

Bibko Umwelt- und Reinigungstechnik GmbH, 71717 Beilstein, Germany

# W. Mayer Transportbeton GmbH invests in a new residual concrete recycling plant

**W. Mayer Transportbeton GmbH is a family-run company based in Östringen. The company has been active in the ready-mix concrete industry since 1972. Due to its decades of experience in dealing with concrete and its modern plant equipment, the company manufactures concrete of a constantly high quality. The range of services includes not only the production and delivery of ready-mix concrete, but also the hiring out of concrete pumps, whereby the customers are offered short reaction times and the greatest possible flexibility.**

To ensure the greatest possible adherence to schedules and delivery reliability, the company maintains a correspondingly large vehicle fleet of its own. The fleet currently consists of nine truck mixers (up to a capacity of 10 m<sup>3</sup>), two truck-mixer pumps and a truck-mounted concrete pump. In 2017 the company decided to invest in an environmentally friendly Bibko® residual concrete recycling system in order to solve the problem of disposal of the residual concrete. Following a project planning phase and consideration of the customer requests, the decision fell on the ComTec30 recycling system.

The machine is equipped with an external dosing buffer, which enables the surge emptying of the truck mixers. The dosing buffer takes up the entire residual concrete together with the washing water and pumps it continuously into the washing system. The dosing buffer itself is equipped with a 7.5 metre-long charging hopper and three fixed rinsing gibbets.

Concrete pumps can be washed out via a separate, floor-level charging hopper without a separate device having to be used. A 5 metre-long screw conveyor provides for optimal discharge of the washed-out material from the machine.

The supplied ComTec30 system has a recycling capacity of 30 m<sup>3</sup>/h. The system is equipped with a recycling water treatment system in which the residual concrete is fed into the machine in even doses via the dosing buffer after filling the truck mixer with recycling water. When washing out concrete pumps, this takes place directly via the floor-level hopper.

Larger solids (> 0.2 mm) are washed out and removed appropriately. The water with the fines < 0.2 mm flows via a recy-



*The decision fell on the ComTec30 recycling system.*



The supplied ComTec30 system has a recycling capacity of 30 m<sup>3</sup>/h.

clinging water drain channel into an agitator tank equipped with an agitator. This agitator keeps the fines in the residual water in motion by means of cyclic stirring and prevents the residual concrete from settling.

The accumulating residual water is returned completely to the concrete mixing process so that a constant circulation is ensured and the water balance is kept constant in this respect.

Furthermore, the system is equipped with a density measurement that has been specially pre-calibrated for residual concrete water and automatically checks the density of the residual water in the recycling water tank on a regular basis, indicating the value via the control display on the control cabinet.

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



Stetter batching plant M 2.5 RS  
 Kenzingen, Germany

# Stetter batching plants

- Concrete production with maximum efficiency and reliability
- Large variety of installation and equipment options
- Stable, fully galvanized steel construction.
- Designed and made in Germany
- Long service life and easy to maintain
- Experience from more than 8,000 batching plants sold worldwide
- Optional fully-automatic high pressure mixer cleaning system and connection to bucket conveyor system



RECORD BREAKING ENGINEERING

Stetter GmbH · Dr.-Karl-Lenz-Strasse 70 · 87700 Memmingen, Germany · Tel.: +498331-78-0 · info@stetter.de



**SCHWING**  
**Stetter**

www.schwing-stetter.com