



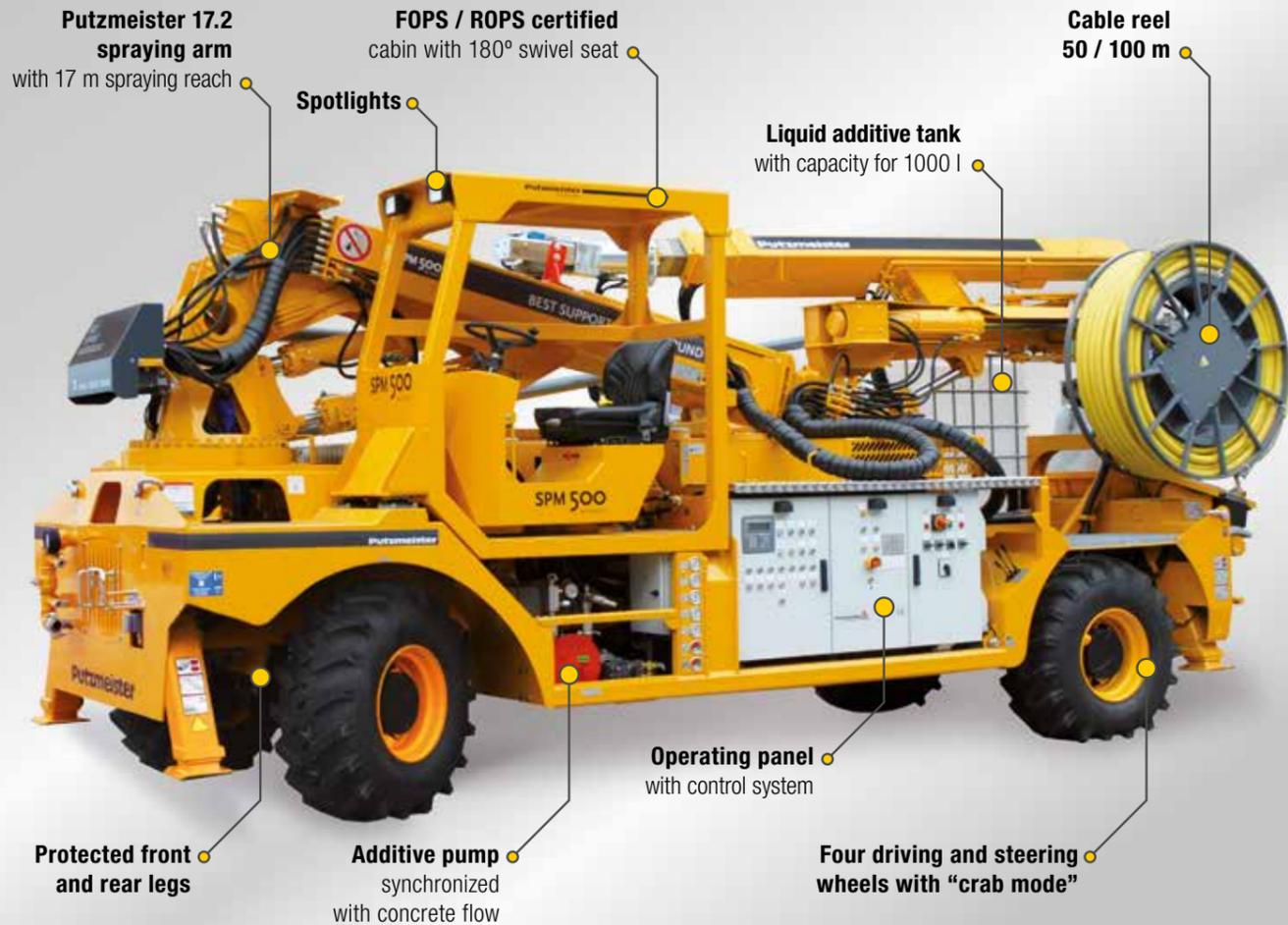
Putzmeister



SPM 500 Wetkret

Concrete spraying equipment

SPM 500 Wetkret – efficient technology for concrete spraying



The SPM 500 Wetkret series has proven its efficiency and reliability in a large number of projects all over the world

- 1 Ave Ulloa Tunnel, Santiago de Compostela, Spain
- 2 Mayari Water Transfer Project, Cuba
- 3 Suhua Highway Upgrade, Taiwan
- 4 Hokkaido Tunnel, Japan
- 5 Crossrail Tunnel London, UK

SPM 500 Wetkret

The SPM 500 Wetkret series has proven its efficiency and reliability in a large number of projects all over the world. With a vertical spraying reach of 17 m and a concrete flow of 30 m³/h, the machine is suitable for both medium and large section tunnels, galleries and slopes.

The standard version of the SPM 500 Wetkret series is operated electrically and is optionally available with an electric air compressor built into the chassis.

SPM 500 Wetkret DIESEL DRIVE

The SPM 500 Wetkret DIESEL DRIVE version is equipped with a diesel drive system so that all the spraying operation components can be operated by the combustion engine, which means the machine works in places where no power supply is available.



SPM 500 Wetkret – tailored to your needs and the toughest working conditions

Putzmeister chassis: Strong, compact and versatile

The chassis is designed to work in the toughest conditions in line with the requirements in mines and tunnels. Over and above its compact dimensions, the four driving and steering wheels and the “crab mode” increase its perfect manoeuvrability in difficult driving situations even more. The machine has 2 front and 2 rear legs, protected against possible impacts, which permit the proper stabilization of the machine so as to proceed with operation on any kind of ground. Its optimum ground clearance permits agile driving over uneven surfaces. The two-speed driving system allows the machine to travel quickly over level surfaces and climb gradients of up to 35 % at low speed. Thanks to its positioning and design, the driver cabin assures perfect visibility in any situation.

Automatic synchronization of additive dosage and concrete flow

The SPM 500 Wetkret series is equipped with an automatic system for high precision synchronization between the concrete pump and the additive dosing unit.

The peristaltic additive pump is controlled electronically. It is equipped with an automatic dosing device proportional to the concrete flow, thereby assuring spraying accuracy and quality. This pump is built with wear and corrosion resistant components and is able to work with liquid additives of all kinds.

Putzmeister concrete pump: 30 m³/h

Putzmeister has been world famous as the manufacturer of concrete pumps par excellence for over 50 years. Putzmeister is synonymous with top quality, innovation and reliability. The concrete pump mounted on the equipment is specially designed for concrete spraying, guaranteeing high performance, low pulsations and a long life for the wear parts. The efficiency of the Putzmeister concrete pump is unique.



Agitator in hopper and grill with electric vibrator. Steel or polymer fibre pumping. Easy to open for maintenance and cleaning



Centralized lubrication system for proper machine maintenance



The large diameter and long stoke minimize pulsations and lengthen the life of the concrete pump wear components



SPM 500 Wetkret – tailored to your needs and the toughest working conditions



All controls available in remote control

All the machine functions are available in the remote control, including automatic spraying sequence start and stop functions (air, concrete and additive), which facilitates the operator's work. The remote control permits full regulation of concrete output, as well as adjustments to the predefined additive dosage.

Remote control for easy and precise handling of spraying arm movements. Optional proportional radio remote control

Multilingual colour display, showing concrete flow, additive dosage, faults, diagnoses and alarms



On-board compressor: For total autonomy

Despite its compact size, the SPM 500 Wetkret series includes the option of an electric worm compressor built into the chassis, which endows it with high mobility and the possibility to work autonomously. The air flow of 11 m³/min permits efficient high quality spraying.

On-board compressor built into the chassis for fully autonomous machine operation



Spraying arm: Sturdy, fast and precise

Thanks to its articulated and telescopic design, the arm can be deployed in a minimum section. The hydraulic spray lance allows horizontal alignment to be maintained automatically, which facilitates handling the spraying arm. The automatic spray lance movement and nozzle oscillation facilitate the operators work, so that he can concentrate on spraying finish quality, while increasing productivity and efficiency. The anti-stick system of the telescopic arm extends the life of the components and facilitates cleaning.

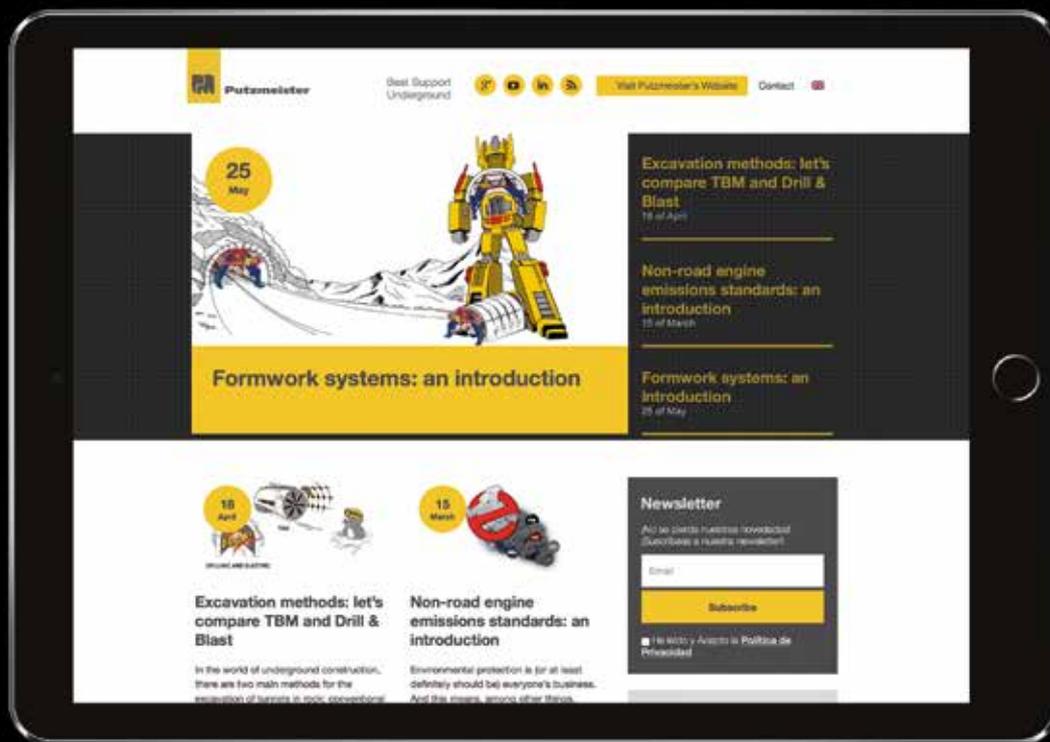


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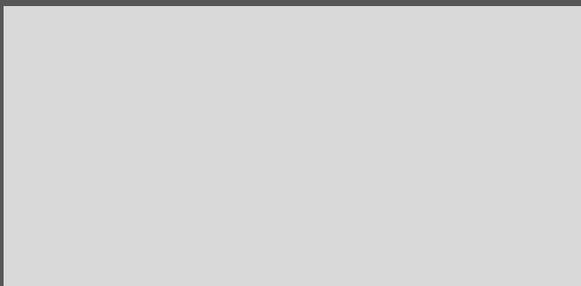
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This is a merely informative, non-binding document. Maximum theoretical values listed. Specifications are subject to change without prior notice. Photos and drawings are for illustrative purposes only. For available options, please consult the factory.

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