

Bibko Umwelt- und Reinigungstechnik GmbH, 71717 Beilstein, Germany

New residual concrete recycling system for TBR Leutkirch – Isny

Transportbeton Leutkirch – Isny GmbH & Co. KG, which belongs to the Schwenk Group TBR, has invested at its Leutkirch plant in a new recycling system from Bibko with washing option for concrete pumps. The company operates two modern tower plants at each of its locations in Leutkirch and Isny in the Allgäu. The local construction industry has been supplied with ready-mix concrete at the two locations since the mid 1960s. Flowing screed is also produced in addition to the usual standard concretes. Two conveyor belt mixers, a truck-mixer pump and two screed screw pumps are available in addition to the usual truck mixers for flexible customer deliveries.



Transportbeton Leutkirch – Isny GmbH & Co. KG has invested at its Leutkirch plant in a new recycling system from Bibko with washing option for concrete pumps.

The task was to wash out two truck mixers as well as a concrete pump. The delivery was preceded by a corresponding project planning phase in which the local conditions were considered.

The ComTec trough system was chosen in order to be able to process the accumulating concrete residues quickly. The wash-out machine was designed with an external dosing bucket conveyor, which is similarly driven by the main drive of the wash-out machine.

The concrete pumps wash the fed-in recycling material into the bucket conveyor via a hopper set into the ground. The material is conveyed from here into the washing chamber. This makes inexpensive, fast washing of the concrete pumps possible. In parallel, two truck mixers can discharge the recycling material in the mixing drum simultaneously and quickly into the hoppers located at the sides.

In the washing chamber, solids > 0.2 mm are discharged after washing by the screw conveyor system supplied with the plant and can then be re-used for the further manufacture of concrete. The washing performance of the ComTec Type 20 is around > 20 m³/h.

The recycling water runs via the machine outlet and an open, galvanized steel chute into the existing agitation tank. The tank (5 x 9 m) has two agitators that keep the fines < 0.2 mm in suspension. If required, the recycling water is subsequently fed to the mixing process together with the fines by means of submersible pumps, and the water circulation closes.

The Bibko ComTec system features the 1,600-times proven, patented bearing that was located outside of the water bath to prolong its service life. Furthermore, the machine was hot-dip galvanized, is winterproof and fitted with a hinged aluminium cover. ■

FURTHER INFORMATION



Bibko Umwelt- und Reinigungstechnik GmbH
Steinbeisstraße 1+2, 71717 Beilstein, Germany
T +49 7062 92640, F +49 7062 926440
info@bibko.com, www.bibko.com