



Putzmeister



Wetkret 4210

Concrete spraying equipment

Efficient technology for concrete spraying

WETKRET4210



SAFE AND ACCURATE CONCRETE SPRAYING IN MEDIUM AND SMALL SECTIONS OF TUNNELS AND MINES

The Wetkret 4210 has been designed based on the experience gained with numerous units of the SPM 4210 Wetkret equipment in underground projects worldwide. This experience has allowed us to perfect the design and functionalities of the new model to meet the most demanding needs of our customers.

It stands out for its simple operation and articulated chassis that provides exceptional manoeuvrability in underground environments, as well as the incorporation of our latest pumping technology with OPS control system and a performance of 20 m³/h synchronised with the additive flow through the software. The spraying arm with a 10 m vertical reach, tested in numerous projects worldwide, ensures quality projection from a safe zone for the operator thanks to its remote control. The equipment is available with a diesel engine compliant with Stage V regulations.

- Articulated chassis for advanced maneuverability
- Safe design & Easy Maintenance
- Electric air compressor incorporated into the chassis (optional)
- Automatic Additive Synchronization
- 20 m³/h Pumping Output with OPS control system, the latest Putzmeister technology



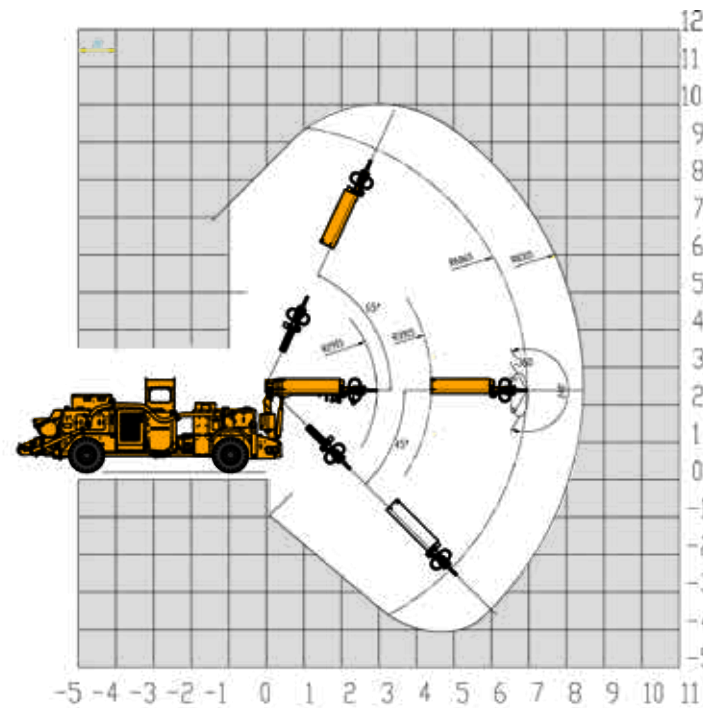
Designed based on extensive experience gained through demanding underground projects worldwide

WETKRET4210

Optimized spraying system

The Putzmeister SA 10.1 spraying arm, tested in numerous projects worldwide, has four extensions (three of them telescopic), 360° rotation and a vertical reach of 10 m and 8.5 m horizontal, ensuring efficient and safe projection for the operator thanks to its remote control.

The remote control, available in HBC or Hetronic versions, allows the operator to work from a safe zone, managing telescopic movements, arm opening and closing, elevation and rotation, as well as the head ergonomically and precisely. This not only improves the quality of the projection finish but also increases productivity and efficiency. Additionally, the incorporation of LED lights ensures optimal visibility of the work front, even in low light conditions.



Advanced pumping technology

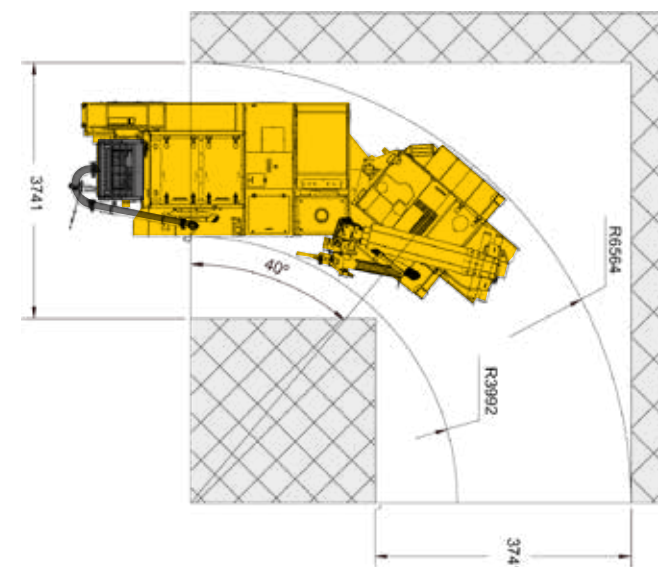
Putzmeister is globally recognized as a leading manufacturer of concrete pumps, with innovation and development in this field being the foundation of its business, making it a benchmark in the sector.

The heart of the Wetkret 4210 incorporates our latest electric operation pumping technology with OPS control system, resulting in lower pulsation, easy maintenance common to other Wetkret line equipment. It offers a performance of 20 m³/h at 70 bar synchronized with the additive flow.

With automatic additive synchronization

Like other Putzmeister Wetkret series equipment, is managed through the intuitive control panel by entering the desired parameters to ensure exact dosing in real time.

This dosing system includes a hydraulic pump with a flow rate of 60 to 500 l/h (optionally up to 1,200 l/h) at 10 bar pressure, and a 400 l tank. The operating software, common to other Wetkret models, facilitates training and adaptation of operators already familiar with other Putzmeister equipment.



Built for tough terrain

The Wetkret 4210's traslation system offers maximum performance in complex underground environments, making it ideal for mining and underground construction projects with medium to small galleries.

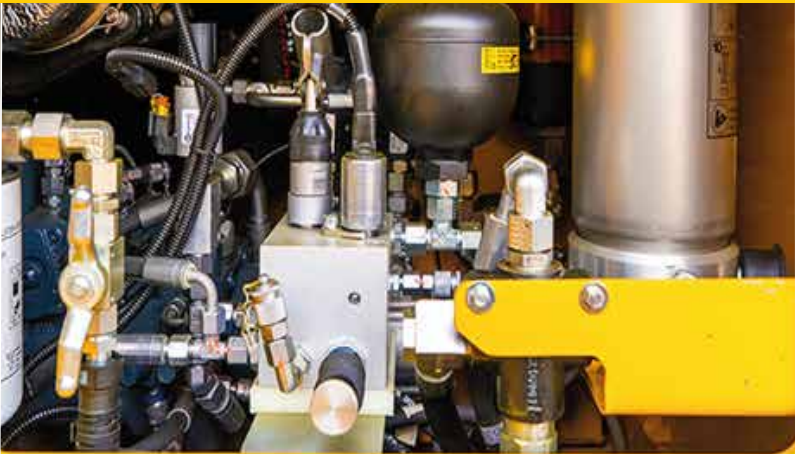
The equipment is equipped with a Deutz diesel engine that complies with Stage V emission regulations and offers 55 kW of power. The variable hydrostatic transmission and robust axles guarantee optimal performance on difficult terrain, with a traslation speed of up to 16 km/h and the ability to overcome slopes of up to 35% longitudinally and 10% transversely.

Tailored to your needs and the toughest working conditions

WETKRET4210

Driver safety & ergonomics

The new transverse cabin of the Wetkret 4210 improves visibility and driving ergonomics, enhancing visibility and bidirectional driving. FOPS/ROPS-certified with plug-in design facilitates maintenance without compromising security. The driver's seat with mechanical suspension or optionally pneumatic suspension has a seat belt and presence sensor, preventing equipment movement if the operator is not correctly seated.



Total braking safety

Safety is guaranteed by a dual brake circuit and an emergency brake that can be activated from the cabin. Additionally, a manual parking brake release system is offered at the machine's foot to facilitate towing if necessary.



Integrated cleaning system

Our experience in underground mines worldwide confirms the importance of preventive maintenance in underground environments and specifically, proper and prompt cleaning of robotic shotcrete equipment. This ensures correct operation, extends service life and prevents unnecessary downtime. Therefore, all our equipment has a complete onboard cleaning system, allowing preliminary cleaning immediately after completing work without relying on external equipment.

The Wetkret 4210 is no exception. This equipment is equipped with a high-pressure cleaning system that includes a high-pressure water pump (13.2 l/min, optionally 30 l/min at 140 bar) with its spray gun.



Built for safety. Maintenance-friendly design

The Wetkret 4210 stands out for its articulated chassis with reinforced steering system, providing exceptional manoeuvrability in underground environments.

Its design has been focused on safety and maximising accessibility and convenience in maintenance. The components that require more maintenance are located at the front of the equipment, while the rear specialises in components necessary for concrete spraying. This separation allows easy and safe access to elements that require more attention, such as the stainless steel control panel with IP65 that separates high and low voltages, batteries and hydraulic oil filters.



Enhanced safety with optimized circuits

Regarding hydraulic and electrical circuit design, they are also focused on safety and ease of maintenance. Physically separated to prevent unexpected oil leaks from causing short circuits, optimised and protected as they pass through the central node (common in SPM 4210 Wetkret equipment tested in numerous units worldwide), increasing safety while simplifying inspection and repair tasks.



Options based on our experience

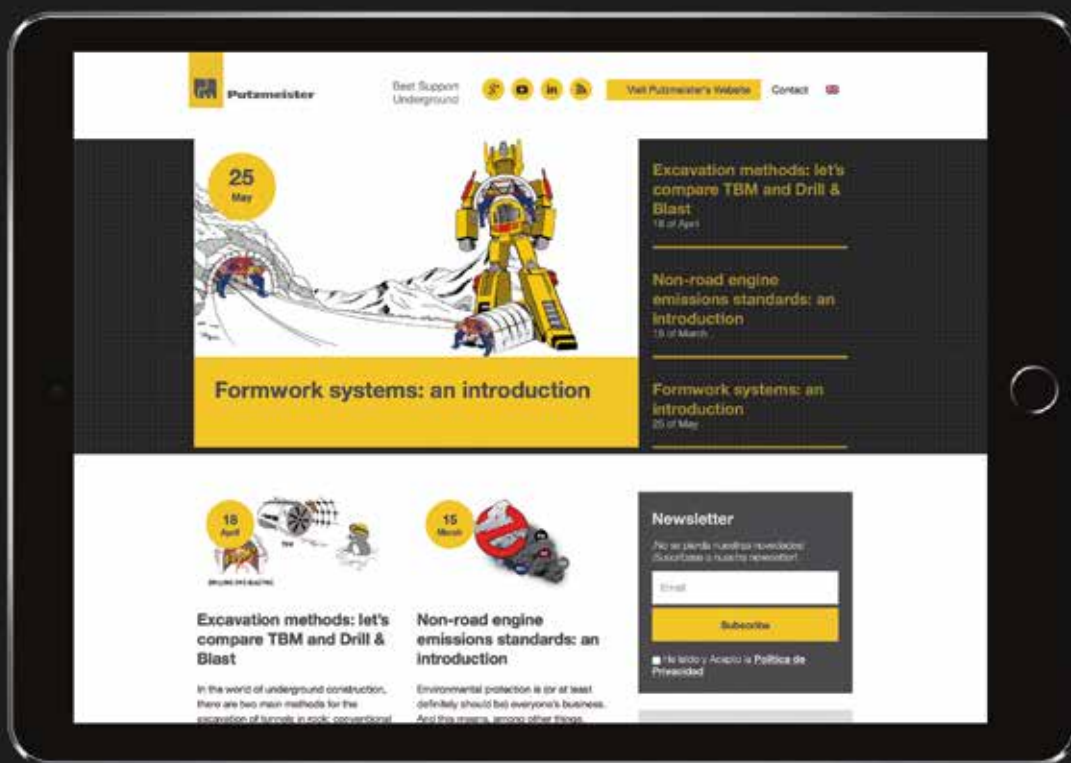
With over 35 years of experience working on underground projects worldwide, this knowledge acquired over all these years helps us offer our customers solutions tailored specifically to each project. Options available for Wetkret 4210 include a 37 kW electric compressor with a flow rate of 6.8 m³/min mounted on the equipment itself, higher flow additive systems, DAFO or ANSUL fire suppression systems, Michelin tyres among others.

Putzmeister Underground Technology

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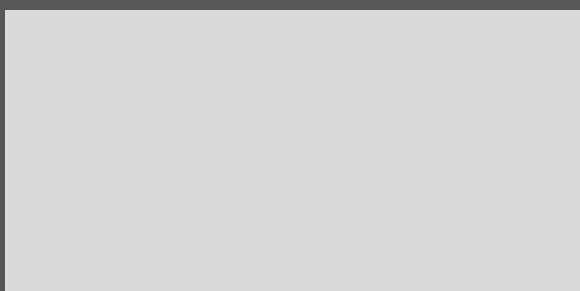
Shotcrete in underground mining
and much more...



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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Distributed by:



 **Putzmeister**

Putzmeister Ibérica S.A.

Camino de Hormigueras 173 · 28031, Madrid (Spain)

Tel. +34 91 428 8100 · contacto@putzmeister.com

www.putzmeisterunderground.com