

**Contact:** Marketing Putzmeister Underground  
Christine Krauss  
Camino de Hormigueras, 173  
28031 Madrid

Tel. +34 91 428 8097  
Fax. +34 91 428 8127  
Email: [kraussc@putzmeister.es](mailto:kraussc@putzmeister.es)  
Date: 02.09.2013

**Putzmeister Concrete Spraying and Transport Equipment exhibited at PERUMIN / EXTEMIN 2013 mining convention in Arequipa, Peru - September 16 – 20, 2013**

The PERUMIN mining convention is considered one of the most important mining events in Latin America, organized by the Institute of Mining Engineers of Peru (IIMP) since 1954. PERUMIN hosts the Mining Technology Exhibition EXTEMIN, presenting the most important national and international suppliers of mining goods and services. You will find the Putzmeister exhibition stand in the outdoor area EXTERIOR 3, Stand No. 2089-90 / 2094-96.

**Visit the Putzmeister Exhibition Stand: Outdoor Area EXTERIOR 3 - Stand no. 2089/90, 2094-96**

The Putzmeister Underground Division will showcase its concrete spraying system 4210 SPM WETKRET DUAL DRIVE, as well as the low-profile concrete mixer MIXKRET 4. Besides, the Putzmeister Solid Pumps division will be present, which supplies high density piston pumps for transporting tailings and backfilling paste in mining. Furthermore, the Putzmeister Powercreter Magnum will be exhibited, a wet shotcrete pump for concrete repair works.

**Diesel or electrically powered concrete spraying with SPM 4210 WETKRET DUAL DRIVE**

The SPM 4210 WETKRET DUAL DRIVE version has a dual drive system so that all the components can be operated both by diesel engine and electrically. The machine is optionally available with an on-board electric or diesel air compressor. Its reinforced spraying arm provides a vertical spraying reach of 10 m, and the maximum concrete output of the Putzmeister double-piston pump mounted on the equipment is 20m<sup>3</sup>/h. The proportional remote control, which can be operated both by cable and wireless, allows the easy operation of the spraying arm as well as the regulation of the concrete output and the adjustment of the pre-defined additive dosage. The peristaltic additive pump is equipped with an automatic dosing device to synchronize the additive dosage with the concrete flow, assuring spraying accuracy and quality. With heavy-duty axles and a reinforced articulated turning system, the SPM 4210 WETKRET series is designed for the rough working conditions in mining.

**Low-profile concrete mixer MIXKRET 4 with ICVD drive system**

MIXKRET 4 is equipped with a 6-cylinder, 130 kW turbo engine, providing high climbing and moving power as well as the possibility to work at high altitudes. With the ICVD drive system (Integrated Continuously Variable Drive) it is possible to drive through the entire speed range without interrupting the traction force, increasing comfort for the driver and reducing fuel consumption. The compact design and heavy-duty axles, both used for steering and driving (4WD and 4WS), provide mobility and maneuverability in narrow galleries and tunnels. Furthermore, the machine features an automatic speed control system for moving down slopes fully loaded at the maximum secure speed. The cabin, mounted in machine direction, and the night-vision camera at the rear, facilitate maneuvering and ensure visibility conditions at all times, increasing safety. The concrete transporting and mixing drum of Putzmeister Mixkret 4 provides a concrete capacity of 4 m<sup>3</sup> and optionally includes an additive discharging system for transporting and transferring additives to the shotcrete equipment.

### **Putzmeister Solid Pumps: Solutions for transporting and storing sludge and high-density materials**

The solids pumps company of the Putzmeister Group manufactures high density piston pumps for pumping slurries, sludges and pastes. In mining, our pumps transport the tailings to the dam/filter or transport backfilling paste into the underground mines. The pump system features a piston pump, a hydraulic power pack to drive the pump and an electric cabinet with a PLC, control and operation panel. Putzmeister piston pumps can operate with a solid content of up to 85 %, depending on material composition. With an output of up to 150bar they can pump over distances of up to 11 km and achieve effective pumping throughputs of approximately 500 m<sup>3</sup>/h.

### **Putzmeister Powercreter Magnum**

With a capacity of 3,8 m<sup>3</sup>/h and a concrete pressure of 122 bar, Putzmeister Magnum Powercreter is the most versatile concrete repair pump by Putzmeister. It is ideal for wet-process shotcrete in civil applications. The Powercreter magnum has a powerful 46 hp (34 kW) Deutz diesel engine and conveys low slump concrete and packaged high-performance materials over long distances.



*Photo: SPM 4210 WETKRET concrete spraying system at work*