

Versatile, high-quality paving of monolithic profiles.

# SP 15i Slipform Paver



US RELEASE

# Highlights of the SP 15i Slipform Paver

02  
03

## 2 | 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.

## 1 | 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. Paving widths of up to 7 ft 3 in (2.2 m) possible.

## 10 | SOPHISTICATED TRANSPORT CONCEPT

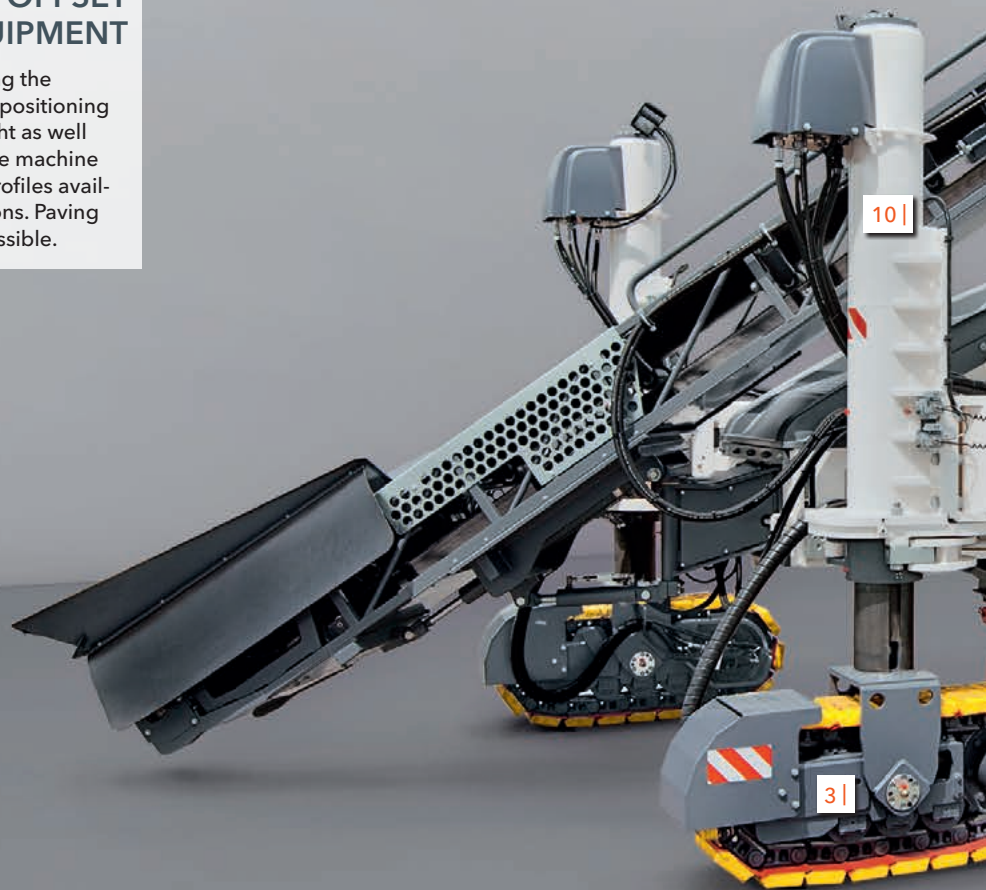
Compact machine dimensions for easy transport.

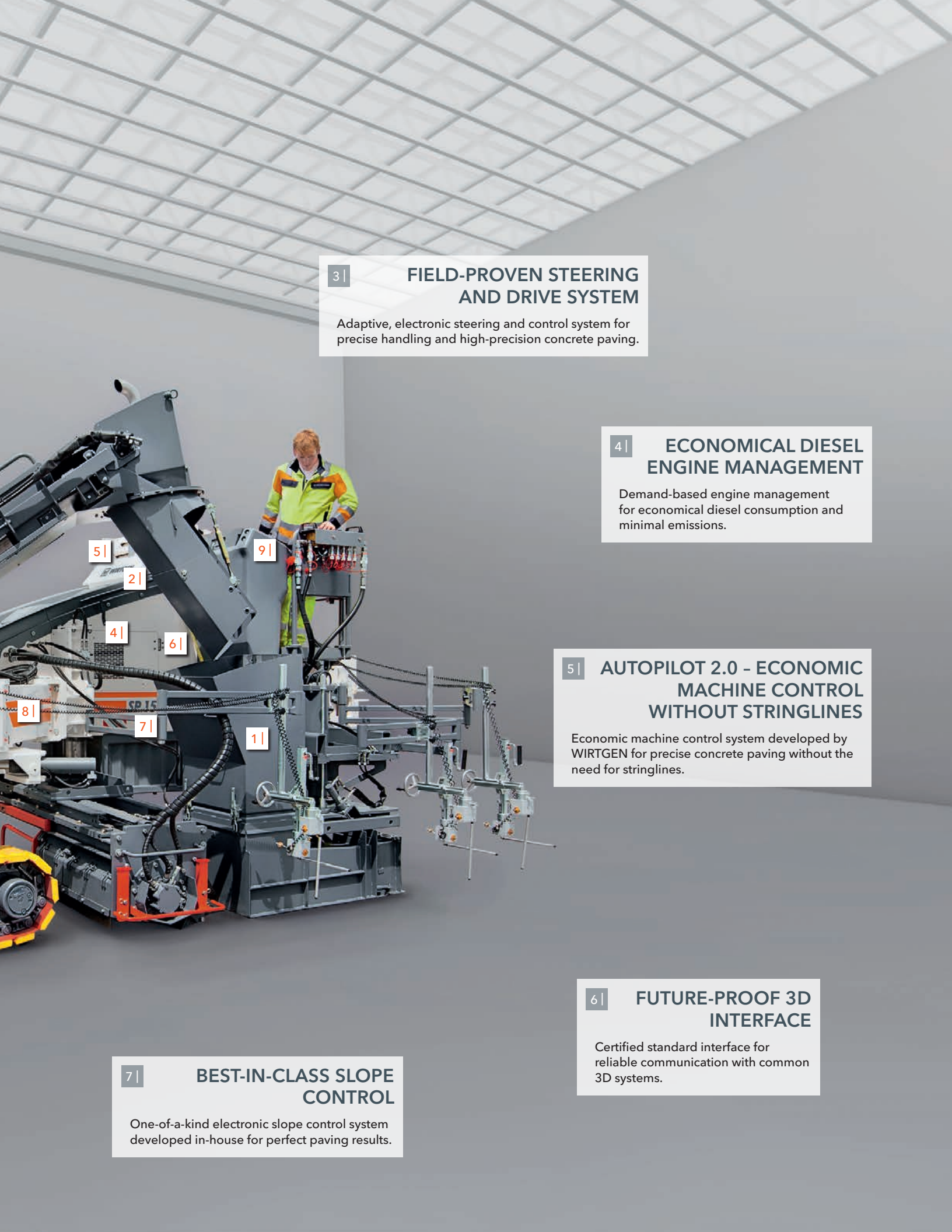
## 9 | EASY OPERATION

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

## 8 | MODULAR CONVERTIBILITY

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





3 |

### FIELD-PROVEN STEERING AND DRIVE SYSTEM

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

4 |

### ECONOMICAL DIESEL ENGINE MANAGEMENT

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

5 |

### AUTOPILOT 2.0 - ECONOMIC MACHINE CONTROL WITHOUT STRINGLINES

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

6 |

### FUTURE-PROOF 3D INTERFACE

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

7 |

### BEST-IN-CLASS SLOPE CONTROL

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

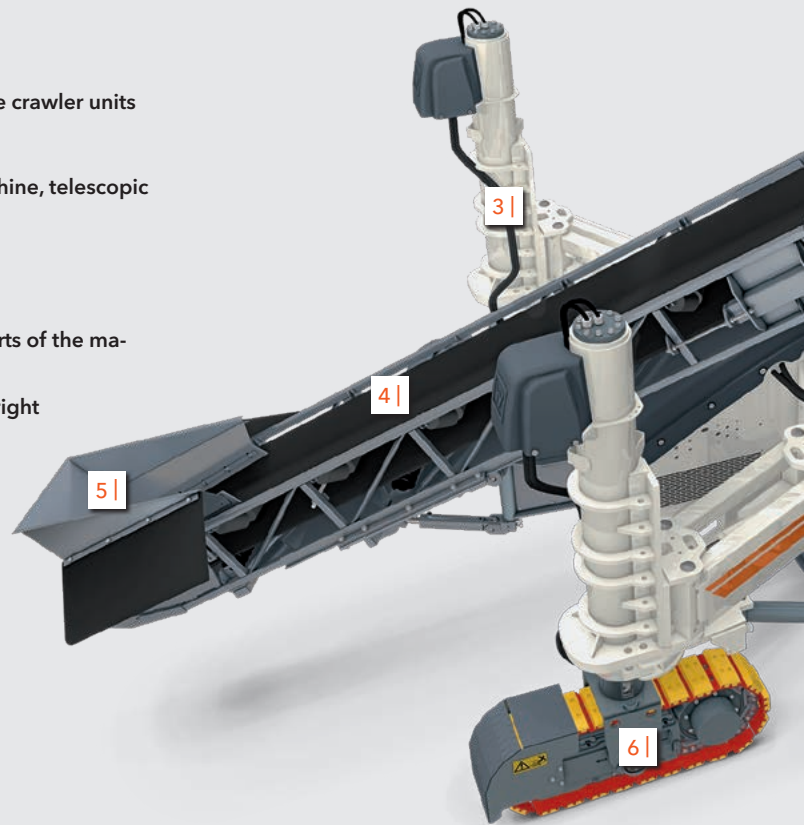




# A New Level of Cost-Effectiveness

The WIRTGEN SP 15i slipform paver. With technical sophistication, customer-specific solutions, innovative machine technologies - and efficient multifunctionality. The compact machine stands out for its unmatched versatility when paving high-quality offset concrete profiles. The SP 15i - unmistakably WIRTGEN. Undeniably a champion.

- 1 | Flexible chute made of either steel or rubber
- 2 | Swing arms for tailoring the crawler units to job site conditions
- 3 | Lifting column with hydraulic cylinder for crawler unit height adjustment
- 4 | Versatilely adjustable concrete feeding system, optionally available as a belt or auger conveyor
- 5 | Receiving hopper for delivered concrete
- 6 | Hydraulically powered, separately steerable and height-adjustable crawler units
- 7 | Height-adjustable and laterally telescoping trimmer
- 8 | Offset mold, can be mounted on the left and right side of the machine, telescopic on both sides
- 9 | 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



# An Unbeatable Performance Package

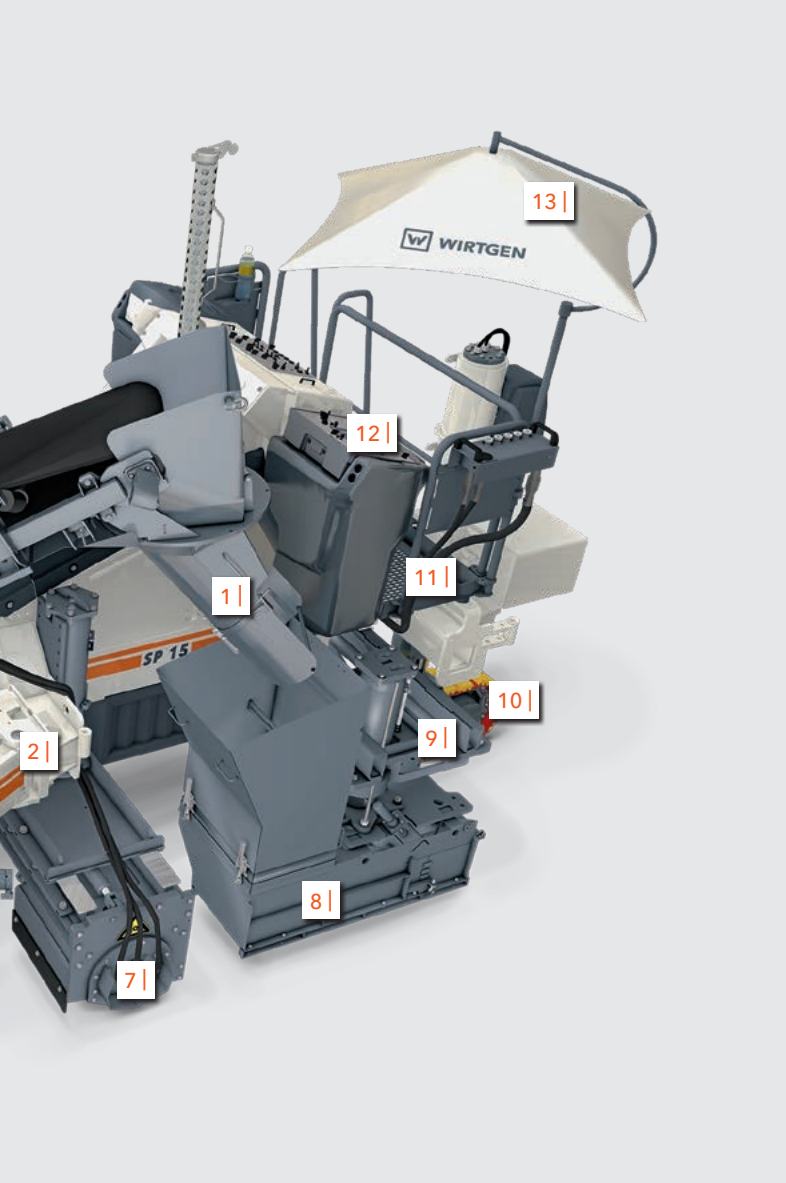
## PAVING WIDTHS UP TO AN IMPRESSIVE 7 FT 3 IN (2.2 M)

As a multifunctional machine for offset concrete paving, the SP 15i can hold its own in any comparison. It is perfect for both the production of monolithic profiles up to 4 ft 3 in (1.3 m) in height as well as for paving surfaces up to 7 ft 3 in (2.2 m) in width (cannot be combined with all options). 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 15i to be optimally adapted to the respective job site conditions and significantly increases productivity.

The SP 15i 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.



**1** | Paving a shoulder strip on a slope.

**2** | Paving curves to the exact millimeter is an easy task with the SP 15i.



1 |

# Outstanding Machine Utilization Thanks to a Variety of Applications

## THE SP 15i IN ACTION

The SP 15i can easily pave large monolithic concrete profiles of up to 4 ft 3 in in height (1.3 m) or up to 7 ft 3 in in width (2.2 m) - 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 15i can easily complete a variety of different tasks on several job sites in a single workday. 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.

**1 |** Special "parapet" application for safety barriers that are extremely difficult to penetrate: both right-sided paving ...

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 15i's range of applications. The telescoping mold mountings further enhance the machine's adaptability, as does the fact that it can be optionally equipped with additional custom features.



2 | ... as well as left-sided paving of concrete safety barriers with continuous reinforcement.

3 | Producing foot-paths and bicycle paths up to 7 ft 3 in (2.2 m) wide - seen here with a modularly extendable mold



4 - 5 | Production of small and large water gutters.

6 | Precise production of curb/gutter profiles using AutoPilot 2.0.

7 | Paving a slot drain for rainwater drainage.





A man in a blue shirt and orange safety vest is operating a piece of machinery. A red hard hat is hanging on the side of the machine. A spotlight is mounted on top of the machine. The background is a clear blue sky.

# Whoever's Standing Here Is in Full Control

Working in a relaxed and comfortable manner and having everything in view is par for the course with the SP 15i. Clearly and ergonomically arranged controls provide you with important information at a glance. The intelligent visibility concept is also on board. With the SP 15i, you're always in command. Easy operation and maximum productivity become one.



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

# Greater Productivity through Stress-Free Operation

## 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 15i'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 op-

erational 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 15i perfectly and work extremely effectively after only a short time.

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



2 | The height of the convenient ladder can be adjusted manually.

3 | The control panel can be positioned on the right or left for maximum visibility.

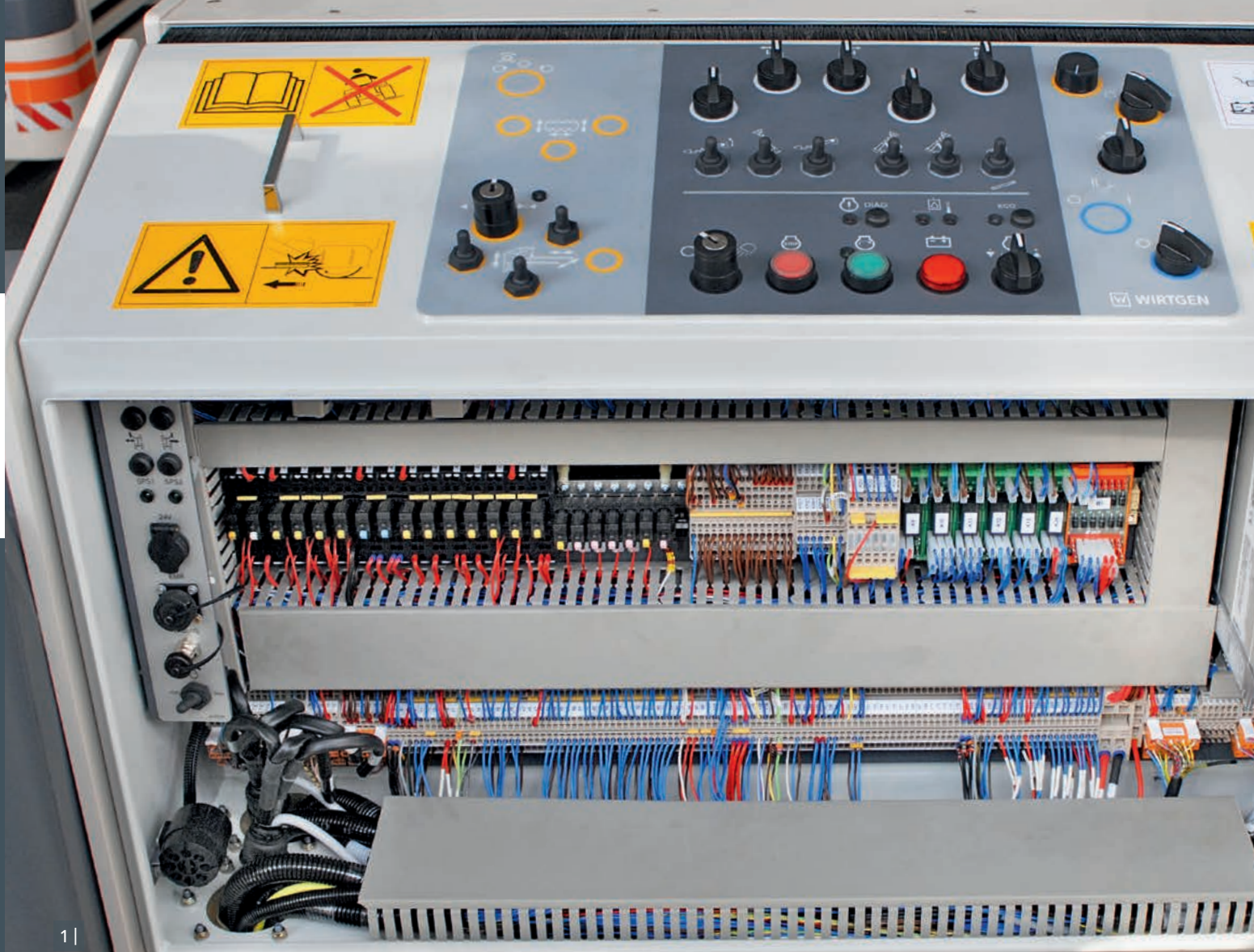
4 | The graphic display is situated in the middle of the clearly arranged control panel.





# Hidden Intelligence

You operate the SP 15i from the control panel while others operate in the background. Namely innovative control technologies, precisely developed for your special requirements, based on our decades of experience in this field. Proven technologies, automatic and always on alert. Hidden copilots that make your job easier, that think, manage, conserve, and increase performance so you are free to focus on producing results of the highest quality - every day, on every job site.



1 | Software developed in-house guarantees maximum operational safety.

# Flawless Operation in Every Application

## SOFTWARE AND HARDWARE

A high-quality machine control system is built into the SP 15i 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.



**2-3** | The high-quality machine control system ensures that the machine can travel both perfectly straight and precisely around curves.

**4** | Separate valves on all crawler units for high-precision control of height adjustment and steering.

# Precise Handling in Every Application

## HIGH-PRECISION CONCRETE PAVING GUARANTEED

Thanks to its intelligent electronic steering and control system, the SP 15i 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 15i 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!

**1** | The SP 15i is capable of paving within a radius of 19.7 in (500 mm) - or even tighter - without stringlines.

The SP 15i is capable of producing curved profiles with a minimum radius of only 1 ft 8 in (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.



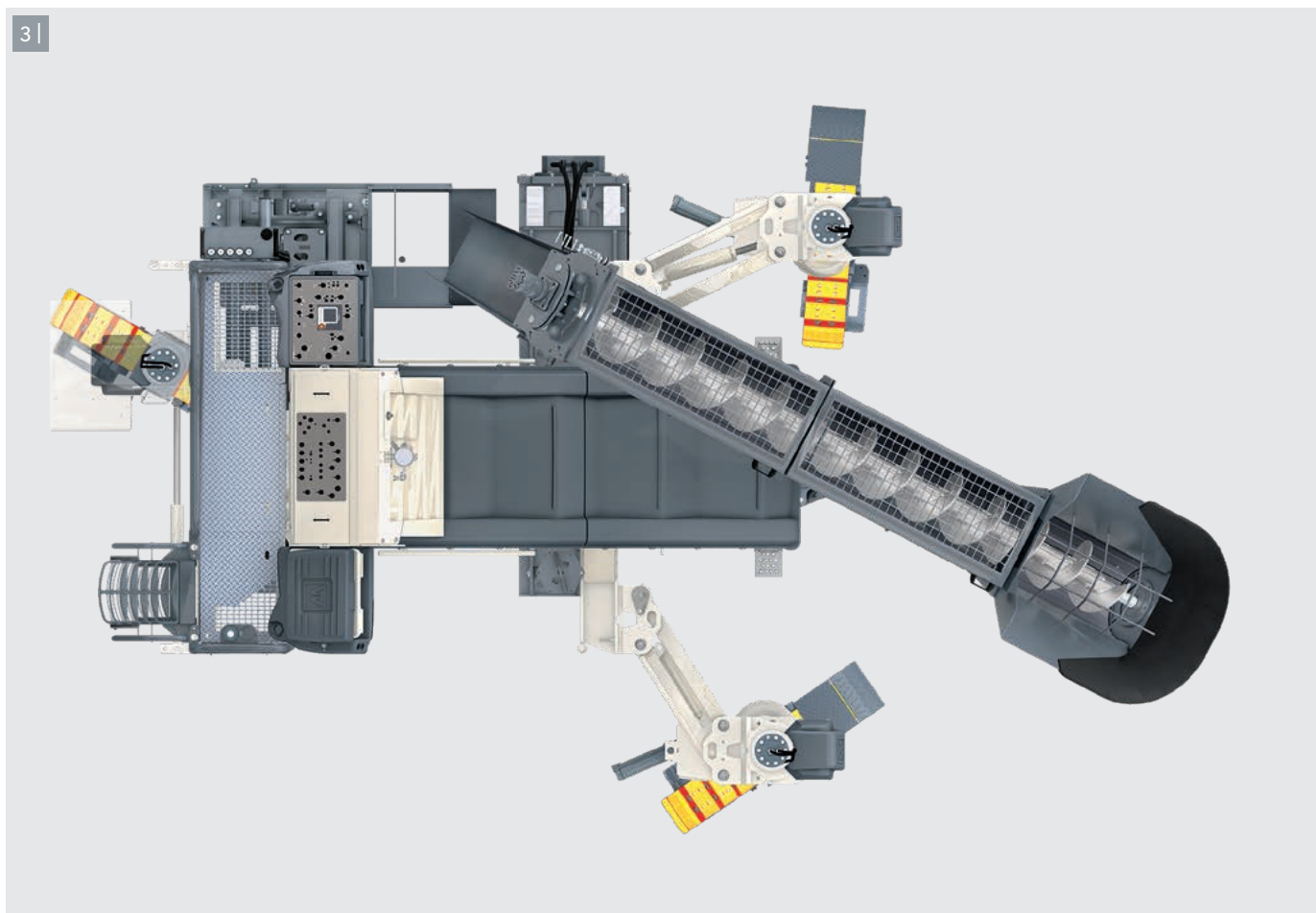
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2 | Control panel with various steering modes for maneuvering.

3 | Steering angles and speeds of the individual crawler units automatically adapted to the machine geometry.

3 |



# State-of-the-Art Engine Technology

## ECONOMICAL DIESEL ENGINE MANAGEMENT

The built-in diesel engine management system - ECO mode - reduces the SP 15i'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.

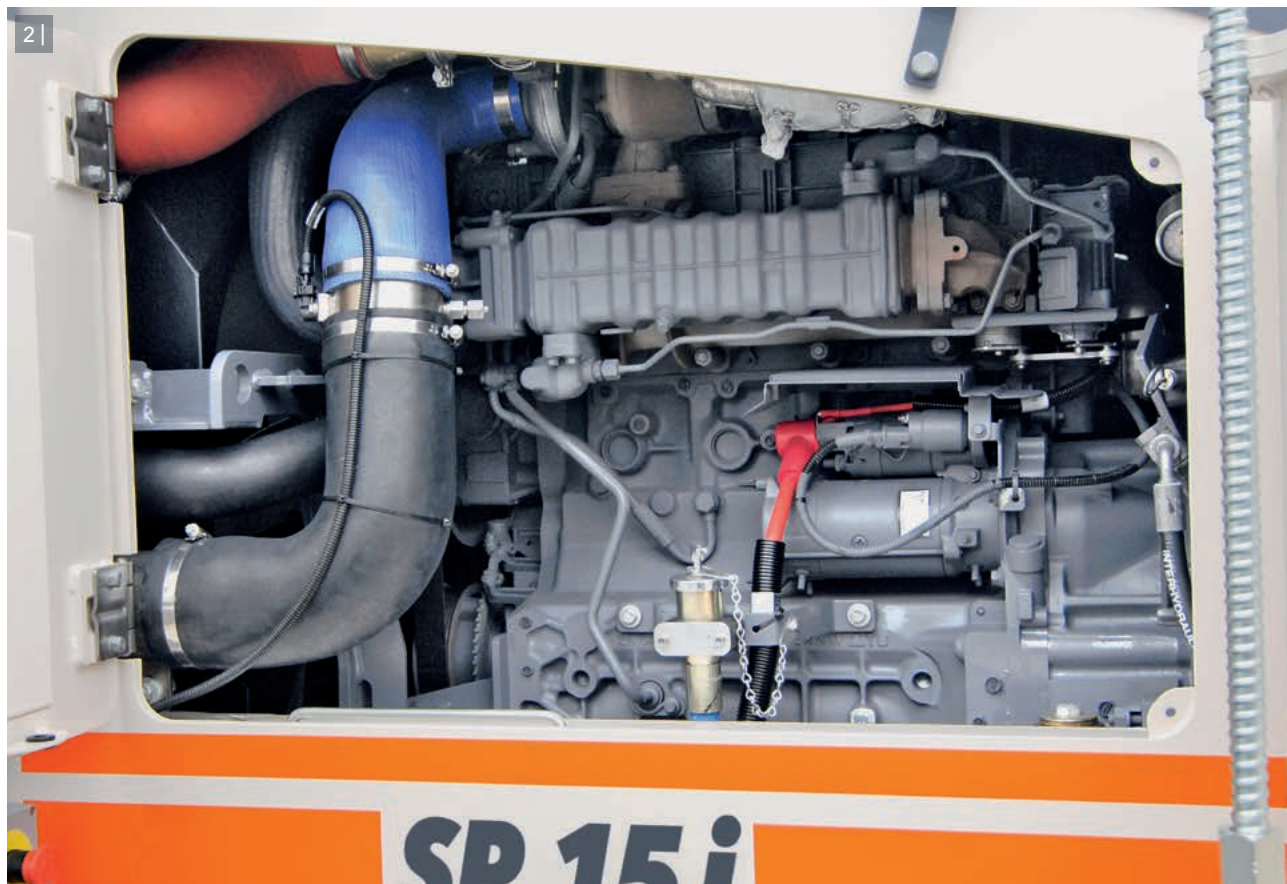
Equipped with state-of-the-art engine technology for extremely low emissions, the SP 15i meets the stringent requirements of the US EPA Tier 4f emissions standards.

1 | Thanks to ECO mode, the SP 15i's powerful engine always operates in the optimum power and torque range.

1 |



2 |



2 | The ECO mode engine control system reduces fuel consumption.

3 | Operators can manually activate ECO mode.



3 |



# 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 15i 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.

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 slip-forming technology, taking on-site conditions into account.

1 | AutoPilot 2.0 makes it possible to pave monolithic profiles without the use of stringlines.

2 | The Field Rover is used to record measurement points and perform control measurements.

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

1 |



2 |

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.

A major advantage of the system is that it eliminates the time-consuming process of surveying, setting up and removing stringlines, and creating a geodetic data model.



3 |





1 |

1 | WIRTGEN-specific acceptance procedures ensure that the various 3D control systems are highly reliable.

# High-Precision 3D Control

## 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 15i 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 15i with 3D control systems from leading suppliers, thus guaranteeing maximum operational reliability. In addition, our own specialists work continuously towards perfecting the systems.

2 | The machine is equipped with a field-proven standard interface for 3D control systems.

2 |



# 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.

**1 - 2** | Specified cross slopes are precisely maintained.





# Perfect for Even the Most Difficult Jobs



The daily challenges of concrete paving. Immovable obstacles, tight spaces. Problematic sub-bases, complicated concrete supply. All of these challenges can be solved individually and efficiently with the innovative WIRTGEN SP 15i. Adaptability par excellence - to any job site conditions. Thanks to the fully modular machine design or the flexible concrete pouring unit, for example. Professional systems that make every job a success. The SP 15i - and your work is done.



1 |

1 | Smooth turns around its own axis thanks to the three steerable crawler units.

# 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 15i 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 15i can be easily converted and effortlessly expanded with additional components to solve complex, customer-spe-

cific 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.



2 | The rear crawler unit can be telescoped outwards ...

3 | ... allowing the machine to travel as close as possible to the paving profile while maintaining a high level of stability.

4 | The track width of the two front crawler units can be adjusted at the flip of a switch via extendable swing arms.



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# Continuous Concrete Feeding for High Daily Production Rates

## FLEXIBILITY IS KEY

A reliable, steady supply of material from the truck mixer to the mold is one of the key factors that determines the quality of monolithic profile paving. For this purpose, the SP 15i 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.

**1 + 4** | The SP 15i can be equipped with either a belt or an auger conveyor.



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

3 | 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-SIDE OR LEFT-SIDE MOUNTING

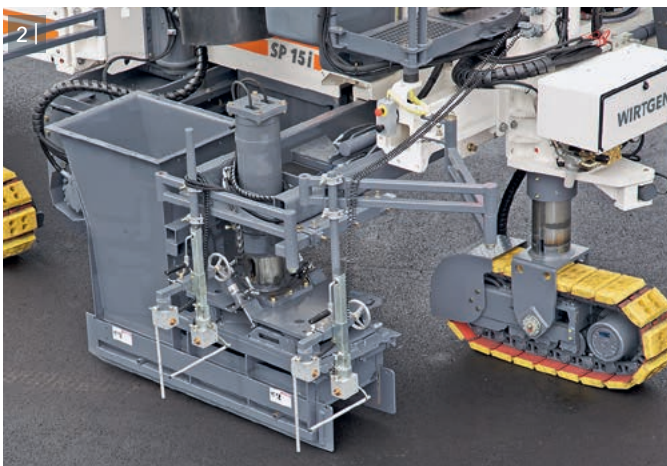
The SP 15i guarantees maximum flexibility in every application. The mold can be mounted on either the left or right side of the machine to ensure that different job site requirements can always be met. This keeps traffic disruptions to a minimum, as the SP 15i and concrete mixer can move in the direction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

**1 - 2 |** The mold can be telescoped outwards hydraulically by up to 2 ft 4 in (700 mm).

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

Hydraulically telescoping mounts allow the mold to be shifted laterally – for paving profiles inside or outside the machine dimensions. The mold's height can be adjusted via the crawler units – the maximum profile paving height is 4 ft 3 in (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.



4 |



5 |



4 | Hydraulic height adjustment by up to 3 ft 3 in (1,000 mm) (additional mechanical adjustment: 15 in (280 mm)).

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

# Perfect Preparation of the Sub-Base via Trimmer

1 | The trimmer can be adjusted in a variety of ways using hydraulic cylinders.

2 | The trimmer optimally levels the previously consolidated sub-base ...



## 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 2 ft (600 mm), the unit can be gradually widened up to a maximum of 5 ft 3 in (1,600 mm).

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

3 | ... up to a working depth of 5.9 in (150 mm).





1 | Can be transported on a flat bed truck - perfect!

# Sophisticated Transport Concept

## OPTIMIZED MACHINE DIMENSIONS

Its maneuverability and machine dimensions optimized for compactness allow the SP 15i 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 15i is easy to transport, even with small transport vehicles.

2 | Compact dimensions: The inwardly telescoping, narrow mold remains mounted during transport.

3 | The folding version of the belt conveyor can be folded in hydraulically.



# Technical Specifications

## SP 15i

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	SP 15i
Area of application	Offset
<b>Concrete Feeding System</b>	
Belt conveyor	Length: 16 ft 1 in (4,900 mm), belt width: 2 ft (600 mm)
Folding belt conveyor (optional)	Length: 18 ft (5,500 mm), belt width: 2 ft (600 mm)
Auger conveyor (optional)	Length: 15 ft 1 in (4,600 mm), auger diameter: 15.7 in (400 mm)
<b>Paving Mold</b>	
Position	Left/right
Lateral mold adjustment	2 ft 4 in (700 mm)
Mold height adjustment (optional)	15.7 in (400 mm)
Max. mold height	4 ft 3 in (1,300 mm)*1
Max. mold width	5 ft 11 in (7 ft 3 in)*1 (1,800 mm (2,200 mm)*1)
<b>Vibration</b>	
Connectors for hydraulic vibration	6
Connectors for electric vibration (optional)	6
<b>Trimmer (Optional)</b>	
Standard width	2 ft (600 mm)
Max. width	5 ft 3 in (1,600 mm)*2
Working depth	0 to 5.9 in (0 to 150 mm)
Cutting diameter	19.7 in (500 mm)
Maximum stroke	30.5 in (775 mm)
Hydraulic height adjustment	15.7 in (400 mm)
Mechanical height adjustment	14.8 in (375 mm)
Lateral trimmer adjustment	4 ft 3 in (1,300 mm)
<b>Engine</b>	
Engine manufacturer	Deutz
Type	TCD 4.1 L4
Cooling	Water
Number of cylinders	4
Rated power at 2,100 rpm	95 kW/127 HP/129 PS
Displacement	247 in <sup>3</sup> (4,040 cm <sup>3</sup> )
Fuel consumption, full load   mixture of job site operations	6.6 gph   3 gph (25 l/h   11.2 l/h)
Sound power level in accordance with DIN EN 500-6 engine   operator's platform	≤99 dB(A)   ≥81 dB(A)
Emissions standard	US EPA Tier 4f
<b>Electrical System</b>	
Power supply	24 V

\*1 = Other offset geometry and special applications available on request

\*2 = Special widths available on request

	SP 15i
<b>Tank Capacities</b>	
Fuel	58 gal (220 l)
AdBlue®/DEF * <sup>3</sup>	5 gal (20 l)
Hydraulic oil	58 gal (220 l)
Water	42 gal (160 l)
Additional water tank	77 gal (290 l)
<b>Driving Performance</b>	
Operating speed	0 to 49 ft/min (0 to 15 m/min)
Transport speed	0 to 115 ft/min (0 to 35 m/min)
<b>Crawler Units</b>	
Number	3
Position	2 x front/ 1 x rear
Dimensions (L x W x H)	4 ft 5 in x 10.2 in x 21.7 in (1,340 mm x 260 mm x 550 mm)
<b>Machine Height Adjustment</b>	
Hydraulic height adjustment	3 ft 3 in (1,000 mm)
Mechanical height adjustment	11 in (280 mm)
<b>Transport Dimensions (L x W x H) *<sup>4</sup></b>	
Basic machine without concrete feeding system	17 ft 9 in x 7 ft 10 in x 8 ft 8 in (5,400 mm x 2,400 mm x 2,650 mm)
Basic machine with belt conveyor	23 ft 11 in x 8 ft 4 in x 9 ft (7,300 mm x 2,550 mm x 2,750 mm)
Basic machine with folding belt conveyor	22 ft x 8 ft 4 in x 9 ft 8 in (6,700 mm x 2,550 mm x 2,950 mm)
Basic machine with auger conveyor	22 ft 2 in x 8 ft 2 in x 9 ft 2 in (6,750 mm x 2,500 mm x 2,800 mm)
Belt conveyor without chute	18 ft x 3 ft 5 in x 2 ft 3 in (5,500 mm x 1,050 mm x 680 mm)
Folding belt conveyor without chute	20 ft 4 in x 3 ft 5 in x 3 ft 1 in (6,200 mm x 1,050 mm x 930 mm)
Auger conveyor without chute	16 ft 9 in x 3 ft 9 in x 3 ft 3 in (5,100 mm x 1,150 mm 1,000 mm)
Trimmer	7 ft 3 in x 2 ft 7 in x 5 ft 6 in (2,200 mm x 800 mm x 1,680 mm)
<b>Weight Specifications *<sup>5</sup></b>	
Net weight of basic machine with belt conveyor	21,605 lbs (9,800 kg)
Operating weight, CE * <sup>6</sup> , basic machine with belt conveyor	22,818 lbs (10,350 kg)
Max. operating weight, full tank, with trimmer, auger conveyor without mold	28,550 lbs (12,950 kg)
Trimmer, working width 2 ft (600 mm)	2,425 lbs (1,100 kg)
Belt conveyor	1,874 lbs (850 kg)
Folding belt conveyor	2,028 lbs (920 kg)
Auger conveyor	2,866 lbs (1,300 kg)

\*<sup>3</sup> = AdBlue® is a registered trademark of the German Association of the Automotive Industry (VDA)

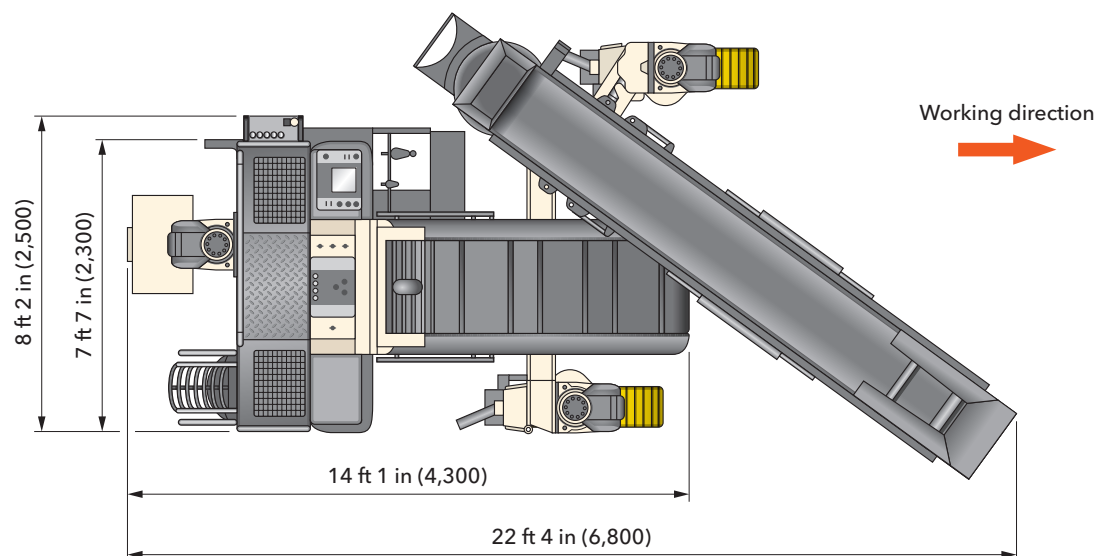
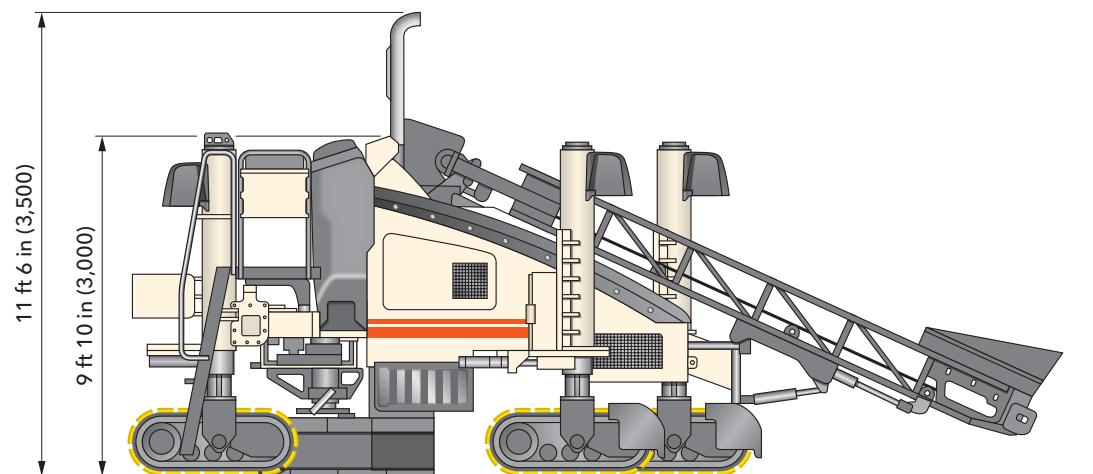
\*<sup>4</sup> = All specifications are minimum specifications without offset mold mounted

\*<sup>5</sup> = Weight specifications depend on the installed equipment and working width

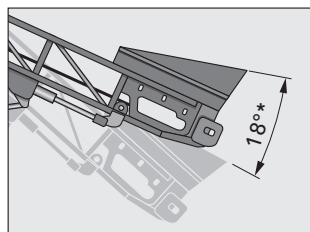
\*<sup>6</sup> = Machine weight, half the weight of all tank contents, machine operator (165 lbs (75 kg)), tools, excluding optional equipment

# Dimensions

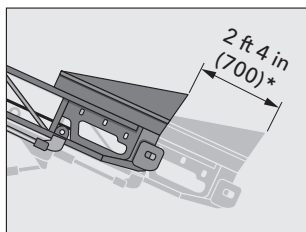
## SP 15i



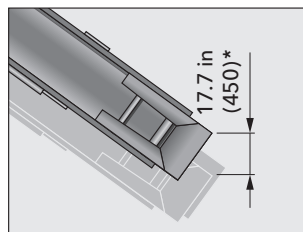
Angle of the belt conveyor



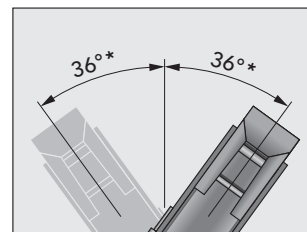
Longitudinal adjustment of the belt conveyor



Lateral adjustment of the belt conveyor



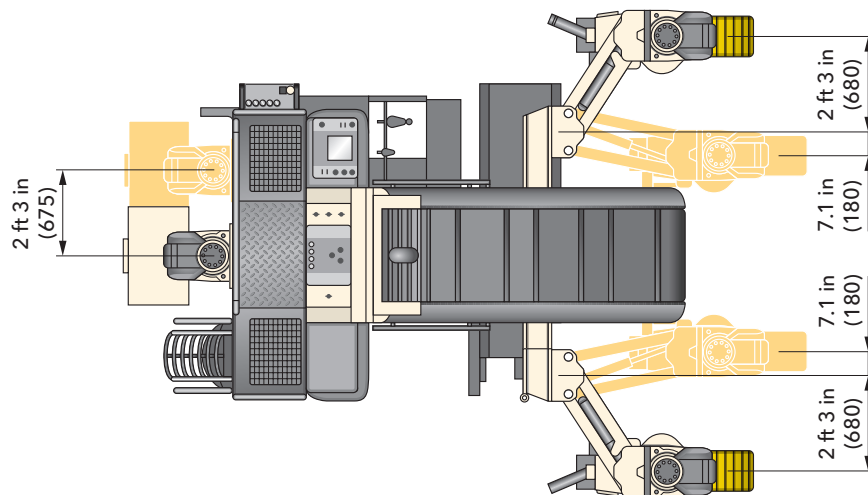
Rotation of the belt conveyor



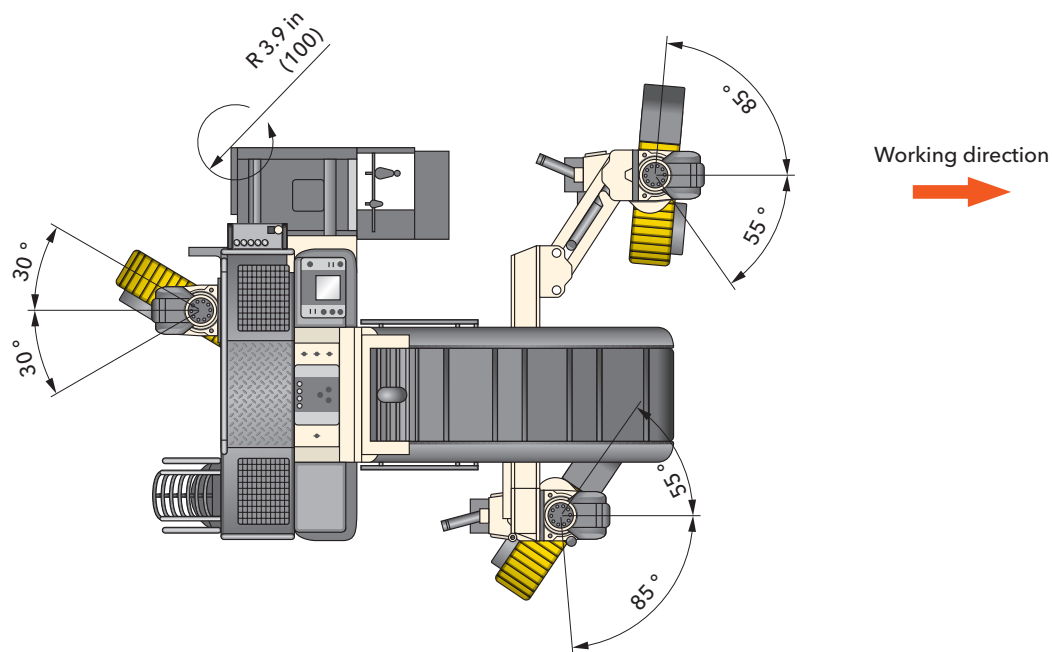
Dimensions in American standard and mm

\* = Figures also apply to auger conveyor

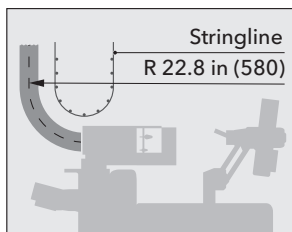
Configuration of the crawler units and additional equipment



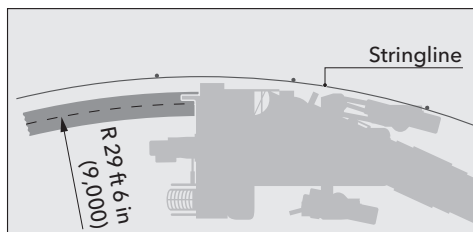
Maneuvering radius



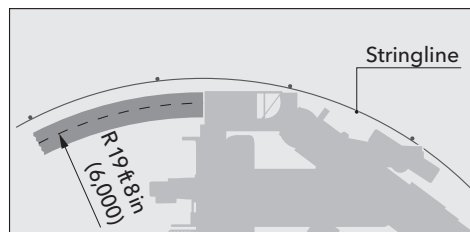
Usable paving radius



Paving radius along stringline, offset mold retracted



Paving radius along stringline, offset mold extended



# Standard Equipment

## SP 15i

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Basic Machine	
58 gal (220 l) fuel tank	■
58 gal (220 l) hydraulic oil tank	■
Electrical system (24 V)	■
Pressure and flow-controlled hydraulic pump (open circuit) to power the crawler units	■
Pressure and flow-controlled hydraulic pump (open circuit) to power the hydraulic or electric vibrators	■
Pressure-controlled hydraulic pump (open circuit) to power all of the cylinder functions	■
Proportionally controlled hydraulic pump (closed circuit) to power the auger conveyor or belt conveyor	■
Main Frame and Height Adjustment	
Heavy-duty machine frame for accommodating two track units at the front and one track unit at the rear	■
Track Units and Chassis Linkage	
Three hydraulically powered track units, 4 ft 5 in (1.34 m) long; gear ratio 1:42; including towing device	■
Continuously adjustable paving speed from 0 to 49 ft/min (0 to 15 m/min)	■
Continuously adjustable transport speed from 0 to 115 ft/min (0 to 35 m/min)	■
Three hydraulic leveling cylinders with a stroke of 3 ft 3 in (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 swing arm)	□
Three track units fitted with triple-grouser steel track pads	□

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

Machine Control, Leveling, and Steering	
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	■
Vibration	
Hydraulic vibrator drive for up to 6 vibrators	□
Two straight D66 vibrators, hydraulically powered	□
Concrete Feeding System	
Belt conveyor (16 ft 1 in x 2 ft (4.90 m x 0.60 m)) with reversible hydraulic drive, hydraulically adjustable	□
Steel chute	□
Concrete Equipment for Offset Paving	
The offset paving molds can be mounted on the left or right side of the machine	■
The mold mount can be telescoped outwards by 2 ft 3 in (0.70 m) on each side	■
Offset paving mold up to 2 ft (0.60 m) wide, max. height of 15.7 in (0.40 m)	□
Miscellaneous	
Water tank with 42 gal (160 l) capacity and additional water tank with 76 gal (290 l) capacity	■
Pre-fitting for installing the WITOS FleetView control unit	■
European design type certification, EuroTest mark and CE conformity	■
Standard painting in RAL 9001 (cream)	□
WITOS FleetView - professional telematics solution for machine operation and service optimization	□
Lighting system including 3 halogen working lights, 24 V	□

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# Optional Equipment

## SP 15i

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Track Units and Chassis Linkage	
Model with one rigid (spacer) and one pivoting front track unit connection (parallelogram swing arm)	<input type="checkbox"/>
Two pivoting front track units (parallelogram swing arms)	<input type="checkbox"/>
Three track units fitted with polyurethane track pads	<input type="checkbox"/>
Hydraulic positioning feature for the rear track unit	<input type="checkbox"/>
Machine Control, Leveling, and Steering	
Two slab tracers	<input type="checkbox"/>
Third height and steering sensor for paving in corners with tight radii	<input type="checkbox"/>
Pre-fitting for 3D leveling	<input type="checkbox"/>
AutoPilot 2.0 (868 – 870 MHz) with Field Rover	<input type="checkbox"/>
AutoPilot 2.0 (902 – 928 MHz) with Field Rover	<input type="checkbox"/>
Training for AutoPilot 2.0	<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"/>
Total station Leica iCON robot 50 for AutoPilot 2.0	<input type="checkbox"/>
Additional tablet computer with case for AutoPilot 2.0	<input type="checkbox"/>
Vibration	
Electric vibrator drive with 10-kVA generator for up to 6 vibrators	<input type="checkbox"/>
Two curved D66 vibrators, hydraulically powered	<input type="checkbox"/>
Two straight D66 vibrators, electrically powered	<input type="checkbox"/>
Two curved D66 vibrators, electrically powered	<input type="checkbox"/>
Straight D66 vibrator, hydraulically powered	<input type="checkbox"/>
Curved D66 vibrator, hydraulically powered	<input type="checkbox"/>
Straight D66 vibrator, electrically powered	<input type="checkbox"/>
Curved D66 vibrator, electrically powered	<input type="checkbox"/>
Concrete Feeding System	
Belt conveyor (18 ft 1 in x 2 ft in (5.50 m x 0.60 m)) folding design with reversible hydraulic drive, fully hydraulically adjustable	<input type="checkbox"/>
Auger conveyor (15 ft 1 in x 15.7 in (4.60 m x 0.40 m)) with reversible hydraulic drive, hydraulically adjustable	<input type="checkbox"/>
Steel-rubber chute	<input type="checkbox"/>
Concrete Equipment for Offset Paving	
Offset paving mold from 2 ft – 3 ft 11 in (0.60 m – 1.20 m) wide (max. height of 15.7 in (0.40 m))	<input type="checkbox"/>
Offset paving mold from 3 ft 11 in – 5 ft 11 in (1.20 m – 1.80 m) wide (max. height of 15.7 in (0.40 m))	<input type="checkbox"/>
Offset paving mold up to 2 ft 11 in (0.90 m) high, max. base width of 2 ft (0.60 m), including hopper	<input type="checkbox"/>
Offset paving mold up to 4 ft 3 in (1.30 m) high, max. base width of 2 ft (0.60 m), including hopper	<input type="checkbox"/>
Split offset paving mold up to 2 ft (0.60 m) wide, max. height of 15.7 in (0.40 m)	<input type="checkbox"/>
Split offset paving mold from 2 ft to 3 ft 11 in (0.60 m – 1.20 m) wide, max. height of 15.7 in (0.40 m)	<input type="checkbox"/>
Split combined offset mold up to 2 ft 6 in (0.75 m) in width and a maximum of 15.7 in (0.40 m) in height	<input type="checkbox"/>
Split combined offset mold up to 3 ft 7 in (1.10 m) in width and a maximum of 15.7 in (0.40 m) in height	<input type="checkbox"/>
Offset paving mold up to 2 ft (0.60 m) wide, max. height of 15.7 in (0.40 m)	<input type="checkbox"/>
Offset paving mold from 2 ft – 3 ft 11 in (0.60m – 1.20 m) wide (max. height of 15.7 in (0.40 m))	<input type="checkbox"/>
Offset paving mold from 3 ft 11 in – 5 ft 11 in (1.20 m – 1.80 m) wide (max. height of 15.7 in (0.40 m))	<input type="checkbox"/>

- ☒ = Standard equipment
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- ☐ = Optional equipment

Concrete Unit	
Offset paving mold up to 2 ft 11 in (0.90 m) high, max. base width of 2 ft (0.60 m), including hopper	<input type="checkbox"/>
Offset paving mold up to 4 ft 3 in (1.30 m) high, max. base width of 2 ft (0.60 m), including hopper	<input type="checkbox"/>
Split offset paving mold up to 2 ft (0.60 m) wide, max. height of 15.7 in (0.40 m)	<input type="checkbox"/>
Split offset paving mold from 2 ft to 3 ft 11 in (0.60 m–1.20 m) wide, max. height of 15.7 in (0.40 m)	<input type="checkbox"/>
Bottom part for split offset paving mold (AV) up to 2 ft wide (max. height of 15.7 in (0.40 m))	<input type="checkbox"/>
Bottom part for split offset paving mold (AV) from 2 ft to 3 ft 11 in (0.60 m–1.20 m) wide (max. height of 15.7 in (0.40 m))	<input type="checkbox"/>
Split combined offset mold up to 2 ft 6 in (0.75 m) in width and a maximum of 15.7 in (0.40 m) in height	<input type="checkbox"/>
Split combined offset mold up to 3 ft 7 in (1.10 m) in width and a maximum of 15.7 in (0.40 m) in height	<input type="checkbox"/>
Profile insert for split combined offset mold up to 2 ft 6 in (0.75 in) in width	<input type="checkbox"/>
Profile insert for split combined offset mold up to 3 ft 7 in (1.10 m) in width	<input type="checkbox"/>
Set of hydraulic components for telescoping the offset mold mount	<input type="checkbox"/>
Height adapter for split offset paving molds	<input type="checkbox"/>
Height-adjustable mold mount with 15.7 in (0.40 m) lift for split offset mold	<input type="checkbox"/>
Hydraulic quick-change system for offset paving mold (one-piece mold)	<input type="checkbox"/>
Additional adapter plate for quick-change system	<input type="checkbox"/>
Hydraulic quick-change system for offset paving mold (two-piece mold)	<input type="checkbox"/>
Set of hydraulic components for adjusting the sideplate of an EV offset paving mold	<input type="checkbox"/>
Set of hydraulic components for adjusting the side header of an AV offset mold	<input type="checkbox"/>
Offset Trimmer	
Trimmer, basic width, 2 ft (0.60 m), for left-side mounting	<input type="checkbox"/>
Trimmer, basic width, 2 ft (0.60 m) for right-side mounting	<input type="checkbox"/>
Trimmer – extension 8 in (0.20 m) wide, for left-side mounting	<input type="checkbox"/>
Trimmer – extension 15.7 in (0.40 m) wide, for left-side mounting	<input type="checkbox"/>
Trimmer – extension 8 in (0.20 in) wide, for right-side mounting	<input type="checkbox"/>
Trimmer – extension 15.7 in (0.40 m) wide, for right-side mounting	<input type="checkbox"/>
Operator's Platform	
Weather canopy for operator's platform	<input type="checkbox"/>
Miscellaneous	
Painting in one special color (RAL)	<input type="checkbox"/>
Painting in two special colors (RAL)	<input type="checkbox"/>
Painting in maximum two special colors with the lower part of the machine painted in special color (RAL)	<input type="checkbox"/>
Model without WITOS FleetView	<input type="checkbox"/>
High-performance lighting system including 3 LED working lights, 24 V	<input type="checkbox"/>
High-pressure cleaner	<input type="checkbox"/>
Large storage compartment at the rear of the machine	<input type="checkbox"/>
Stringline tensioning system, complete with 3,281 ft (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 984 ft (4 x 300 m) nylon rope	<input type="checkbox"/>
Radius kit, fiberglass rod as stringline replacement for paving in corners with different radii	<input type="checkbox"/>
Machine startup (day rate)	<input type="checkbox"/>

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