



BRINKMANN



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Press-Information No.: 1951

Date: 9/2021

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First successful practical application

Putzmeister P 720 Synchro in endurance test

Aichtal / Damüls 2021. "Always making good things even better" - this is the guiding principle of the Swabian developers and engineers of the globally successful manufacturer of mortar machines and truck-mounted concrete pumps Putzmeister. And so, in July 2021, the new P 720 Synchro was able to convince in a practical test for the first time in Damüls, Austria!

The partner was the company Gebrüder Rüf from Au in the Bregenzerwald. The broadly positioned family business, now managed by the 2nd and 3rd generations of Bruno, Christoph and Josef jun., offers a range of services from civil engineering, special civil engineering, earthmoving, blasting and demolition work to raw material extraction and building materials trading. This summer, an extensive slope stabilisation project was on the agenda in Damüls, where the Rüf brothers were happy to put the brand new P 720 Synchro piston pump through its first "real" large-scale practical test.

"Synchro" - The synchronised Additive Dosing System on board

The P 720 / P 730 piston pumps are equipped with a hydraulic additive dosing unit that meters the additive synchronously with the concrete flow and keeps it constant via the integrated machine control. Especially when processing shotcrete, this makes the addition of accelerator easier and more precise than ever. At a maximum working pressure of 10 bar, the additive dosing unit enables a delivery rate of 30 to 380 l/h, which in turn can be checked and influenced directly on the integrated machine display. Of course, this also applies to all other relevant settings, which can be controlled and adjusted centrally via the control panel.

Consistent, consistently high material quality - guaranteed !

"Particularly in our alpine landscape, shotcrete is popular as a multi-talent in slope and rock stabilisation," Rüt can report from practical experience. "That's where the automatic synchronisation of the additive dosage with the concrete flow is an enormous labour-saving feature." Once the material quality has been optimally set for the individual job site, the new control of the additive dosing unit doses the exact amount of additive required for the optimal shotcrete result.

Complete integration for the optimal user experience

Until now, the controls for the P 715 / P 718 piston pumps and the metering pump were separate, independently operating units. With the new P 720 / P 730, the control of the metering pump has now been integrated into the main control of the machine for the first time. The advantage for the user: there is only one control panel with display for the full range of functions of the piston pump and the additive pump. In addition, the systems now work hand in hand.

Technical advancement lowers costs

When using the new P 720 with the "Synchro" option, the user ultimately saves money. The metering quantity of the additive does not have to be readjusted every time spraying is interrupted or the delivery rate is adjusted. The "Synchro" option thus prevents unnecessary consumption of the more expensive additives. In addition, the "EOC" function of the piston pump minimises fuel consumption by reliably realising the set concrete delivery rate while automatically keeping the diesel engine speed as low as possible. The perfect combination of comfort and safety in use and savings for the user.

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 viscous industrial materials through pipes, concrete spraying and transport in tunnels and underground, mortar machines, plastering machines, screed conveying, injection and specialist applications. Market segments include the construction industry, mining and tunneling, large industrial projects, power plants and sewage treatment plants, as well as waste incineration plants, all over the world.

The company is based in Aichtal. With approx. 2,960 employees, the company achieved a turnover of EUR 632 million in the year 2020.



The Putzmeister P 720 piston pump is often used for slope stabilisation in alpine terrain.



The new P 720 with the "Synchro" option is the perfect choice for shotcrete applications.