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The Putzmeister S 5 EVTM universal worm pump at bauma 2025 in Munich

Why complicate things when the S5 is both simple and flexible?

Aichtal, February 2025 – The S 5 worm pump is particularly impressive thanks to the high level of flexibility offered by its modular design. At the heart is a worm pump with powerful 5.5 kW drive, perfect for machine operators who need to pump and spray pumpable wet mortar with a particle distribution up to 6 mm. Those who want to process high-quality materials can go straight for the S 5 EVTM or upgrade the S 5 EV to the S 5 EVTM at any time with a plate mixer for the extended version – along with many other possibilities for adaptation. Now the machine is offering a few new functions that will simplify working with mix-sensitive mortars in particular. From Monday 7th April to Sunday 13th April, visitors will be able to see these flexible machines in the flesh in Hall B6 of bauma in Munich.

The S 5 universal worm pump from Putzmeister Mortar Machines will stop at virtually nothing: It processes both premixed dry and wet mortar with a maximum particle size up to 6 mm at a high output. When it comes to the feed-in, it makes no difference whether the material comes from a container or silo. The flexible construction permits a wide variety of uses. It can process the most diverse range of mortars and plasters: Base plaster and insulating plaster, scratch coat plaster and textured plaster, spray and structural plaster, rough finish plaster, adhesive bridges, masonry mortar, fire protection mortar, sealing slurry, injection mortar, filling mortar and anchor grout, dispersion plaster, fibre mortar, glass fibre reinforced concrete or cementitious adhesive. Different worm parts can be used for different material types.

The S 5 will be presented in the EVTM version with its typical yellow plate mixer at bauma. The S 5 EVTM is a best seller among Putzmeister worm pumps.

**Exactly metered, perfectly mixed**

Some materials, such as SPCC and PCC mortars require special handling. The S 5 universal worm pump makes this simple for the machine operator. Firstly, by offering precise water metering: The setting for the water volume can be controlled with one simple button press. This allows the precise addition of 0–99 litres with the set volume shown on the display. Secondly, the timer relay allows the mixing process to be set for a certain duration and automatically stopped. Last but not least is the switch to change the direction of rotation. Allowing the plate mixer to turn in both directions is an extremely practical feature that can influence the mixing result of a site mix in a very targeted manner. In this way, SPCC and PCC mortars, on which the mixing time has a major impact, are always of a consistently high quality.

**High performance**

The worm pump is driven by a reliable 5.5 kW motor – and with a delivery pressure of up to 25 bar, it offers a delivery rate of 7–40 l/min. The maximum delivery distances are 60 m horizontally and 40 m vertically. The material quality, material composition and material consistency as well as delivery hose diameter are all significant factors for quality on site. The delivery rate is infinitely adjustable using a handy rotary control.

**Robust and easy to maintain**

Layout, material and processing have all been designed with the hard, everyday work of the construction site in mind, as well as with an awareness of quick, economic working. The large, robust 100 l material hopper and the mixer have been optimally coordinated to ensure swift processing of materials. The intelligent design of the mixing tools delivers consistently high quality. The protective grille with integral safety switch folds open to provide full access for maintenance and cleaning.

**Smart design, uncomplicated operation**

The machine is operated and adjusted by means of an additional potentiometer which is integrated into the control cabinet. The central control cabinet also serves as a power distributor for attached devices such as a plate mixer. The Cardan shaft and rotor are simply plugged in. As a result, no tools are needed and replacing worm parts or the pump is faster and simpler.

**About Putzmeister Mortar Machines**

Putzmeister Mortar Machines GmbH is part of the Putzmeister Group and specialises in the development and production of mortar machines and screed pumps. The applications covered range from cement screed, self-levelling floor screed and plaster to shotcrete, fine concrete and other special applications. Putzmeister Mortar Machines includes the brands Putzmeister, Brinkmann and Lancy. Products are manufactured at the company headquarters in Aichtal, Germany, and in Floirac (near Bordeaux) in France.

**About the Putzmeister Group**

﻿The Putzmeister Group develops and produces machinery of high technological quality in the fields of concrete conveying, truck-mounted concrete pumps, stationary concrete pumps, placing booms and accessories, plant technology, conveying industrial high-density solids through pipes, concrete spraying and transport in tunnels and below ground, mortar machines, plastering machines, screed conveying, injection and specialist applications. Market segments are the construction industry, mining and tunnel construction, major industrial projects, power and sewage treatment plants as well as waste incineration plants worldwide.

The company is based in Aichtal, Germany. With over 4000 employees, the company achieved a turnover of 1 billion euros in the 2023 financial year.