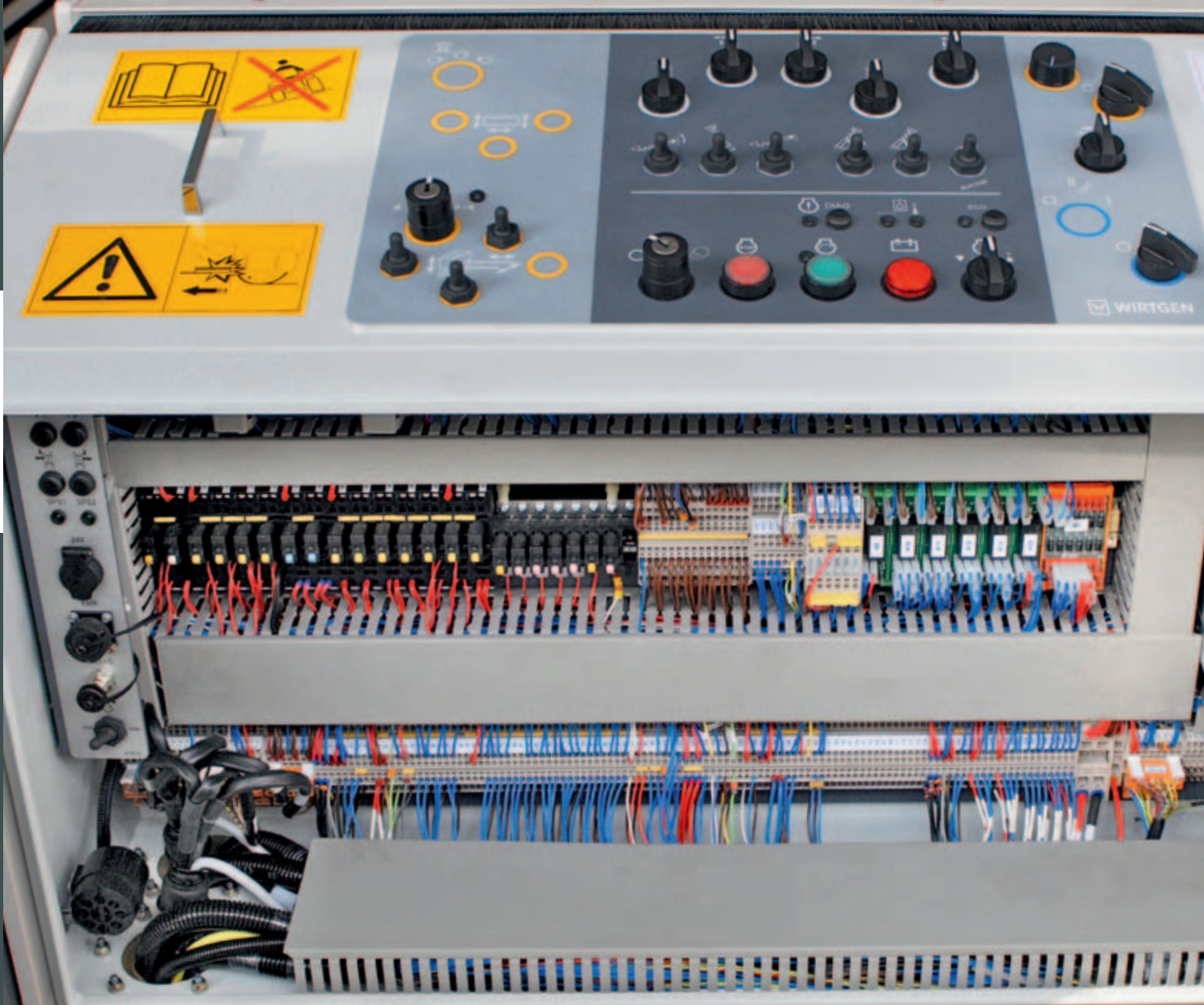




# Hidden intelligence.

YOU ARE IN COMMAND AT THE CONTROL PANEL OF THE SP 15/SP 15i WHILE OTHERS WORK IN THE BACKGROUND: INNOVATIVE CONTROL TECHNOLOGIES. DEVELOPED TO PRECISELY FIT YOUR SPECIFIC REQUIREMENTS, BASED ON OUR EXPERIENCE OF MANY DECADES IN THIS FIELD. TRIED-AND-TESTED TECHNOLOGIES. AUTONOMOUS, ALWAYS WIDE AWAKE. HIDDEN CO-PILOTS THAT ENSURE EASE OF OPERATION. THAT ARE PROACTIVE, MANAGE, ECONOMIZE AND BOOST PERFORMANCE. WHILE YOU CAN FULLY FOCUS ON ACHIEVING WORK RESULTS OF THE HIGHEST QUALITY. IT ALL ADDS UP.





*Software developed in-house ensures high operational reliability.*

## Faultless operation - whatever the job

### SOFTWARE AND HARDWARE

The SP 15/SP 15i slipform paver is fitted with an integrated machine management system of the highest quality. The large proportion of software developed in-house plays a decisive role as we have focused on continuously improving the software, which has the added effect of significantly increasing the operational reliability of the machine. In addition, our many years of experience in software and hardware development allow for higher and more flexible functionality in terms of the paver's range of applications and meeting individual customer requirements.

Efficient engine control is part of the machine management system. WIDIAG, the diagnostic system with standardized interface, is used by WIRTGEN service engineers for quick, targeted service diagnostics right on site. In addition, the WIRTGEN WITOS FleetView telematics system supports fleet management, machine position and status monitoring, as well as maintenance and diagnostic procedures. In short: it is yet another key driver for improved efficiency in day-to-day operation.





1-2 | The machine's superior steering system ensures full straight-ahead stability as well as precise steering in bends.

3 | The track units are fitted with separate valves to ensure precise height adjustment and steering control.



# Precise driving behaviour – whatever the job

## PRECISION IN CONCRETE PAVING GUARANTEED

The SP 15/SP 15i features an intelligent electronic steering and control system which offers everything it takes for precise driving behaviour and thus high-precision concrete paving. The slipform paver plays its trumps in particular when working in bends where the tried-and-tested Ackermann steering system ensures highly precise driving behaviour and highest concrete quality. The computer-controlled steering system varies the speed of the individual track units when driving in bends, thus enabling the SP 15/SP 15i to follow the previously defined references with pinpoint accuracy. In addition, the steering angles of the track units are adjusted fully automatically in accordance with the radius to be paved and the paver geometry. A truly unique feature!

1 | *In stringless operation, the SP 15/SP 15i enables a minimum radius of 500 mm.*

In bends, the SP 15/SP 15i enables profiles to be produced with a minimum radius of no more than 500 m. Highly precise drive motor control prevents jerky driving even when working at minimum speed. The control system prevents spinning of the track units when driving in bends, maintaining optimum traction.

Repositioning and manoeuvring of the slipform paver is easy thanks to the additional crab and coordinated steering modes.



1 |



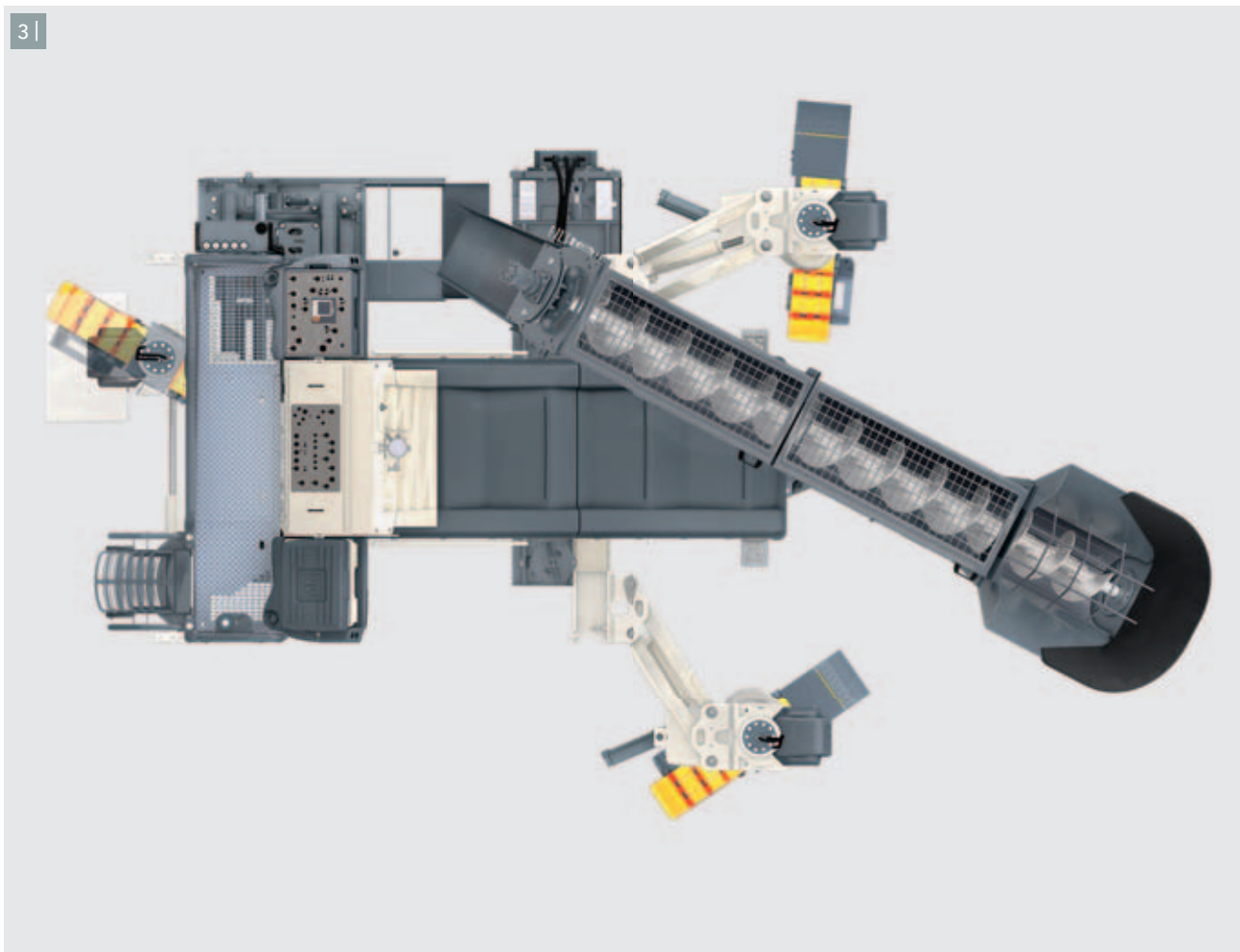
2 |



2 | Control panel with different steering mode settings for manoeuvring.

3 | Automatic adjustment of the steering angles and speed of the individual track units to the paver's geometry.

3 |





# State-of-the-art engine technology

## ECONOMICAL DIESEL ENGINE CONTROL

Fuel consumption of the SP 15/SP 15i is reduced to a minimum by the integrated ECO mode diesel engine control. Following activation of the ECO mode, the engine speed is adjusted to the paver's performance requirements automatically. The engine operates at low speed in case of low machine advance rates, its speed increasing accordingly at higher advance rates. High or maximum engine speeds are only required at high advance rates or when operating vibrators or a trimmer. The ECO mode recognizes each working situation without the need for manual operator intervention and optimizes the engine speed in accordance with the required machine functions.

1 | *Thanks to the ECO mode engine control, the powerful engine installed in the SP 15/SP 15i always works in the optimum performance and torque ranges.*

The paver's demand-based engine management guarantees low fuel consumption, low noise emission levels and low operating costs.

The engine technology installed in the SP 15 complies with the exhaust emission standards of EC Stage 3a/US Tier 3 or lower. The SP 15i features state-of-the-art engine technology for lowest environmental emission levels which complies with the stringent specifications of exhaust emission standards EC Stage 3b/US Tier 4i.

1 |





2 |



2 | *ECO mode engine control guarantees low fuel consumption rates.*

3 | *Manual activation of the ECO mode.*



3 |





# AutoPilot – efficient, stringless machine control system

22  
23

## WORK MORE EFFECTIVELY

The use of common 3D machine control systems for the production of poured-in-place concrete profiles is often not commercially viable especially for small contracting companies. This is mostly due to the level of technical support required in day-to-day operation and to the need to use digital modelling data. We at WIRTGEN provide our customers with the AutoPilot, an innovative and economical alternative system developed in-house which eliminates the above mentioned disadvantages. The GNSS-based system has been precisely tailored for use with the SP 15/SP 15i and assists with the automated paving of a wide variety of different profile configurations, such as safety barriers on motorways or kerbs for traffic islands.

1 | *The WIRTGEN AutoPilot guarantees high-precision paving right from the very first metre.*

The system requires uninterrupted transmission of signals from a sufficiently large number of satellites and proficient use of the Field Rover prism pole. Relevant site positions are taught-in via the Field Rover's software, which has been developed in-house. These are then used to compute a virtual stringline optimized for the slipform paving technology. The specifications produced using this method are transmitted to and immediately carried out by the machine. The operator remains in full control, however, and can intervene in the autonomous paving process whenever necessary. The system offers the major advantage of dispensing with time-consuming surveying operations, the installation and removal of stringline or the preparation of a geodetic data model.

1 |





2 |



2 | The control screen provides a clear overview of current machine and system parameters.

3 | The Field Rover is used to collect measuring points and perform final inspection.







*Acceptance procedures specific to WIRTGEN guarantee high safety of use of the different 3D control systems.*

## High-precision 3D control

### PAVING MADE-TO-MEASURE PROFILES

Stringless control systems will drive the future of professional concrete paving. In addition to ensuring high paving accuracy, 3D control systems offer yet another major advantage: establishing the digital terrain models is much

more cost-effective than surveying and the installation of stringline. The SP 15/SP 15i is all set for the job: an integrated standard interface enables it to be fitted with a state-of-the-art 3D control system quite easily.

In thorough acceptance procedures, we have tested the compatibility of the SP 15/SP 15i with the 3D control systems of leading suppliers, thus ensuring safety of use. In addition, our own experts are working on continuously improving and perfecting the systems.

*Tried-and-tested, integrated standard interface for 3D control systems.*





# Second-to-none slope control feature

## ENSURING PERFECT PAVING QUALITY

Perfect paving results are guaranteed thanks to the electronic slope control developed by WIRTGEN on the basis of the "Rapid Slope" cross slope sensor.

Optimized control technology enables the innovative slope control system to achieve as yet unmatched dynamics and precision. Significantly shorter machine response times are reflected in the precision and quality of the completed concrete product.

The WIRTGEN cross slope system can be relied on to quickly level out any vibrations or ground irregularities.

*Cross slope specifications are adhered to with pinpoint precision.*









# Fully equipped for mastering the difficult jobs.



EVERYDAY CHALLENGES IN CONCRETE PAVING OPERATIONS: FIXED OBSTACLES, RESTRICTED SPACE. DIFFICULT GROUND CONDITIONS, PROBLEMATIC CONCRETE SUPPLY. THE INNOVATIVE WIRTGEN SP 15 / SP 15i RISES TO MEET THEM ALL WITH INDIVIDUAL, HIGH-PERFORMANCE SOLUTIONS. OFFERING UNRIVALLED FLEXIBILITY TO ADJUST TO THE MOST DIFFERENT SITE CONDITIONS. WITH THE FULLY MODULAR MACHINE DESIGN, FOR EXAMPLE, OR THE FLEXIBLE MOULD SYSTEM. PROFESSIONAL FEATURES MAKING EVERY JOB A SUCCESS. WITH THE SP 15 / SP 15i, ALL'S RIGHT WITH THE CONSTRUCTION WORLD.





*Three steerable track units enable the paver to elegantly turn on its own axis.*

## Machine stability even in the toughest of jobs

### **MACHINE FRAME OFFERING MODULAR ADAPTABILITY**

Seasoned slipform paver operators appreciate reliable adaptability of their machine to difficult site conditions. The SP 15/SP 15i has a fully modular machine design. As a result, its track units offer extremely flexible adjustment options to always ensure perfectly stable operation of the small slipform paver. Both the paving mould and concrete feeding system can be adjusted to specific site conditions in accordance with requirements. In addition, the SP 15/SP 15i can be easily modified, and complementary components can be added to cater to complex customer-specific applica-

tions. Customer options can also be retrofitted at any time using the standard interfaces incorporated in the machine.

The two front track units can be hydraulically pivoted about wide angles to allow full adjustment to site conditions. Flexibility on site is enhanced even further by the paver's mechanically or hydraulically movable rear track unit.





1 | The rear track unit can be telescoped in horizontal direction ...

2 | ... to run as close as possible to the paving profile, thus ensuring high machine stability.

3 | At the mere flick of a switch, the track width of the two front track units can be adjusted via telescoping pivoting legs.





11

**1 + 4** | The SP 15/ SP 15i is optionally equipped with a belt or auger conveyor.

# Continuous concrete feed to ensure high daily outputs

## FLEXIBILITY IS THE KEY

Reliable, uniform feeding of concrete from the mixer truck into the paving mould is one of the key criteria for the successful paving of poured-in-place profiles. To ensure that this requirement is met, the SP 15/SP 15i is optionally equipped with an auger conveyor, belt conveyor or hydraulically folding belt conveyor to shorten the transport length. All of these feeding systems offer flexible hydraulic adjustment to specific site conditions: in longitudinal direction, in their angle of incline and about a slewing angle to feed the mould on the left or right side of the paver. Compared to the belt conveyor, the auger

conveyor can be adjusted to much steeper inclines of up to 45 degrees. In addition, the auger conveyor can also act as a useful buffer, offering capacity for large concrete volumes.

As the auger conveyor is capable of holding large quantities of concrete, paving can continue even between concrete mixer loads. Marks in favour of the belt conveyor are its high conveying speed, good accessibility and quick and easy cleaning.





2 |



3 |

2 | Hydraulic cylinders enable the conveyor to be slewed as well as adjusted in longitudinal position and incline.

3 | Concrete discharge: the solid-rubber or steel chute can be positioned precisely above the hopper of the paving mould.



4 |



# Positioning the paving mould exactly as required

## MOUNTED ON THE RIGHT OR LEFT SIDE

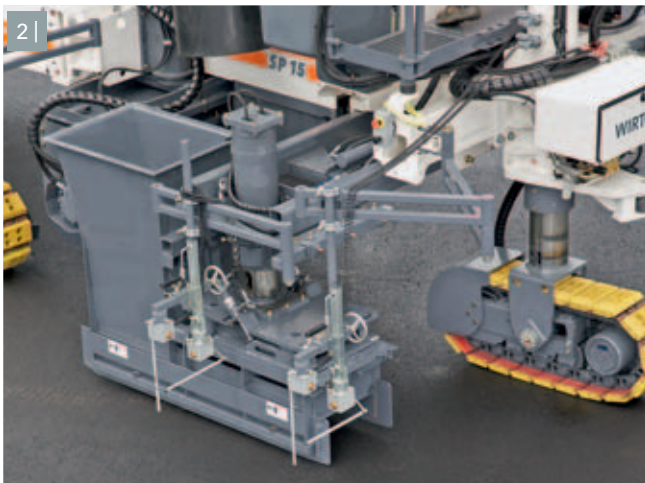
The SP 15/SP 15i guarantees maximum flexibility regardless of the job to be completed. To fully respond to specific site conditions, the paving mould can be mounted on the right or left side of the paver. This versatility keeps traffic disruptions to a minimum because the SP 15/SP 15i and the mixer truck always “go with the flow”.

**1-2** | *The mould can be telescoped hydraulically by up to 700 mm.*

**3** | *The quick-change mould-mounting system enables paving moulds to be changed quickly right on the construction site.*

A hydraulically telescoping mould mount enables the mould to be moved in horizontal direction, thus allowing profiles to be paved either within or outside the dimensions of the machine. Height adjustment is effected via the lifting columns, enabling a maximum profile paving height of 1,300 mm, which is unrivalled in this performance class.

The hydraulically operated quick-change mould-mounting system enables kerb and gutter profiles to be changed quickly and with only little effort.





4 |



5 |



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

5 | The mould can be mounted on the left or right - modification is completed within an extremely short time.



# Perfect preparation of the base using a trimmer unit

1 | The trimmer offers various adjustment options via hydraulic cylinders.

2 | The trimmer fine-grades the previously compacted ground ...



## EVEN BASE FOR A PERFECT PAVING PROCESS

The design of the trimmer unit is based on the unmatched expertise gained in several decades of experience in milling technology. The trimmer is fitted with cutting tools arranged in a helical pattern, fine-grading insufficiently level ground to ensure uniform profile paving. The trimmer is positioned right in front of the paving mould and can be adjusted in height and slope as well as telescoped to either side.

It has a basic width of 600 mm and can be extended in increments to a maximum width of 1,600 mm.

Customized solutions, such as trimmers conveying the material towards the periphery of the machine, can also be implemented.

... down to a working depth of up to 150 mm.







*Transport on a flatbed truck – tailored to fit!*

# The intelligent transport concept

## OPTIMIZED MACHINE DIMENSIONS

Excellent manoeuvrability and exceedingly compact dimensions enable quick loading and easy transport of the SP 15/SP 15i. Paving moulds with small profile widths need not be removed so that minimum effort is required to prepare the machine for transport.

With the mould in retracted position, the slipform paver complies with the maximum width permissible under applicable legislation. And when equipped with the folding belt conveyor, the SP 15/SP 15i can be transported with ease even on small transport vehicles.

**1** | Compact dimensions: in retracted position, the slender paving mould remains in place during transport.

**2** | In folding design, the belt conveyor can be folded hydraulically for transport.





# Technical specification

	SP 15	SP 15i
Range of applications	offset	
<b>Concrete feeding</b>		
Belt conveyor	length: 4,900 mm, belt width: 600 mm	
Belt conveyor, folding design (option)	length: 5,500 mm, belt width: 600 mm	
Auger conveyor (option)	length: 4,600 mm, auger diameter: 400 mm	
<b>Concrete mold</b>		
Arrangement	left / right	
Lateral adjustment of mold	700 mm	
Height adjustment of mold (option)	400 mm	
Max. mold height	1,300 mm*1	
Max. mold width	1,800 mm*1	
<b>Vibration</b>		
Connectors for hydraulic vibration	5	
Connectors for electric vibration (option)	5	
<b>Trimmer (option)</b>		
Standard width	600 mm	
Max. width	1,600 mm*2	
Working depth	0 - 150 mm	
Diameter with tools	500 mm	
Maximum lift	775 mm	
Height adjustment, hydraulic	400 mm	
Height adjustment, mechanical	375 mm	
Lateral adjustment of trimmer	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 min <sup>-1</sup>	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	23.7 l/h	24.8 l/h
Fuel consumption, field mix	10.6 l/h	11.1 l/h
Emission standards	EC Stage 3a / US Tier 3	EC Stage 3b / US Tier 4i
<b>Electrical system</b>		
Electrical power supply	24 V	

\*1 = Please consult factory for different offset geometries or special applications

\*2 = Please consult factory for special custom widths



	SP 15	SP 15i
<b>Filling capacities</b>		
Fuel tank	220 l	
Hydraulic fluid tank	220 l	
Water tank	220 l	
Additional water tank	290 l	
<b>Driving characteristics</b>		
Operating speed	0-15 m/min	
Travel speed	0-35 m/min	
<b>Crawler tracks</b>		
Number	3	
Arrangement	2 x front / 1 x rear	
Dimensions (L x W x H)	1,340 mm x 260 mm x 550 mm	
<b>Height adjustment of machine</b>		
Hydraulic height adjustment	1,000 mm	
Mechanical height adjustment	280 mm	
<b>Transport dimensions (L x W x H)<sup>*3</sup></b>		
Basic machine excluding concrete feeding system	5,400 mm x 2,400 mm x 2,650 mm	
Basic machine including belt conveyor	7,300 mm x 2,550 mm x 2,750 mm	
Basic machine including belt conveyor in folding design	6,700 mm x 2,550 mm x 2,950 mm	
Basic machine including 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	
Belt conveyor in folding design without chute	6,200 mm x 1,050 mm x 930 mm	
Auger conveyor without chute	5,100 mm x 1,150 mm 1,000 mm	
Trimmer	2,200 mm x 800 mm x 1,680 mm	
<b>Machine weights<sup>*4</sup></b>		
Empty weight of basic machine including belt conveyor	9,800 kg	
Operating weight, CE <sup>*5</sup> of basic machine including belt conveyor	10,350 kg	
Max. operating weight, full tanks, including trimmer, auger conveyor, excluding mold	12,950 kg	
Trimmer, working width 600 mm	1,100 kg	
Belt conveyor	850 kg	
Belt conveyor in folding design	920 kg	
Auger conveyor	1,300 kg	

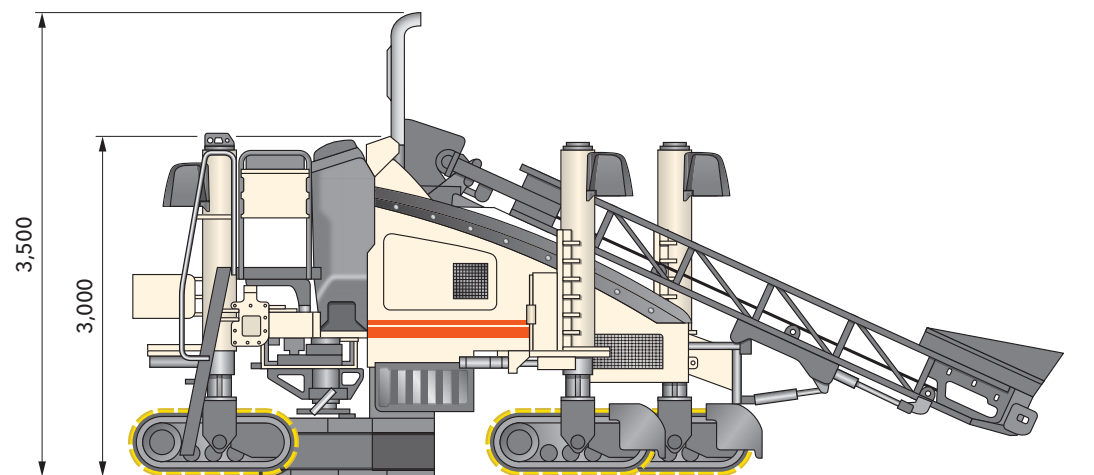
<sup>\*3</sup> = All specifications are minimum specifications without offset mold

<sup>\*4</sup> = Weights depend on the machine's range of equipment and working width

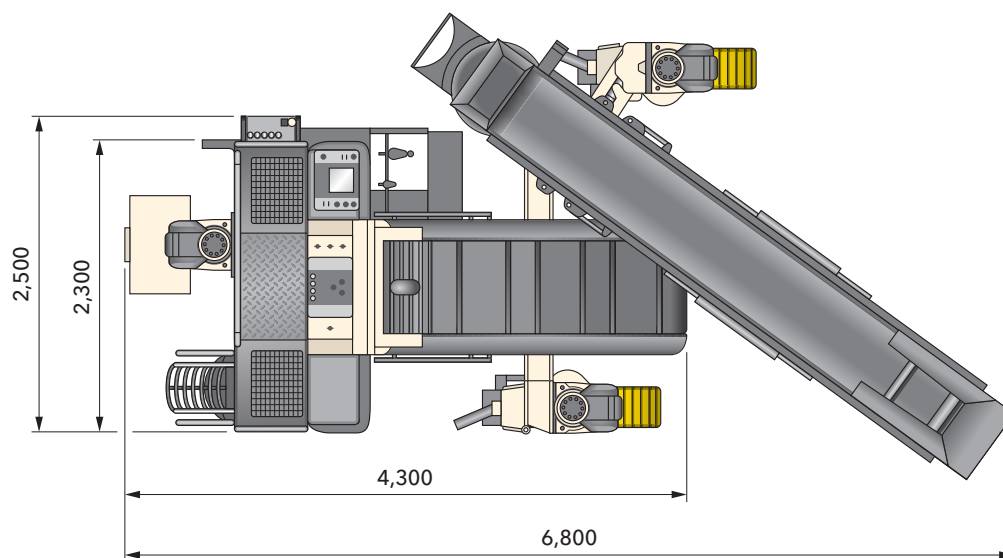
<sup>\*5</sup> = Weight of machine with half-full water tank, half-full fuel tank, driver (75 kg) and on-board tools



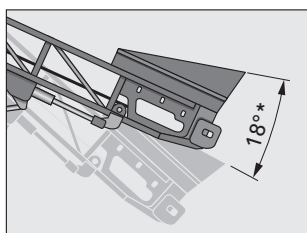
# Dimensions



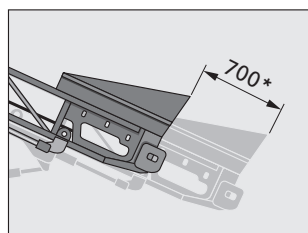
Working direction



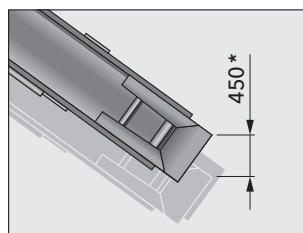
Tilt of belt conveyor



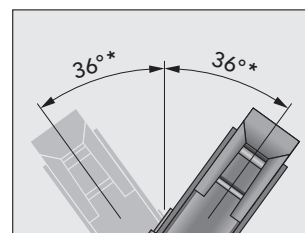
Slide of belt conveyor



Side shift of belt conveyor



Swing of belt conveyor

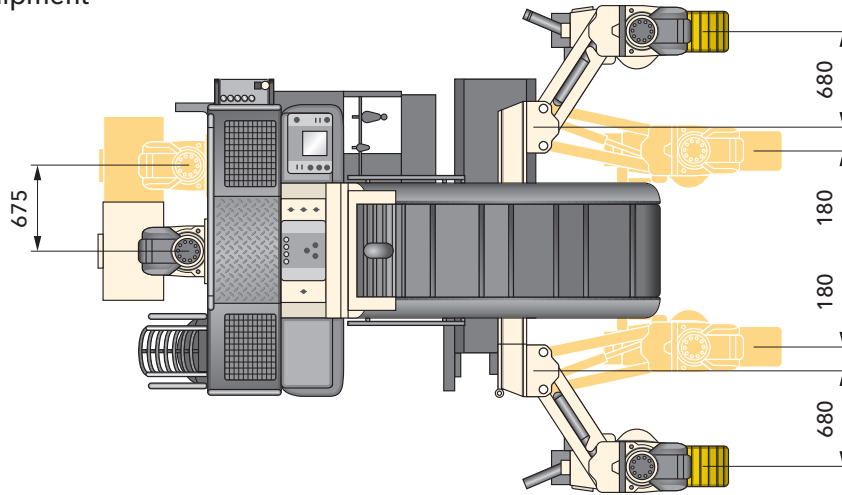


Dimensions in mm

\* = Details also applicable to auger conveyor



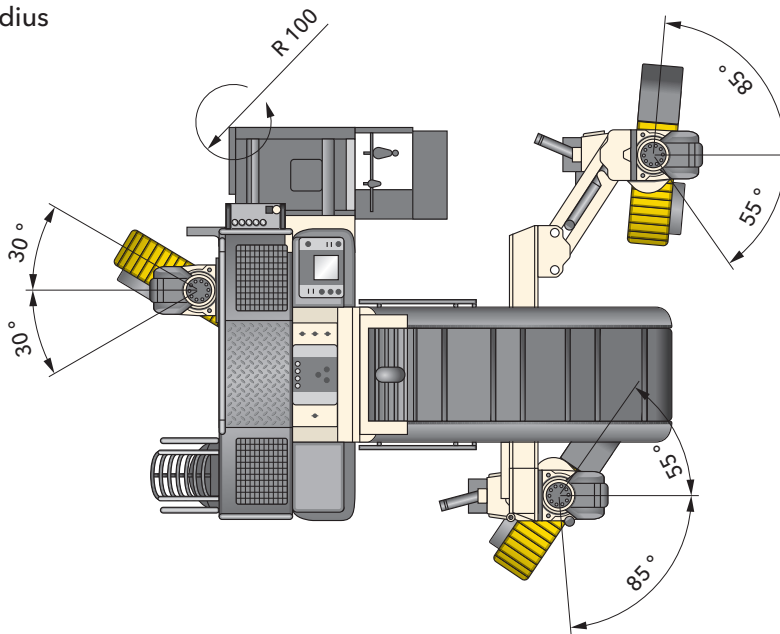
Arrangement of track units and optional equipment



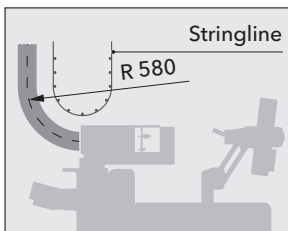
Working direction



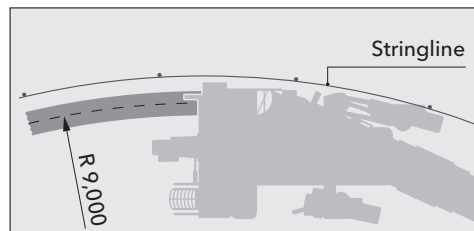
Maneuvering radius



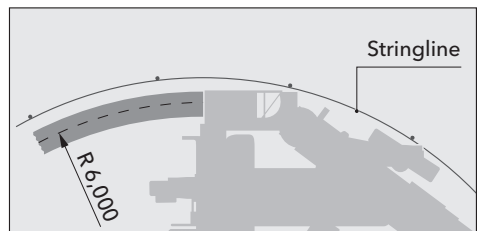
Pouring radius applicable in operation



Pouring radius when using stringline, offset mold fully retracted



Pouring radius when using stringline, offset mold fully telescoped





# Standard equipment

40  
41

	SP 15	SP 15i
<b>Base machine</b>		
220 l fuel tank	■	■
220 l hydraulic oil tank	■	■
Electrical system (24 V)	■	■
A hydraulic pump controlled according to the pressure and delivery flow, in the open circuit for driving the crawler units	■	■
A hydraulic pump controlled according to the pressure and delivery flow, in the open circuit for driving the hydraulic or electric vibrators	■	■
A pressure-controlled hydraulic pump in the open circuit for all cylinder functions	■	■
A proportionally controlled hydraulic pump, closed circuit, for driving the charging auger or belt conveyor	■	■
<b>Main frame and height adjustment</b>		
Sturdy machine frame for accommodating two crawler units at the front and one crawler unit at the rear	■	■
<b>Chassis unit and chassis unit connections</b>		
Three (3) hydraulically driven crawler units, 1.34 m long; transmission ratio 1:42; including device for towing away	■	■
Infinitely variable paving speed from 0-15 m/min	■	■
Infinitely variable transport speed from 0-35 m/min	■	■
Three levelling cylinders with 1 m stroke	■	■
The rear crawler unit can be moved along the rear suspension in order to select the most favourable position for the particular application	■	■
Version with one rigid and one slewing front crawler unit connection (parallelogram arm)	□	□
Three tracks with steel triple grousers	□	□

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



	SP 15	SP 15i
<b>Machine control and levelling and steering</b>		
Digital control system with LCD display which displays all necessary information for the user on a menu and allows parameter settings, e.g. free choice of languages (D/GB/F/E/NL)	■	■
Proportional electrohydraulic levelling and steering by PLC system including two (2) levelling sensors, two (2) steering sensors and one (1) slope sensor	■	■
Sensor mountings, adjustable in height and range	■	■
<b>Vibration</b>		
Hydraulic vibrator drive for up to 5 vibrators	□	□
2x straight vibrators D66, hydraulically driven	□	□
<b>Concrete spreading for offset</b>		
Belt conveyor 4.90 m x 0.60 m, with reversible hydraulic drive, hydraulically adjustable	□	□
Steel chute	□	□
<b>Concrete equipment for offset paving</b>		
The offset paving moulds can be attached to the left or right side of the machine	■	■
The suspension can be telescoped outwards by 0.70 m per side	■	■
Offset paving mould up to 0.60 m wide (max. 0.40 m tall). (Note form TEI#2170960)	□	□
<b>Others</b>		
Water tank with 220 l capacity and additional water tank with 290 l capacity	■	■
European type test certificate, Euro Test-mark and CE conformity	■	■
Paint standard cream white RAL 9001	□	□
Lighting package with 3 halogen spotlights, 24 V	□	□

■ = Standard equipment

□ = Standard equipment, replaceable with optional equipment

□ = Optional equipment



# Optional equipment

42  
43

	SP 15	SP 15i
<b>Chassis unit and chassis unit connections</b>		
Version with one rigid (spacer piece) and one slewing front crawler unit connection (parallelogram arm)	<input type="checkbox"/>	<input type="checkbox"/>
Two slewing front crawler units (parallelogram arms)	<input type="checkbox"/>	<input type="checkbox"/>
Three tracks with polyurethane track pads	<input type="checkbox"/>	<input type="checkbox"/>
Hydraulic movement option for the rear crawler unit	<input type="checkbox"/>	<input type="checkbox"/>
<b>Machine control and levelling and steering</b>		
Slab tracer, 2 pcs	<input type="checkbox"/>	<input type="checkbox"/>
Third height and steering sensor for tight cornering	<input type="checkbox"/>	<input type="checkbox"/>
Pre-equipment for 3D levelling	<input type="checkbox"/>	<input type="checkbox"/>
<b>Vibration</b>		
Electrical vibrator drive with 10 kVA generator for up to 5 vibrators	<input type="checkbox"/>	<input type="checkbox"/>
2x bended vibrators D66, hydraulically driven	<input type="checkbox"/>	<input type="checkbox"/>
2x straight vibrators D66, electrically driven	<input type="checkbox"/>	<input type="checkbox"/>
2x bended vibrators D66, electrically driven	<input type="checkbox"/>	<input type="checkbox"/>
Straight vibrator D66, hydraulically driven	<input type="checkbox"/>	<input type="checkbox"/>
Bended vibrator D66, hydraulically driven	<input type="checkbox"/>	<input type="checkbox"/>
Straight vibrator D66, electrically driven	<input type="checkbox"/>	<input type="checkbox"/>
Bended vibrator D66, electrically driven	<input type="checkbox"/>	<input type="checkbox"/>
<b>Concrete spreading for offset</b>		
Belt conveyor 5.50 m x 0.60 m, folding, with reversible hydraulic drive, completely hydr. 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	<input type="checkbox"/>	<input type="checkbox"/>
<b>Concrete equipment for offset paving</b>		
1 set of hydraulic components for telescoping the offset paving mould suspension	<input type="checkbox"/>	<input type="checkbox"/>
Height adapter, for split offset paving moulds	<input type="checkbox"/>	<input type="checkbox"/>
Height-adjustable suspension with 0.4 m stroke for split offset paving moulds	<input type="checkbox"/>	<input type="checkbox"/>
Hydraulic quick-change system for offset paving mould	<input type="checkbox"/>	<input type="checkbox"/>
Additional adapter plate for quick-change system	<input type="checkbox"/>	<input type="checkbox"/>
Offset paving mould from 0.60 m - 1.20 m wide (max. 0.40 m tall). (Note form TEI#2170960)	<input type="checkbox"/>	<input type="checkbox"/>
Offset paving mould from 1.20 m - 1.80 m wide (max. 0.40 m tall). (Note form TEI#2170960)	<input type="checkbox"/>	<input type="checkbox"/>
Offset mould up to 0.90 m tall (max. 0.60 m base width), incl. hopper. (Note form TEI#2170960)	<input type="checkbox"/>	<input type="checkbox"/>
Offset mould up to 1.20 m tall (max. 0.60 m base width), incl. hopper. (Note form TEI#2170960)	<input type="checkbox"/>	<input type="checkbox"/>
Split offset paving mould up to 0.60 m wide (max. 0.40 m tall). (Note form TEI#2170960)	<input type="checkbox"/>	<input type="checkbox"/>
Split offset paving mould from 0.60 m - 1.20 m wide (max. 0.40 m tall). (Note form TEI#2170960)	<input type="checkbox"/>	<input type="checkbox"/>

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

	SP 15	SP 15i
<b>Concrete equipment for offset paving</b>		
Lower part for offset paving mould of a split moulds up to 0.60 m wide (max. 0.40 m tall)	<input type="checkbox"/>	<input type="checkbox"/>
Lower part for offset paving mould of a split moulds from 0.60 m to 1.20 m wide (max. 0.40 m tall)	<input type="checkbox"/>	<input type="checkbox"/>
1 set of hydraulic components for adjusting the sideplate of EV offset moulds	<input type="checkbox"/>	<input type="checkbox"/>
1 set of hydraulic components for adjusting the sideplate of AV offset moulds	<input type="checkbox"/>	<input type="checkbox"/>
<b>Offset Trimmer</b>		
Trimmer, basic width, 0.60 m, left-hand mounting	<input type="checkbox"/>	<input type="checkbox"/>
Trimmer, basic width, 0.60 m, right-hand mounting	<input type="checkbox"/>	<input type="checkbox"/>
Trimmer - extension, 0.20 m wide, left-hand mounting	<input type="checkbox"/>	<input type="checkbox"/>
Trimmer - extension, 0.40 m wide, left-hand mounting	<input type="checkbox"/>	<input type="checkbox"/>
Trimmer - extension, 0.20 m wide, right-hand mounting	<input type="checkbox"/>	<input type="checkbox"/>
Trimmer - extension, 0.40 m wide, right-hand mounting	<input type="checkbox"/>	<input type="checkbox"/>
<b>Operator's stand</b>		
Weather umbrella for operator's stand	<input type="checkbox"/>	<input type="checkbox"/>
<b>Others</b>		
Paint in one special colour (RAL)	<input type="checkbox"/>	<input type="checkbox"/>
Paint in two special colours (RAL)	<input type="checkbox"/>	<input type="checkbox"/>
Paint in maximum two special colours with substructure in special colour (RAL)	<input type="checkbox"/>	<input type="checkbox"/>
High-performance lighting package with 3 LED working lights, 24 V	<input type="checkbox"/>	<input type="checkbox"/>
High pressure cleaner	<input type="checkbox"/>	<input type="checkbox"/>
Autopilot system (867-871 MHz) with field rover	<input type="checkbox"/>	<input type="checkbox"/>
Autopilot system (902-928 MHz) with field rover	<input type="checkbox"/>	<input type="checkbox"/>
Laser transmitter including stand	<input type="checkbox"/>	<input type="checkbox"/>
Laser receiver	<input type="checkbox"/>	<input type="checkbox"/>
Ultrasonic sensor	<input type="checkbox"/>	<input type="checkbox"/>
Total station Leica iCON robot 50 for Autopilot	<input type="checkbox"/>	<input type="checkbox"/>
Wire tensioning system, complete with 1,000 m steel wire	<input type="checkbox"/>	<input type="checkbox"/>
Second tensioning winch for levelling the machine using two wire ropes	<input type="checkbox"/>	<input type="checkbox"/>
Wire tensioning system, complete with 4x 300 m nylon rope	<input type="checkbox"/>	<input type="checkbox"/>
Radius kit, fibreglass rod as guide wire replacement on corners with different radii	<input type="checkbox"/>	<input type="checkbox"/>
WITOS FleetView telematics system incl. 3-year operating period (EU)	–	<input type="checkbox"/>
WITOS FleetView telematics system incl. 3-year operating period (USA)	–	<input type="checkbox"/>
WITOS FleetView telematics system incl. 3-year operating period - PROMOTION	–	<input type="checkbox"/>
Daily rate for startup	<input type="checkbox"/>	<input type="checkbox"/>

■ = Standard equipment

■ = Standard equipment, replaceable with optional equipment

□ = Optional equipment





WIRTGEN GmbH  
Reinhard-Wirtgen-Str. 2 · 53578 Windhagen · Germany  
Phone: +49 (0)26 45/131-0 · Fax: +49 (0)26 45/131-392  
Internet: [www.wirtgen.com](http://www.wirtgen.com) · E-Mail: [info@wirtgen.com](mailto:info@wirtgen.com)

