Versatile paving of monolithic profiles in top quality

Slipform paver SP 150
Maximum flexibility in offset concrete paving

The smallest in the Wirtgen slipform paver range sets new standards as a multi-purpose machine for offset concrete paving. The SP 150 has a compact design and impresses with its robustness in day-to-day site operation, its extremely high manoeuvrability and ease of operation. The machine is ideally suited to paving any monolithic profile using the offset method, as well as to placing more extensive pavements at a working width of up to 1.5 m. Our small multi-talent owes its versatility to the highly flexible arrangement of the paving mould and the track units. This wealth of configuration options makes the paver adaptable to any site condition, and results in unrivalled operating efficiency.

The compact SP 150 – a real multi-talent
Moulds in the most diverse profiles can be attached either to the right or to the left side of the machine.

The two front tracks can be mounted on the mainframe either rigidly or by swing leg setup. The rear unit can be shifted mechanically or hydraulically (optional).

The SP 150 leaves nothing to be desired in terms of versatility, availability and efficiency.

Flexible arrangement of the operator’s platform and all-round visibility ensure true ease of operation.

Options such as a trimmer unit, concrete feed via conveyor belt or screw, electric or hydraulic vibrators tremendously enhance the flexibility of the SP 150.

The compact dimensions of the slipform paver ensure smooth transport.
Machine and paving process – always under control

Easy operation and a clearly structured workplace

The SP 150 masters the most diverse challenges of state-of-the-art concrete paving, and is operated with just a few flicks of the wrist. But this is only logical since the language-neutral controls are placed exactly in their expected positions – in the operator’s direct field of view and within easy reach. The graphic display is mounted in the centre of the control panel. This multi-functional screen informs the operator of all relevant operating parameters on an event-driven basis. Little wonder, therefore that the easy, intuitive operation and the neatly arranged workplace prompt even seasoned operators to get enthusiastic about this machine.
The SP 150’s simple control panel design enables the operator to remain fully focused on the job.

It includes only a small number of controls and encourages intuitive operation.

Productive work right from the start – made possible by the unrivalled ease of operation of the SP 150.

The integrated graphic display informs the operator quickly and comprehensively of all relevant operation parameters.
The operator’s health and well-being is a key factor impacting the efficient operation of construction machinery - especially in the long term. This is ensured by the ergonomic design of the operator’s platform: Depending on the requirements of the job at hand, the control panel of the SP 150 can be positioned either on the left or on the right side, thus offering perfect visibility of the machine, paving process and surroundings – on both sides. The operator’s platform has a walk-through design and offers ample space and legroom. The platform can be accessed safely and conveniently via a ladder at the rear of the machine. The position of the ladder can be flexibly adapted to the specific conditions on the job site. Overall, the SP 150 provides all the features required for relaxed, stress-free working.
The control panel can be easily re-arranged in just a few turns.

Depending on the specific paving job, the access ladder to the operator's platform can be attached in various positions at the rear of the SP 150.

The soundproofing included in the standard CE package ensures extremely silent operation of the slipform paver.

The silent blocks supported operator's platform minimizes the impact of machine vibrations on the operator.

Ergonomics – a key efficiency driver

Safe access from the rear of the machine

The easy-to-mount protective screen (optional) protects the operator from both rain and sun exposure
Continuous concrete feed to ensure high daily outputs

Reliable, uniform concrete feed from the truck into the slipform is crucial to ensure the perfect paving of monolithic profiles. For this purpose, the SP 150’s standard features include a conveyor belt, while an auger is available as an option. Both feed units can be flexibly adjusted hydraulically: in longitudinal direction, in their angle of incline and about a slewing angle to feed a mould positioned on the right or left side. In addition, the machine includes a generously dimensioned hopper, which ensures complete feeding of the fresh concrete delivered.
The auger, which is completely lined with a wear-protective material, permits steep inclines during the concrete feeding process.

Easily accessible auger technology lowers operating cost.

- The conveyor belt is easy to clean, easy to maintain.
- A flexibly adjustable chute is used to discharge the concrete from the hopper into the slipform.

Counting on flexibility in concrete feed

Flexible adjustment of the chute

The conveyor belt is included in the SP 150 basic package
Easy mould positioning as per jobsite demands

Each job site is different! In order to fully respond to the specific site conditions at all times, the offset mould can be mounted to the right or left side of the machine. In addition, the mould can be shifted in horizontal direction by a telescopic suspension (hydraulically operated as an option). This feature enables profile paving both within and beyond the dimensions of the machine. The SP 150 is adjustable in height via its lift cylinders, offering a maximum profile paving height of 900 mm. In addition to the mechanical height adjustment of the track units, the suspension of the slipform is also adjustable in height (optional). Overall, the machine offers the utmost degree of flexibility on the construction site.
For perfect adjustment to the job conditions, the mould can be positioned on the right or left side of the machine.

Up to five frequency-adjustable vibrators placed in the mould ensure perfect compaction of the concrete mix.

Moulds can be mounted on both sides.

The telescopic suspension can shift the mould towards the outside by up to 700 mm.

SP 150 moulds are available in various designs, and are built to order specifications.

The intelligent quick-change system enables the moulds to be changed quickly and easily.
Track accuracy and stability for top-quality paving results

Individual and dual front track positioning can be (optionally) adjusted by switch.

Shifting the rear track unit ...

Depending on site conditions, the track units run close to the machine frame or in laterally offset position.

... can be adapted to the specific paving situation.

Highly manoeuvrable to take the right turning

All those who have ever used a slipform paver for placing small offset profiles have come to appreciate the excellent manoeuvrability of the SP 150. The steering system of the SP 150 has been designed to fulfil precisely this requirement – after all, the paving of narrow bends is one of the jobs this machine excels in. Both front track units can be easily repositioned using the optional telescopic swing leg, and provide perfect stability to the slipform paver even under adverse conditions. The rear track unit can be shifted in transverse direction – by mechanical means in the standard range, or by a hydraulic system available as an option. As a result, the unit always runs as close as possible to the paving profile, and ensures the quality results.
Both front track units are available in a rigid or swing leg mounted setup.

The basic range of features includes one rigid track unit connection and one pair of parallelograms acting as a swing leg. A second pair is available as an optional feature.

Depending on the specific application, the track units can be positioned either inside or outside the machine frame.

In crab steering mode, the steering system permits the machine to precisely approach pre-tensioned guide wires.
Innovative control technology from Wirtgen

Accurately adhere to defined parameters

Wirtgen control systems enable extremely accurate work to any given specification as per site conditions. They ensure both the automatic control of the paving height of monolithic profiles or road pavements, down to the very last millimetre, and adherence to their correct alignment and routing. The ingenious modular system offers highest flexibility since the machine can be operated via a guide wire or by a 3D control system, depending on the specific application. At the end of the day, the sophisticated technology ensures that the concrete profiles or surfaces produced by the SP 150 slipform paver precisely meet the specifications at all times.
On the basis of pre-defined reference values, the SP 150 can pave concrete profiles and surfaces very accurately and at high speed.

Even sections with difficult, narrow bends are easily handled by the machine’s control system.

The sensors in contact with the guide wire continuously transmit measured values to the control system.

Profile paving tailored to accurate fit

Paving alignment and paving height of complex profiles – safely under control

Different sensors involved in the process, such as wire scanner, slab tracer or slope sensor, guarantee perfect paving results.

The state-of-the-art Wirtgen wireless 3D control system (optional) impresses with its ease of use and simplified site logistics.
Easy maintenance access in the standard package

Totally simple – this has always been the guiding principle of Wirtgen when it comes to maintenance. The SP 150 makes maintenance very easy – and also fully meets this requirement. There are only a few, readily accessible service points – maintenance components can be easily replaced or inspected. In addition, the machine offers ample space for storing tools and sensors. It goes without saying that the operator saves precious time due to the machine's ease of maintenance that can be profitably used for the construction progress.
Transport dimensions and weight are within the limits to be exempt from any special approval or permit, and make it possible to transport the machine on small trailers.

Due to its manoeuvrability and compact dimensions, the SP 150 can be loaded quickly and offers ease of transport.

Small moulds mounted on the SP 150 remain connected to the machine during transport.

Short setup times after transport result in longer uptime and higher utilization of the machine.
Our multi-talent exploring diverse applications

Efficient completion of a large variety of monolithic profiles

Our SP 150 impresses with its extremely flexible mode of operation. This makes it an ideal companion in many places. Irrespective of whether the mould needs to be attached to the right or left side of the machine, or whether up to 900 mm high offset profiles or up to 1.5 m wide surfaces need to be paved – the range of possible applications is endless. The SP 150 thus ensures the quick, cost-efficient completion of long-lasting kerbs, barriers, water gutters, hard shoulders, narrow lanes or special profiles. To sum it all up, the small SP 150 has got what it takes – whatever the application.
On sites presenting difficult ground conditions, a trimmer unit can be mounted as an optional feature to create a perfect subgrade level.

Combined slipform systems, which can be equipped with various inserts due to their variable working width, enlarge the range of applications of the SP 150.

Being easy to transport and providing short change-over times, the machines can carry out various tasks on several sites on a single day.

All over the world, the machines have proven their worth on many job sites owing to their economical technology, heavy-duty design and long service life.

Paving the road to success – on any construction site

Paving of a water drainage

Simultaneous trimming and paving operation

Optimal accuracy in narrow bends