Wirtgen l The SP 33 enables concrete paving in offset and Crosspave modes

Fully modular machine design for a wide range of paving needs

**At this year’s Bauma, Wirtgen is showing the compact SP 33 – its latest slipform paver for the construction of monolithic concrete profiles. The machine can be used for concrete paving in offset and Crosspave mode This enables the realisation of a variety of different paving applications with just one machine.**

**Versatile, manoeuvrable and efficient: the slipform paver SP 33**

Wirtgen is showing the compact SP 33 – its latest slipform paver model for the construction of monolithic concrete profiles. Thanks to its modular construction concept and a wide range of setting options, the machine can be configured for use in almost all situations encountered on construction sites. Two track units with parallelogram swing legs at the front and a laterally adjustable single track unit at the rear enable zero-clearance paving and maximum flexibility. In offset mode, it can pave kerb and gutter profiles, rectangular profiles, and concrete barriers up to 1.3 m in height as well as sewer and drainage channel profiles. Concrete slabs with a paving width of up to 2.2 m can also be realised without any problems, or up to a width of 2.4 m in combination with a Trimmer. In Crosspave mode, the track units are turned by 90 ° and the machine then paves transverse to the direction of travel. The slipform mould is centrally mounted under the machine, which enables the paving of concrete slabs with widths of up to 3.0 m. The quick and easy conversion from one paving mode to the other makes the machine particularly versatile. In addition to delivering precise paving results, the capabilities offered by the machine also make it a particularly cost-efficient paving solution.

**Guided operating for concrete paving, transportation, and setting up the paver on the construction site.**

The new operating concept with event-driven graphic visualisation assists operators in their work with both paving modes. The machine control panel provides separate zones for clear and simple visualisation of the currently relevant machine information for each of the three main working phases: Transport, Set-Up, and Concrete Paving. For instance, in Set-Up, it visualises the set-up process on the construction site in a logical sequence that guides operating personnel through the successive set-up of individual systems such as the crawler units, the mould, the vibrators, the sensors, etc., intuitively, efficiently, and without errors.

**Load-dependent engine management in ECO-Mode**

The load-dependent engine management system identifies every working situation and the power it requires and automatically adjusts the speed of the diesel engine accordingly without intervention on the part of the operator. This ensures that the diesel engine runs within the envelope of optimal efficiency as often as possible. This leads to low diesel fuel consumption and simultaneous reductions of CO₂ and noise emissions.

**Stringless paving with AutoPilot 2.0 ensures high process efficiency**

The operator is also assisted by the AutoPilot 2.0 control system. In concrete paving, pavers are traditionally controlled by the scanning of a physical stringline. As an alternative, Wirtgen offers its field-proven AutoPilot 2.0 stringless paving system for all offset pavers and placer/spreaders. This completely eliminates the need for control by a physical stringline, which leads to considerable savings in terms of time and effort and increases the safety of the personnel on the construction site. The system controls both the height adjustment and steering of the machine. AutoPilot 2.0 also enables fast and precise paving of tight radii and complex geometries. A GNSS signal and, depending on the configuration, various local sensors, such as an ultrasonic sensor on the machine, act as a reference.

Photos:

  
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The Wirtgen SP 33 can pave a wide range of different monolithic concrete profiles, e.g. kerbs, kerb gutter profiles, rectangular profiles, concrete barriers up to 1.3 m in height or sewers and drainage channel profiles.

  
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The Wirtgen slipform paver SP 33 can pave concrete slabs with widths of up to 2.2 m in offset mode and up to 3.0 m in Crosspave mode.

  
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Thanks to the quick-change concept, exchanging offset and Crosspave moulds on the construction site is particularly quick and easy.

Please note: The photographs shown here are only previews. If you wish to publish them in other media, please download the higher resolution (300 dpi) versions from the Wirtgen Group websites.

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