



Unmatched range of applications in concrete paving.

# Slipform Paver SP 25 / SP 25i



# Outstanding features of the SP 25 / SP 25i slipform paver

02  
03

## 1 | FULLY MODULAR INSET MOULD SYSTEM

Modular design ensures machine configuration in accordance with site conditions. Adjustable to different working widths. Special profile cross-sections can be implemented.

## 2 | 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.

## 9 | MODULAR ADAPTABILITY

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

## 10 | EASE OF OPERATION

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

## 11 | INTELLIGENT TRANSPORT CONCEPT

Compact machine dimensions to ensure ease of transport.



### 3 | 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.

### 4 | STEERING AND DRIVE SYSTEM IN LINE WITH FIELD REQUIREMENTS

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

### 5 | EFFICIENT DIESEL ENGINE CONTROL

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

### 6 | AUTOPILOT - EFFICIENT STRINGLESS MACHINE CONTROL SYSTEM

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

### 7 | FUTURE-PROOF 3D INTERFACE


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

### 8 | PREMIUM-CLASS CROSS SLOPE CONTROL

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



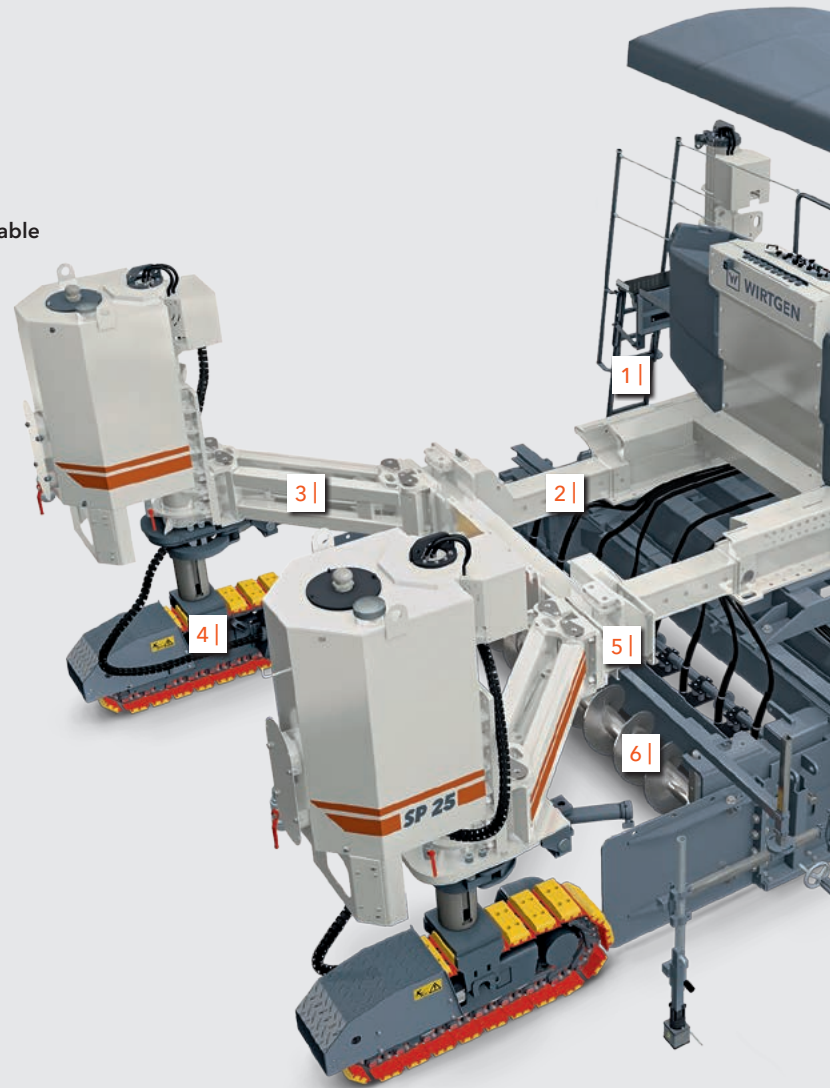


An aerial view of a Wirtgen slipform paver paving a road. The machine is positioned on the left side of the frame, moving from left to right. It is creating a central concrete profile in the middle of the road. Two workers in orange safety gear are visible near the machine. The road surface is dark asphalt, and the surrounding area is green grass. The text "A new form of economic efficiency." is overlaid on the right side of the image.

**A new form of  
economic efficiency.**

**THE WIRTGEN SP 25 / SP 25i 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 INSET AND OFFSET CONCRETE PROFILES. YOU SEE: MANY THINGS HAVE CHANGED, ONE THING HAS REMAINED THE SAME - THE SP 25 / SP 25i IS UNDENIABLY WIRTGEN. UNDENIABLY A CHAMPION.**

- 1 | Easy access to operator's platform regardless of machine configuration
- 2 | Telescoping machine frame
- 3 | Pivoting leg for adjustment of the track unit to site conditions
- 4 | One or two hydraulically driven, separately height-adjustable and steerable front track units
- 5 | Movable front main frame section
- 6 | Extending spreading auger in modular design
- 7 | Slab paving mould
- 8 | Two laterally telescoping rear track units
- 9 | Levelling system
- 10 | Lifting column with hydraulic cylinder for height adjustment
- 11 | Power unit



Components of the  
SP 25/SP 25i  
for inset paving.

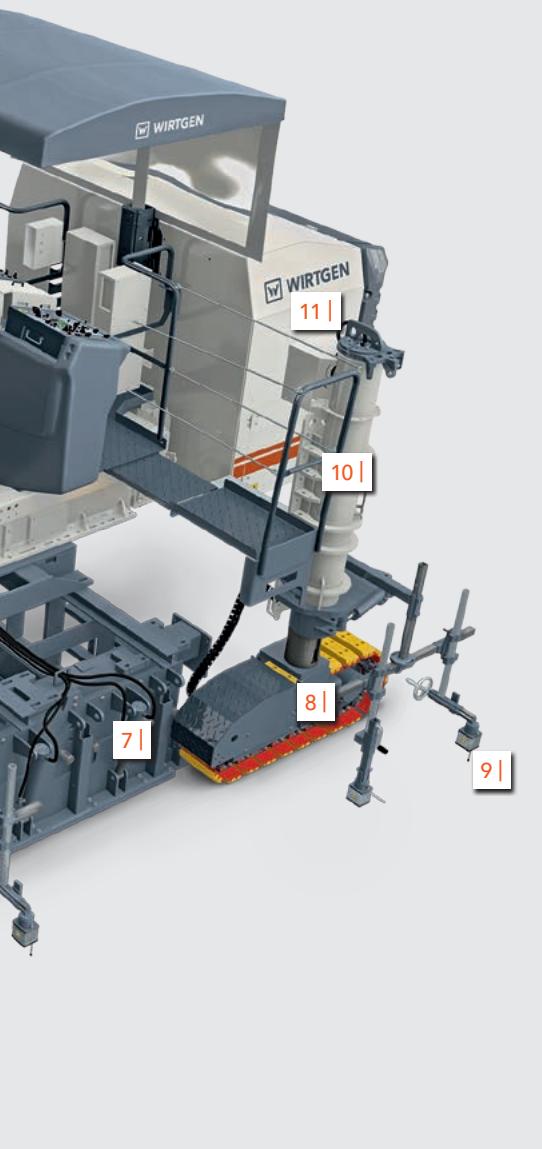
# Inset concrete paver drives efficiency to the max

## WIDE RANGE OF PAVING WIDTHS FOR PAVEMENT SLABS

The compact SP 25/SP 25i slipform paver is an extremely versatile multipurpose machine for high-quality concrete paving operations. In addition to paving a most diverse range of offset profiles, the SP 25/SP 25i achieves perfection also in paving narrow roads, agricultural and bicycle paths, canals and gutters of different sizes in inset application. The paver's modular design not only enables it to be fully adapted to the specific requirements posed by different types of applications but also al-

lows components to be easily retrofitted even many years later. The SP 25/SP 25i sets new standards in efficiency.

The paver's hallmarks include flexible positioning of the track units, an extending spreading auger and the use of up to ten electric or hydraulic vibrators. An intelligent electronic steering and control system ensures full compliance with the specified requirements.



1 | Flexible positioning of the track units to allow paving of a 3.0 m wide countryside path.

2 | The wide range of inset applications offered by the SP 25/SP 25i includes the production of concrete slabs measuring from 1.0 m to 3.5 m in width.



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1 | Paving a 3.5 m wide concrete road.

# Tremendous range of inset paving applications

## THE SP 25/SP 25i IN ACTION

The SP 25/SP 25i paves concrete slabs at widths ranging from 1.0 m to 3.5 m and layer thicknesses of up to 400 mm in inset application. The ability to pave slabs of up to 3.5 m in width is based on the paver's flexible track positioning options. Its modular design makes easy work of modifying the SP 25/SP 25i for the various applications: the spreading auger, slab paving mould and various complementary features can be extended in increments. Special sections and paving widths can also be supplied in accordance with customer specifications. It is possible to integrate up to ten electric or hydraulic vibrators.

The SP 25/SP 25i is the ideal candidate for completing special jobs both in the open and in tunnel construction - using either string-line or the stringless WIRTGEN AutoPilot or common 3D systems. Changing moulds or modifying the SP 25/SP 25i from inset paving to offset paving can be accomplished quickly and easily right on the job site.





2 | Highly precise paving of a 3.0 m wide road on a dam using the WIRTGEN AutoPilot.

3 | Producing a concrete slab track.

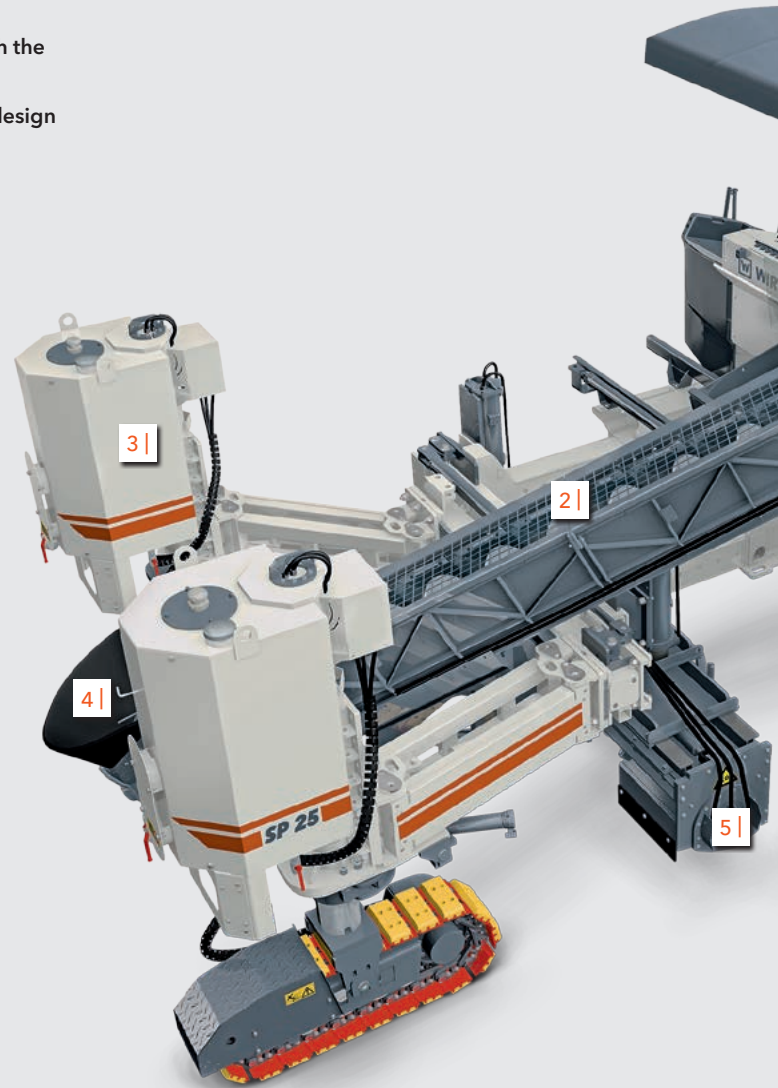
4 | Paving tracks for an agricultural road.

5 | Paving concrete by means of 3D control.

6 | Producing a large water gutter.



- 1 | Walk-through operator's platform offering a good view of both the machine and the construction site
- 2 | Concrete feeding system in belt conveyor or auger conveyor design offering various adjustment options
- 3 | 450-litre water tank
- 4 | Receiving hopper for freshly delivered concrete
- 5 | Height-adjustable, laterally telescoping trimmer unit
- 6 | Offset mould can be mounted on the left or right side of the paver and telescoped to both sides
- 7 | Cross-feeding auger
- 8 | Clearly structured control panel, suitable for mounting on the left or right side of the machine
- 9 | Servicing panel
- 10 | Canopy



Components of the SP 25/SP 25i for offset paving.

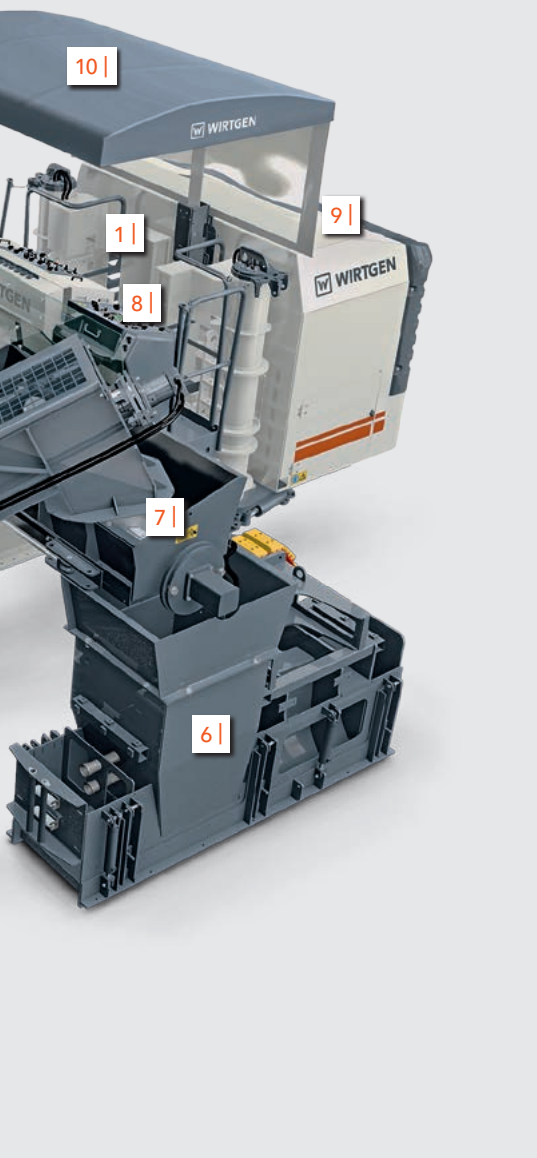
## Offset concrete paver shows its true class on difficult jobs

### UNRIVALLED FLEXIBILITY

The SP 25/SP 25i slipform paver truly excels when it comes to paving small or large concrete profiles in offset application. Especially in those conditions where other slipform pavers can no longer operate, the SP 25/SP 25i is at its best: whether the job requires a profile to be poured across an existing profile or at a large distance or major difference in height between the machine and paving site - these are the challenges that the SP 25/SP 25i overcomes with superior ease. Exceptional flexibility in positioning the mould, track units and concrete feeding system enables it to fully

adapt to virtually any paving situation. Offset moulds can optionally be mounted on the left or on the right side of the slipform paver

The paver's repertoire includes concrete safety barriers, kerbs, kerb and gutter profiles, canals, water gutters, narrow paths and virtually any type of special profile.



1 | The SP 25/SP 25i pours large offset concrete profiles at standard heights of up to 2.0 m or standard widths of up to 2.5 m.

2 | The SP 25/SP 25i is at its best when paving concrete safety barriers of up to 2.0 m in height.



1 | Paving a rainwater gutter along a steep slope with the mould mounted on the right side of the machine.

## Tremendous range of offset paving applications

### THE SP 25/SP 25i IN ACTION

The SP 25/SP 25i produces poured-in-place concrete profiles at standard heights of up to 2.0 m or standard widths of up to 2.5 m. Even larger profiles can be realized in accordance with customer requirements. The geometrical profile of the offset mould or mould mount poses no problem, for mature manufacturing processes enable us to translate nearly any customer requirement into practical, real-life solutions. Tried-and-tested standard offset moulds are ready for shipment immediately. The WIRTGEN SP 25/SP 25i offers also a unique selling proposition: moulds can be mounted on the left or on the right side of the machine.

Flexible positioning of the mould, track units and concrete feeding system tremendously increases the range of applications of the SP 25/SP 25i. 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 | Production of a reinforced concrete median barrier.

3 | Paving a rainwater gutter with the mould mounted on the left side of the machine.


4 | Paving a 2.5 m wide bicycle path.

5 | Pouring a large special profile.

6 | Paving a special profile on a farm.





A close-up photograph of a concrete mixer truck. The image shows the large, rotating drum and the discharge chute, which is currently tilted upwards. In the foreground, a control panel with a white box and orange safety stripes is visible. The background shows a blurred outdoor setting with trees and a clear sky.

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

BE RELAXED AND COMFORTABLE DURING WORK WHILE KEEPING EVERYTHING IN FULL VIEW - A GIVEN WITH THE SP 25 / SP 25i. 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 25 / SP 25i, 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.*

## Relaxed working and extremely easy handling

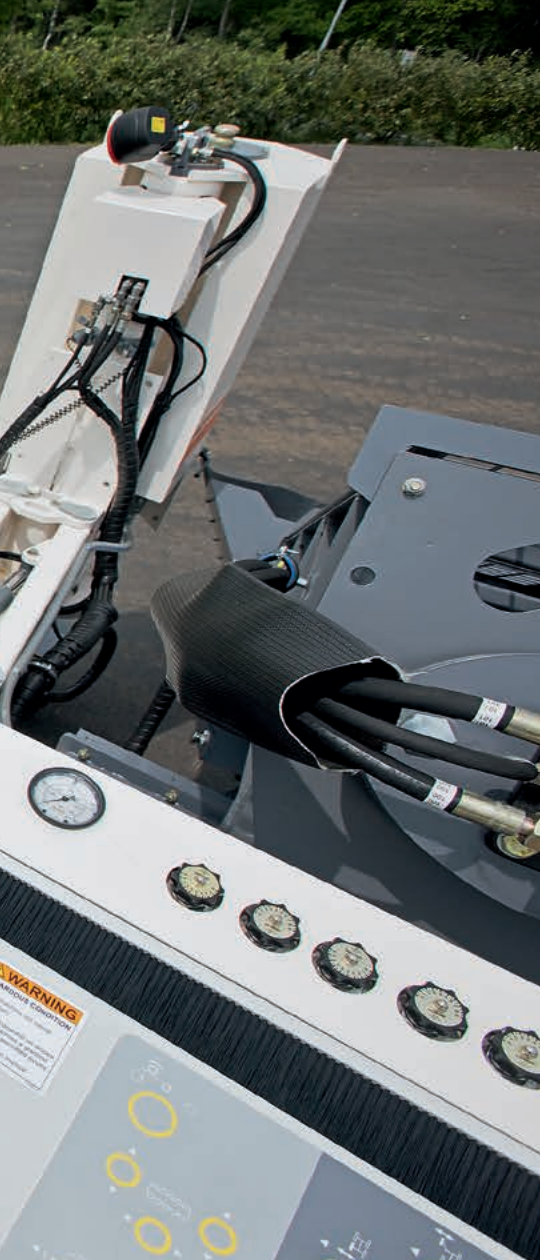
### **GAINING FULL CONTROL QUICKLY**

Everything on the operator's platform of the SP 25/SP 25i is arranged with great clarity and ergonomic principles in mind. The state-of-the-art graphic screen is located in the centre of the control panel: the multifunctional display keeps the operator informed of all relevant operating parameters on an event-driven basis. Handling of the paver via the control screen is easy – and is made even easier by clearly identifiable symbols independent of the national language. The control panel can be placed on the left or right side of the paver, thus always offering a perfect view of the entire paving process. A comprehen-

sive lighting package is part of the on-board equipment to allow efficient operation even in darkness. At the end of the day, the paver operator is familiar with the SP 25/SP 25i in no time at all, which enables him to fully focus on his work and deliver top performance.

The canopy can be raised and lowered hydraulically even with the diesel engine switched off and allows paving to proceed independent of weather conditions. The effective engine soundproofing and anti-vibration mounted treads reduce strain on both the man and the environment.






1 | The convenient access ladder can be manually adjusted in height and folded in for transport.

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

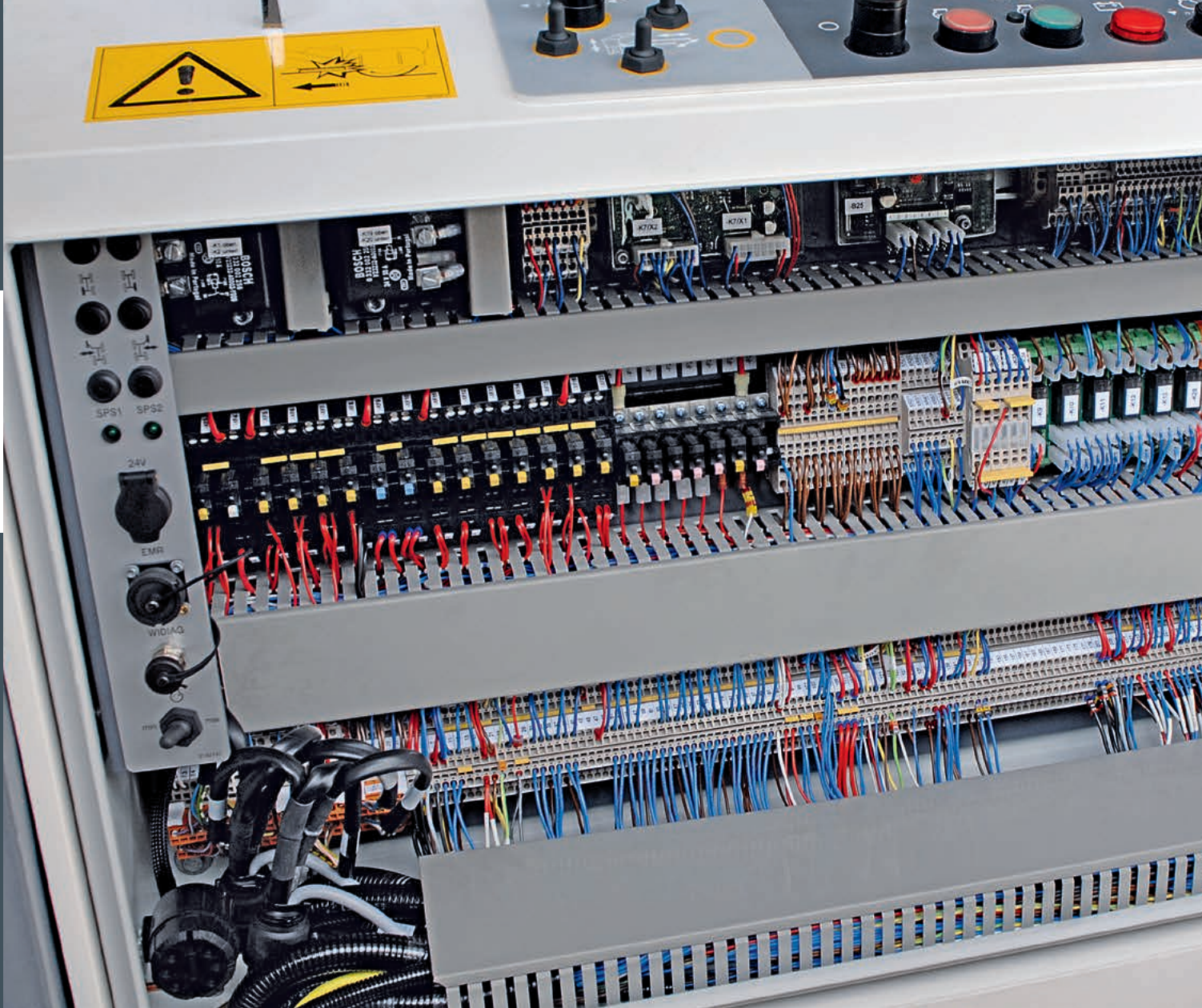
3 | Perfect view of the paving process from the spacious, ergonomically designed operator's platform.





# Hidden intelligence.

YOU ARE IN COMMAND AT THE CONTROL PANEL OF THE SP 25 / SP 25i 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.



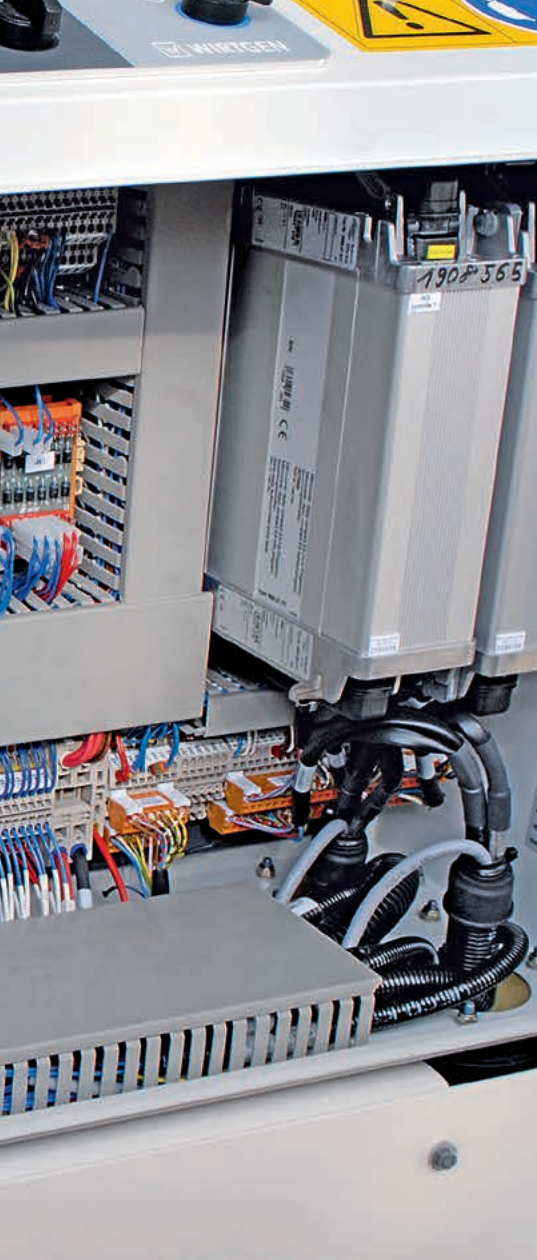
*Software developed  
in-house ensures  
high operational  
reliability.*

## Faultless operation - whatever the job

### SOFTWARE AND HARDWARE

The SP 25/SP 25i 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 25/SP 25i 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 25/SP 25i 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 25/SP 25i enables a minimum radius of 1.0 m.

In bends, the SP 25/SP 25i enables profiles to be produced with a minimum radius of no more than 1.0 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.

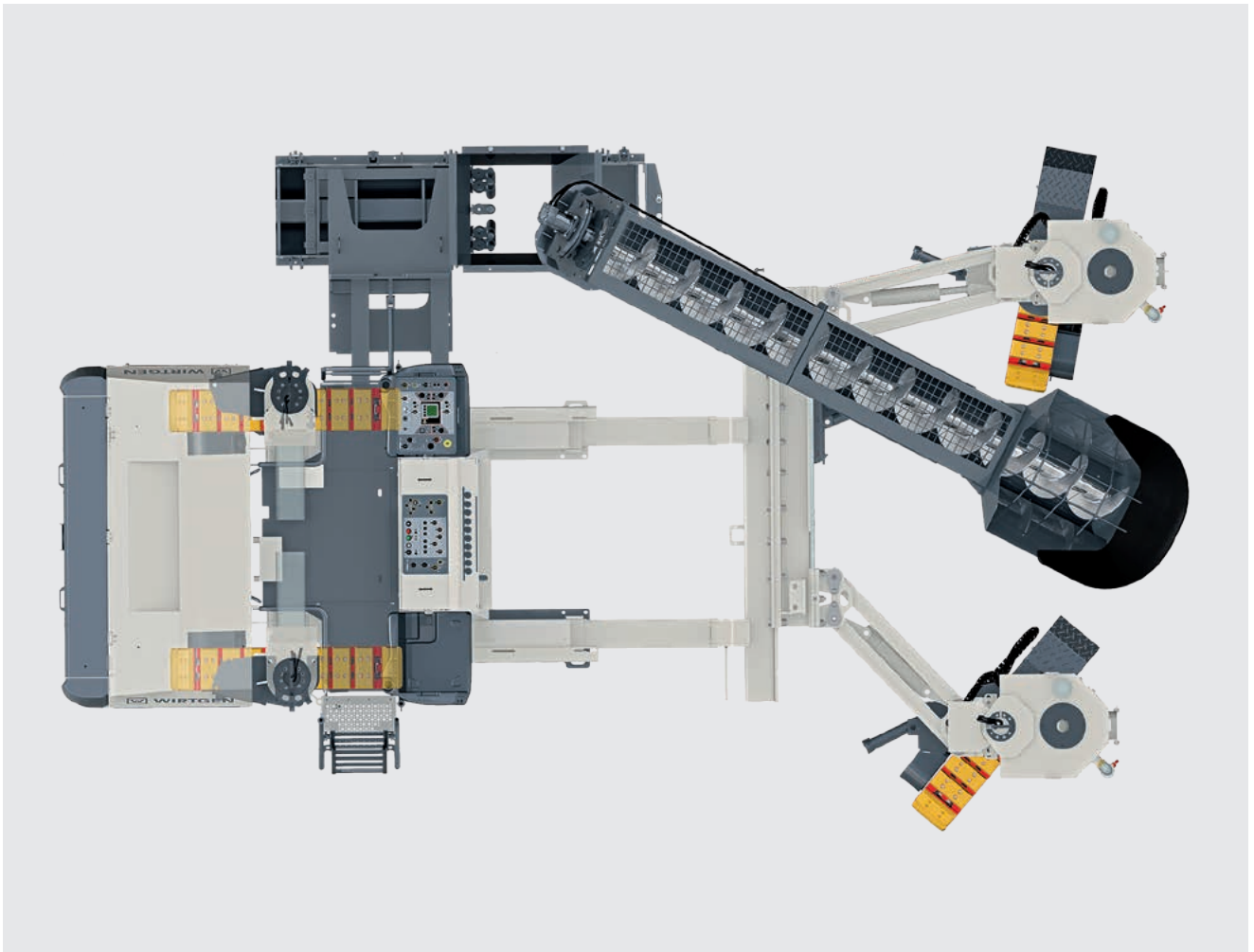
Repositioning and manoeuvring of the slipform paver is easy thanks to the additional crab and coordinated steering modes.





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.



# State-of-the-art engine technology

## ECONOMICAL DIESEL ENGINE CONTROL

Fuel consumption of the SP 25/SP 25i 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 25/SP 25i 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 25 complies with the exhaust emission standards of EC Stage 3a/US Tier 3 or lower. The SP 25i features state-of-the-art engine technology for lowest environmental emission levels which complies with the stringent specifications of exhaust emission standards EC Stage 4/US Tier 4f.

1 |





2 |



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

3 | *Manual activation of the ECO mode.*



3 |



# AutoPilot – economical, stringless machine control system

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## 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 25/SP 25i 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.

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 | *The AutoPilot is suitable for both inset and offset paving applications.*



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.



3 |



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 25/SP 25i 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 25/SP 25i 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.*





A close-up photograph of a Wirtgen SP 25 concrete paver machine. The machine is shown from a low angle, with its hopper tilted to pour concrete into the bed of a large concrete mixer truck. The Wirtgen logo and model name 'SP 25' are visible on the machine. The background shows a clear blue sky and some greenery, indicating an outdoor construction site.

# 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 25 / SP 25i 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 25 / SP 25i, ALL'S RIGHT WITH THE CONSTRUCTION WORLD.

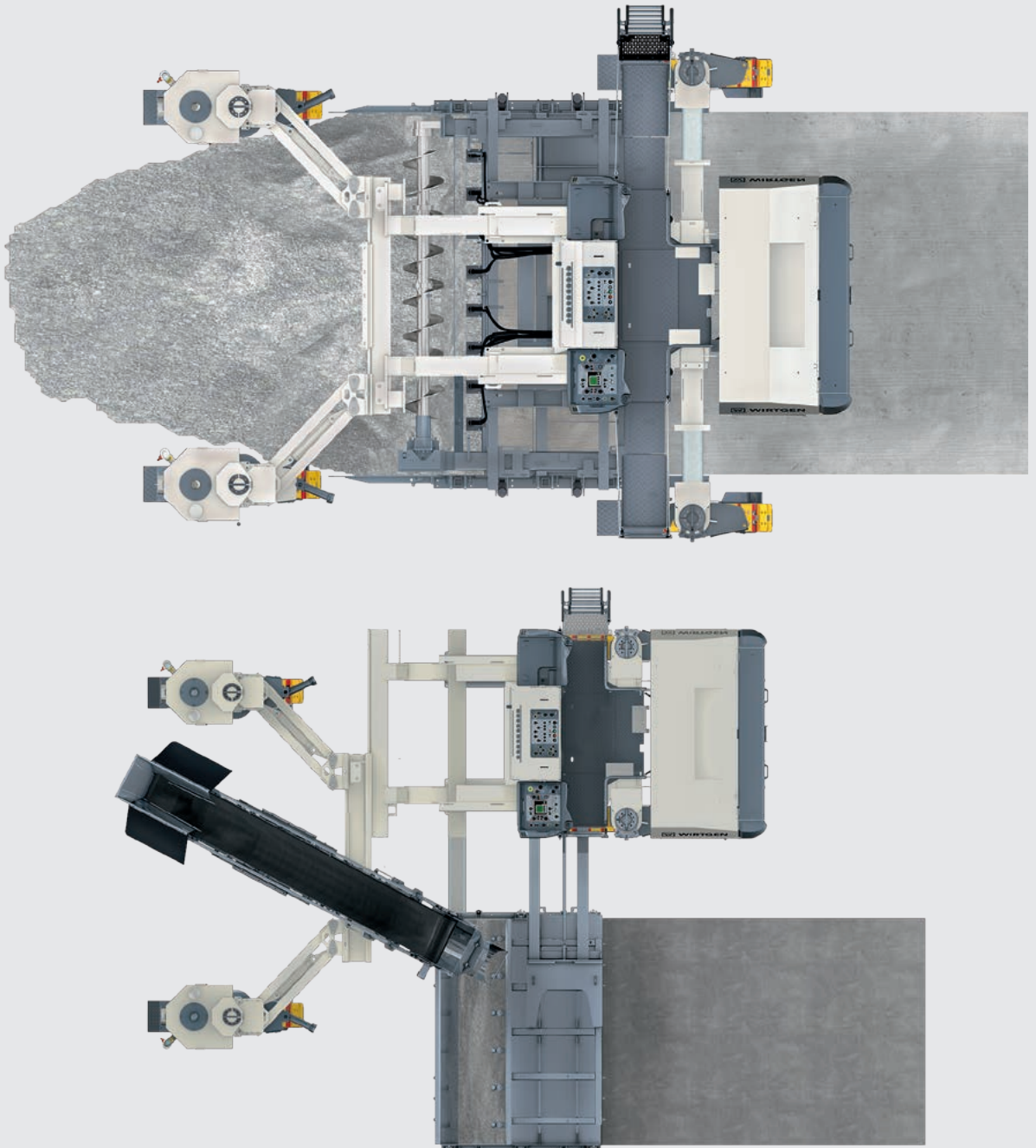
# Optimum stability in every paving situation

## FULLY MODULAR MACHINE DESIGN

The SP 25/SP 25i provides solutions for all inset and offset paving applications thanks to its fully modular design, easy modification and numerous extension options. The machine frame can be telescoped in longitudinal and transverse direction, and the paver's tech-

nical features allow reliable adjustment to most diverse site conditions. The paver can be equipped with additional components to offer solutions for complex, customer-specific paving requirements. In addition to that, even customer options can be retrofitted thanks to standard interfaces.

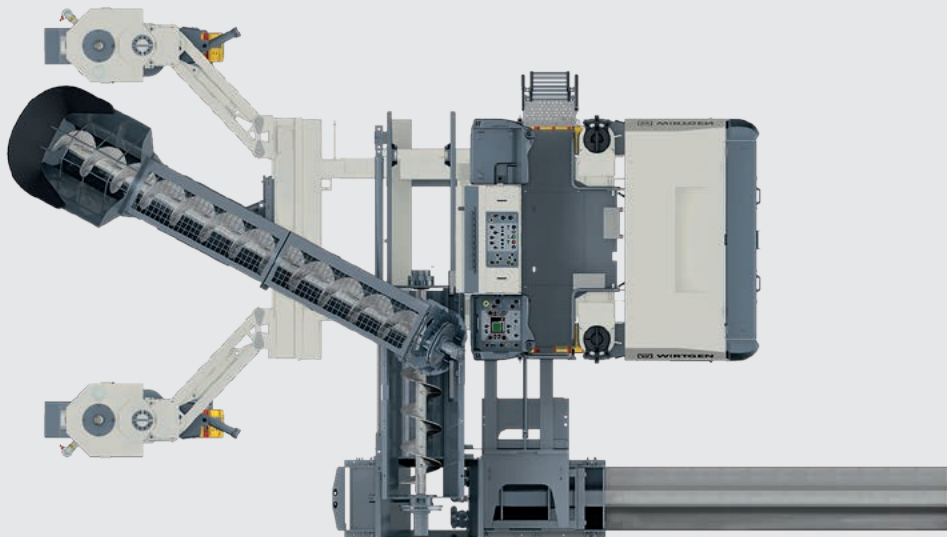
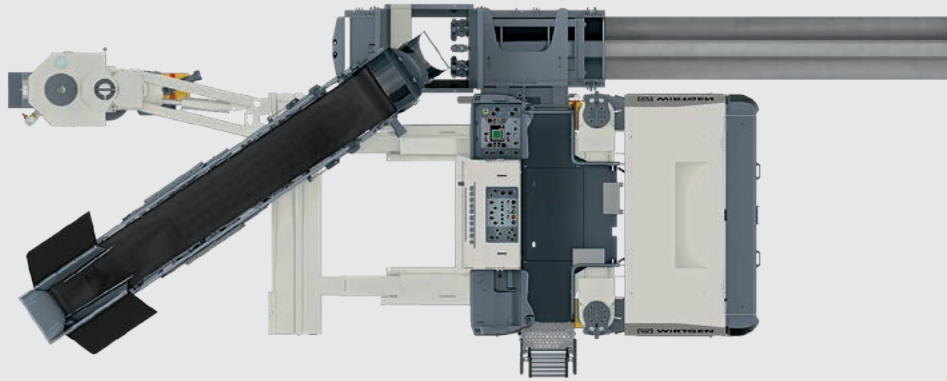
## A CHOICE OF SETUP OPTIONS





One or two front track units with large pivoting angles, as well as laterally telescoping rear track units with extension elements offer maximum flexibility. The stability of the SP 25/SP 25i is increased even further thanks to the movable front main frame section featuring two pivoting track units.

The offset paving mould can be mounted on the left or right side of the machine, adjusted in height hydraulically and telescoped to either side. Flexibility in concrete feeding is ensured by various adjustment options of the feeding systems and an additional cross-feeding auger.





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1 | The feeding system - like the belt conveyor shown here - can be slewed to the left or right hydraulically.

## Maximum flexibility in concrete feeding

### THE RIGHT FEEDING SYSTEM FOR EACH SITUATION

No two job sites are alike: exceptional circumstances such as narrow passages, bends, large offsets or high volume requirements often call for special conveying solutions. The SP 25/SP 25i offers several options to meet your needs: an auger, belt or folding belt conveyor. The belt conveyor is distinctive for high conveying speeds and ease of cleaning and accessibility. The auger conveyor can be adjusted to a slope of up to 45° and is capable of holding extra quantities to ensure continuous concrete delivery during truck changes.

And when equipped with the folding belt conveyor, the SP 25/SP 25i can be transported with ease even on small transport vehicles.

The different concrete feeding systems offer continuously adjustable conveying speeds. The hopper at the charge end of the conveyor is capable of accepting large quantities of freshly delivered concrete.



2 | Both the belt and auger conveyor can be hydraulically adjusted from the operator's platform.

3 | The hydraulically adjustable cross-feeding auger is the ideal solution when larger concrete volumes are required as a material buffer.



4 | The SP 25/SP 25i can alternatively be equipped with an auger conveyor in lieu of a belt conveyor.

# Wide range of options for mounting offset moulds

## MOUNTING OPTIONS ON BOTH SIDES OF THE PAVER

A big mark in favour of the SP 25/SP 25i is that it offers the possibility to mount offset moulds on the left or right side of the machine. This feature enables both the paver and the concrete truck to always travel with the moving traffic while causing only minimum disruptions to traffic passing along on adjacent lanes.

1-2 | *Hydraulically telescoping offset mould.*

3 | *The quick-change mould-mounting system allows kerb and gutter profiles to be exchanged quickly and easily.*

In addition, the mould mount can be hydraulically telescoped by up to 1,100 mm to provide for those situations where the SP 25/SP 25i cannot travel right next to the paving profile. Height adjustment is effected via the paver's lifting columns.

If complex site conditions require a special connection of the mould to the machine frame, WIRTGEN offers made-to-measure solutions fully tailored to customer requirements.

Yet another highlight: the hydraulically operated quick-change mould-mounting system enables moulds to be changed very quickly and with only little effort. Simple operating principle: lower machine, drive forward, secure - and here goes!



4 |



5 |



4-5 | The mould can be mounted on the left or right - modification is completed within an extremely short time.

# Perfect preparation of the base by means of a trimmer

*The trimmer offers various adjustment options via hydraulic cylinders.*



## **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.

*The trimmer fine-grades the previously compacted ground 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 25/SP 25i. Minimum effort is required to prepare the machine for transport.

The canopy can be folded down to transport height hydraulically, and the access ladder can be folded in to facilitate transport. And when equipped with the folding belt conveyor, the SP 25/SP 25i can be transported with ease even on small transport vehicles.

**1** | The canopy is folded down to transport height hydraulically.

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



# Technical specification

	SP 25	SP 25i
Range of applications	Offset/Inset	
<b>Concrete feeding</b>		
Belt conveyor	Length: 4,900 mm, belt width: 600 mm	
Belt conveyor, long (option)	Length: 5,900 mm, belt width: 600 mm	
Belt conveyor, folding design (option)	Length: 6,000 mm, belt width: 600 mm	
Auger conveyor (option)	Length: 4,600 mm, auger diameter: 400 mm	
<b>Concrete kit for offset paving</b>		
Arrangement	Left/Right	
Lateral adjustment of mould	1,100 mm	
Height adjustment of mould (option)	400 mm	
Max. mould height	2,000 mm * <sup>1</sup>	
Max. mould width	2,500 mm * <sup>1</sup>	
Cross-feeding auger	Length: 2,500 mm, auger diameter: 400 mm	
<b>Concrete kit for inset paving (option)</b>		
Slab paving mould	1,000 to 3,500 mm	
Front wall	1,000 to 3,500 mm	
Cross-feeding auger	2,000 to 3,500 mm	
Oscillating beam	2,000 to 3,500 mm	
Super smoother	2,000 to 3,500 mm	
Max. paving thickness	400 mm * <sup>1</sup>	
<b>Vibration</b>		
Connectors for hydraulic vibration	5 or 10 (option)	
Connectors for electric vibration (option)	5 or 10	
<b>Trimmer (option)</b>		
Standard width	600 mm	
Max. width	1,600 mm * <sup>2</sup>	
Working depth	0 to 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	1,900 mm	
<b>Engine</b>		
Engine manufacturer	Deutz	Deutz
Type	TCD 2012 L06 2V AG3	TCD 4.1 L4
Cooling	Water	Water
Number of cylinders	6	4
Rated power at 2,100 min <sup>-1</sup>	118 kW/158 HP/160 PS	115 kW/154 HP/156 PS

\*<sup>1</sup> = Please consult factory for different offset geometries or special applications

\*<sup>2</sup> = Please consult factory for special custom widths



	SP 25	SP 25i
<b>Engine</b>		
Displacement	6,057 cm <sup>3</sup>	4,040 cm <sup>3</sup>
Fuel consumption, full load	32.0 l/h	30.2 l/h
Fuel consumption, field mix	14.3 l/h	13.5 l/h
Emission standards	EU Stage 3a/US Tier 3	EU Stage 4/US Tier 4f
<b>Electrical system</b>		
Electrical power supply	24 V	
<b>Filling capacities</b>		
Fuel tank	440 l	375 l
AdBlue®/DEF tank	-	20 l
Hydraulic fluid tank	135 l	
Water tank (option)	900 l (2 x 450 l)	
<b>Driving characteristics</b>		
Operating speed	0 to 15 m/min	
Travel speed	0 to 35 m/min	
<b>Crawler tracks</b>		
	<b>Standard</b>	<b>Option</b>
Number	3	4
Arrangement	2 x rear / 1 x front	1 x additional front
Dimensions (L x W x H)	1,580 x 300 x 540 mm	
<b>Height adjustment of machine</b>		
Hydraulic height adjustment	1,250 mm	
Mechanical height adjustment	560 mm	
<b>Transport dimensions (L x W x H) *<sup>3</sup></b>		
Basic machine excluding concrete feeding system	6,100 mm x 2,500 mm x 2,900 mm	
Basic machine including belt conveyor	8,300 mm x 2,500 mm x 2,950 mm	
Basic machine including belt conveyor in folding design	7,100 mm x 2,500 mm x 2,950 mm	
Basic machine including auger conveyor	7,900 mm x 2,500 mm x 2,950 mm	
Belt conveyor without chute	5,500 mm x 1,050 mm x 680 mm	
Belt conveyor in folding design without chute	6,600 mm x 1,050 mm x 930 mm	
Auger conveyor without chute	5,100 mm x 1,150 mm 1,000 mm	
Trimmer	2,300 mm x 800 mm x 1,680 mm	
<b>Machine weights *<sup>4</sup></b>		
	<b>3 crawler tracks</b>	<b>4 crawler tracks</b>
Empty weight of basic machine including belt conveyor	13,000 kg	15,500 kg
Operating weight, CE * <sup>5</sup> of basic machine including belt conveyor	13,600 kg	16,100 kg
Max. operating weight, full tanks, including trimmer, auger conveyor, excluding mould	16,000 kg	20,000 kg
Trimmer, working width 600 mm	1,300 kg	
Belt conveyor	850 kg	
Belt conveyor in folding design	920 kg	
Auger conveyor	1,300 kg	

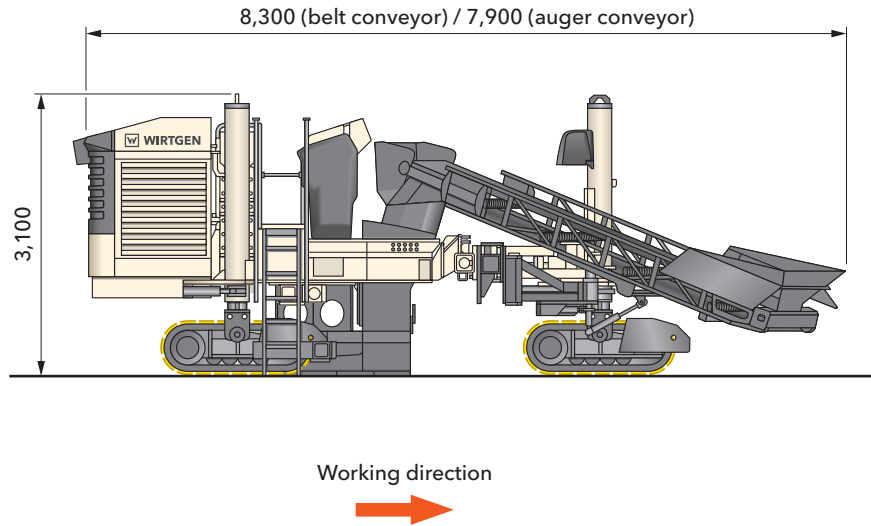
\*<sup>3</sup> = All specifications are minimum specifications without offset mould

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

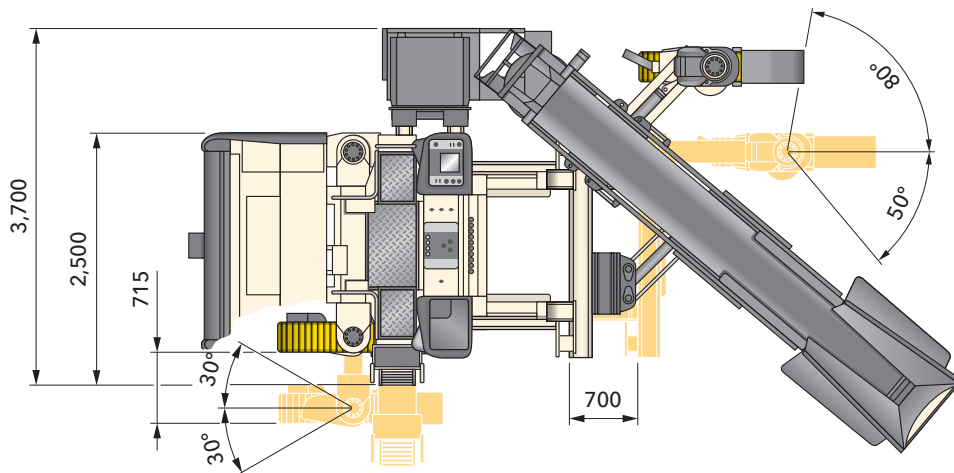
\*<sup>5</sup> = Weight of machine with half-full water tank, half-full fuel tank, driver (75 kg) and on-board tools

# Dimensions

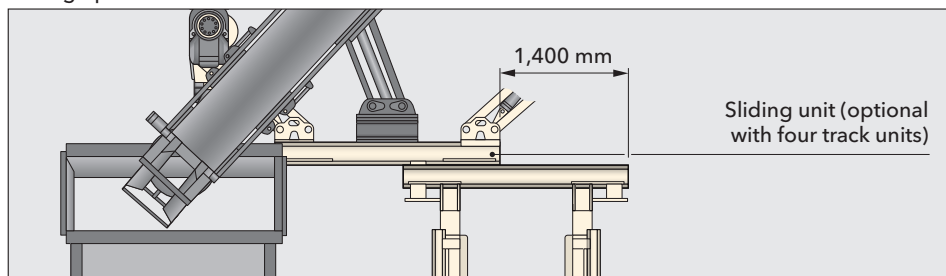
Offset machine: side view including belt conveyor



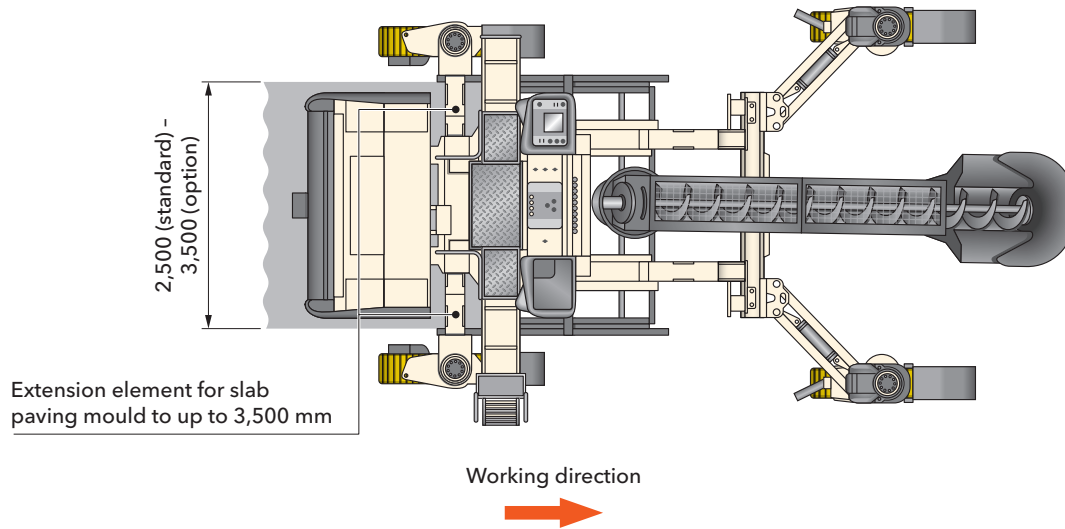
Offset machine: arrangement of track units



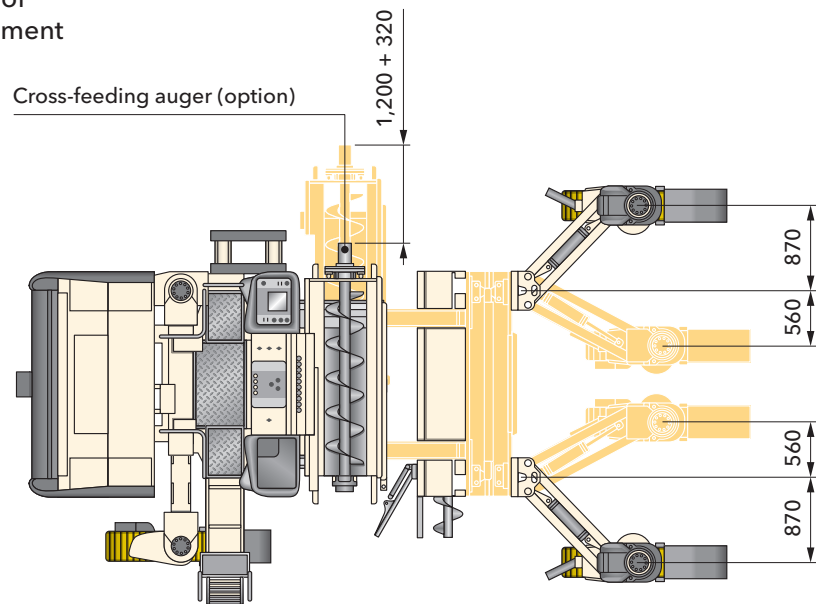
Sliding option for front chassis module



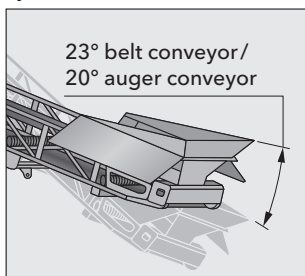
Inset machine: top view including auger conveyor



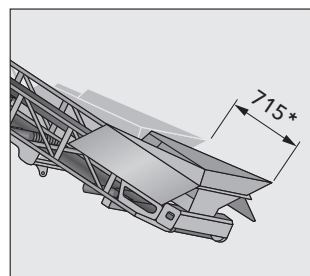
Offset machine: arrangement of track units and optional equipment



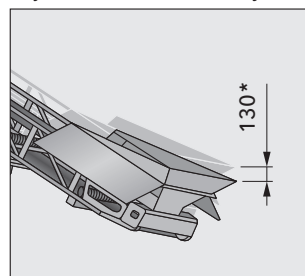
Tilt of concrete feeding system



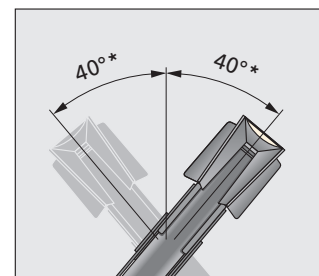
Slide of belt conveyor



Mechanical height adjustment of belt conveyor



Swing of belt conveyor



Dimensions in mm

\* = Details also applicable to auger conveyor

# Standard equipment

	SP 25	SP 25i
<b>Base machine</b>		
440 l fuel tank	■	—
375 l fuel tank	—	■
250 l hydraulic oil tank	■	■
Electrical system (24 V)	■	■
Hydraulic pump system	■	■
A hydraulic pump controlled by pressure and delivery flow, open circuit, for driving the crawler units	■	■
A hydraulic pump controlled by pressure and delivery flow, open circuit, for driving the hydraulic or electrical vibrators or for driving the crawler units in 2 <sup>nd</sup> gear	■	■
A pressure-controlled hydraulic pump, 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>		
Stable machine frame for attaching two crawler units at the rear and one or two track units at the front	■	■
Extendable by 0.70 m in length, in order to allow the machine to adapt to conditions on the construction site or to allow a trimmer set to be fitted	■	■
Extendable in width by 0.715 m hydraulically in the area of each rear crawler unit by one or both crawler units moving out, therefore either the machine stability is improved in the offset process when paving certain profiles, or the machine can be equipped with paving moulds between the rear crawler units for a working width up to 2.50 m	■	■
<b>Crawler unit and crawler unit connections</b>		
Hydraulically driven crawler units, 1.56 m long, transmission ratio 1:122, including device for towing away	■	■
Infinitely variable paving speed from 0 to 15 m/min	■	■
Infinitely variable transport speed from 0 to 35 m/min	■	■
Levelling hydraulic cylinder with 1.25 m stroke	■	■
Version with one rigid front crawler unit connection	□	□
Three crawler unit tracks with steel triple grousers	□	□
<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</b>		
Hydraulically telescoping suspension for offset paving moulds in one direction, stroke: 1.10 m	□	□
Offset paving mould up to 0.60 m wide (max. 0.40 m tall). (Note form TEI#2170960)	□	□
<b>Concrete equipment for offset paving</b>		
The offset paving moulds can be attached to the left or right side of the machine	■	■
Belt conveyor 4.90 m x 0.60 m, with reversible hydraulic drive, hydraulically adjustable	□	□
Steel chute	□	□
<b>Others</b>		
Machine preparation for installing the control unit for WITOS FleetView	■	■
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

	SP 25	SP 25i
<b>Crawler unit and crawler unit connections</b>		
Version with one slewing front crawler unit connection (parallelogram arm pair)	<input type="checkbox"/>	<input type="checkbox"/>
4th crawler unit and two pivoting front crawler units (parallelogram arms)	<input type="checkbox"/>	<input type="checkbox"/>
Three crawler unit tracks with polyurethane track pads	<input type="checkbox"/>	<input type="checkbox"/>
Four crawler unit tracks with steel triple grousers	<input type="checkbox"/>	<input type="checkbox"/>
Four crawler unit tracks with polyurethane track pads	<input type="checkbox"/>	<input type="checkbox"/>
Chassis sliding piece, front	<input type="checkbox"/>	<input type="checkbox"/>
Frame extension elements at rear, for paving mould from 2.50 m to 3.50 m width	<input type="checkbox"/>	<input type="checkbox"/>
Frame extension elements at front, for paving mould from 2.50 m to 3.50 m width	<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>Concrete spreading for road surface</b>		
Spreader auger 2.00 m for paving moulds	<input type="checkbox"/>	<input type="checkbox"/>
Spreader auger - extension element 0.25 m, clockwise pitch	<input type="checkbox"/>	<input type="checkbox"/>
Spreader auger - extension element 0.50 m, clockwise pitch	<input type="checkbox"/>	<input type="checkbox"/>
Spreader auger - extension element 0.75 m, clockwise pitch	<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"/>
Hydraulic vibration, addition (5x)	<input type="checkbox"/>	<input type="checkbox"/>
Electric vibration, addition (5x)	<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 equipment for carriageway paving</b>		
Mould boards series 900 m, basic width 1.00 m	<input type="checkbox"/>	<input type="checkbox"/>
Mould boards series 900 m/910 m - extension element 0.25 m wide	<input type="checkbox"/>	<input type="checkbox"/>
Mould boards series 900 m - extension element 0.50 m wide	<input type="checkbox"/>	<input type="checkbox"/>
Mould boards series 900 m - extension element 0.75 m wide	<input type="checkbox"/>	<input type="checkbox"/>
Mould boards series 900 m - extension element 1.00 m wide	<input type="checkbox"/>	<input type="checkbox"/>
Ancillary parts for mounting paving moulds (2.50 m/8 ft to 3.50 m/12 ft)	<input type="checkbox"/>	<input type="checkbox"/>
Trailing side header 2.80 m long, with depth mould boards	<input type="checkbox"/>	<input type="checkbox"/>
Metering gate for paving mould 1.00 m	<input type="checkbox"/>	<input type="checkbox"/>
Hydraulic height adjustment for metering gate	<input type="checkbox"/>	<input type="checkbox"/>
Metering gate - extension element 0.25 m	<input type="checkbox"/>	<input type="checkbox"/>
Metering gate - extension element 0.50 m	<input type="checkbox"/>	<input type="checkbox"/>
Metering gate - extension element 0.75 m	<input type="checkbox"/>	<input type="checkbox"/>
Metering gate - extension element 1.00 m	<input type="checkbox"/>	<input type="checkbox"/>

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# Optional equipment

	SP 25	SP 25i
<b>Concrete equipment for carriageway paving</b>		
Oscillating beam - basic width 2.00 m	<input type="checkbox"/>	<input type="checkbox"/>
Oscillating beam - extension element 0.25 m	<input type="checkbox"/>	<input type="checkbox"/>
Oscillating beam - extension element 0.50 m	<input type="checkbox"/>	<input type="checkbox"/>
Oscillating beam - extension element 0.75 m	<input type="checkbox"/>	<input type="checkbox"/>
Super smoother - basic width 2.00 m / 6.0 ft	<input type="checkbox"/>	<input type="checkbox"/>
Super smoother - extension element 0.25 m	<input type="checkbox"/>	<input type="checkbox"/>
Super smoother - extension element 0.50 m	<input type="checkbox"/>	<input type="checkbox"/>
<b>Concrete spreading</b>		
Belt conveyor 5.90 m x 0.60 m with reversible hydraulic drive, hydraulically adjustable	<input type="checkbox"/>	<input type="checkbox"/>
Belt conveyor 6.00 m x 0.60 m, folding, with reversible hydraulic drive, 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"/>
Auger conveyor 5.70 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"/>
Transverse spreader auger, length 2.50 m, specially for crash barrier moulds and trimmer insert	<input type="checkbox"/>	<input type="checkbox"/>
<b>Concrete equipment for offset paving</b>		
Hydraulically telescoping suspension for offset paving moulds in both directions, stroke: 1.10 m	<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 to 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 to 1.80 m wide (max. 0.40 m tall) (Note form TEI#2170960)	<input type="checkbox"/>	<input type="checkbox"/>
Offset mould board up to 0.90 m tall (max. 0.60 m base width), including hopper (Note form TEI#2170960)	<input type="checkbox"/>	<input type="checkbox"/>
Offset mould board up to 1.20 m tall (max. 0.60 m base width), including 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 to 1.20 m wide (max. 0.40 m tall) (Note form TEI#2170960)	<input type="checkbox"/>	<input type="checkbox"/>
Lower part for a split offset mould (AV) up to 0.60 m in width (max. 0.40 m tall)	<input type="checkbox"/>	<input type="checkbox"/>
Lower part for a split offset mould (AV) from 0.60 m to 1.20 m in width (max. 0.40 m tall)	<input type="checkbox"/>	<input type="checkbox"/>
Height adapter, for split offset paving moulds	<input type="checkbox"/>	<input type="checkbox"/>
Height-adjustable suspension with 0.40 m stroke for split offset paving moulds	<input type="checkbox"/>	<input type="checkbox"/>
1 set of hydraulic components for adjusting the sideplate of EV offset mould boards	<input type="checkbox"/>	<input type="checkbox"/>
1 set of hydraulic components for adjusting the sideplate of AV offset mould boards	<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 - 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, basic width, 0.60 m, right-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"/>

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	SP 25	SP 25i
<b>Operator's stand</b>		
Weather umbrella for operator's stand	<input type="checkbox"/>	<input type="checkbox"/>
Weather canopy for operator's stand, hydraulically telescoping in height	<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"/>
Lighting package with 4 halogen spotlights, 24 V	<input type="checkbox"/>	<input type="checkbox"/>
High-performance lighting package with 4 LED working lights, 24 V	<input type="checkbox"/>	<input type="checkbox"/>
High pressure cleaner unit with 460 litre water tank	<input type="checkbox"/>	<input type="checkbox"/>
Additional water pump, 24 V	<input type="checkbox"/>	<input type="checkbox"/>
Additional water tank, 460 litres	<input type="checkbox"/>	<input type="checkbox"/>
AutoPilot system (868 to 870 MHz) with field rover	<input type="checkbox"/>	<input type="checkbox"/>
Laser transmitter for AutoPilot including stand	<input type="checkbox"/>	<input type="checkbox"/>
Laser receiver for autopilot	<input type="checkbox"/>	<input type="checkbox"/>
Ultrasonic sensor for AutoPilot	<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	<input type="checkbox"/>	<input type="checkbox"/>
WITOS FleetView telematics system incl. 3-year operating period - PROMOTION	<input type="checkbox"/>	<input type="checkbox"/>
Daily rate for startup	<input type="checkbox"/>	<input type="checkbox"/>
Export packing	<input type="checkbox"/>	<input type="checkbox"/>

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