



Bibko Umwelt- und Reinigungstechnik GmbH, 71717 Beilstein, Germany

New residual concrete recycling system especially for precast and smaller ready-mix production facilities

Structo NV was founded in Bruges, Belgium, in 1948. Since that time, the company has made a name for itself – even across borders – with its precast concrete component and prestressed concrete products. Structo currently has a staff of 175 and has specialised in manufacturing precast for industrial buildings, bridges, hospitals, shopping centres, etc. The company has now decided on a solution from Bibko – the new ComTec 4 – for recycling residual concrete. The system was designed and supplied in cooperation with Betonma, a Bibko sales partner of many years standing.

The ComTec 4 is the latest system from the Bibko Group that has been especially tailored to precast concrete component and smaller ready-mix production facilities. The system's compact, space-saving design enables production facilities generating little residual concrete to recycle efficiently.

The ComTec 4 is equipped with an external bucket conveyor which scoops any residual concrete and water occurring at floor level into the actual washing chamber. This bucket conveyor can also be fitted with an in-feed hopper of variable size. As an alternative, the customer can himself create a greater area for the hopper that then runs conically in the direction of the bucket conveyor. This allows the material to be fed into the wash-out machine in batches so as to avoid overflowing it. Solid substances > 0.2 mm are washed out at this point.

In the ComTec 4, as opposed to the standard version (ComTec), the spiral conveyor has been replaced by an oscillating conveyor channel (including dewatering screen) that discharges the washed-out material. The vibration screen has been given a special highly wear-resistant lining. In this way, the washed-out residual material is discharged and dewatered by the screen lining at the same time.

The residual water with fine particles can either be utilised in the mixing process or clarified with an additional system. Structo employs a dewatering/clarifying container for purifying grey water. The clarified water and discharged material can then be reutilised for producing concrete.



Structo NV has decided on the new ComTec 4 from Bibko for recycling residual concrete

The new ComTec 4 System is also available in a wholly galvanised version with practical, easy-to-open aluminium covers.

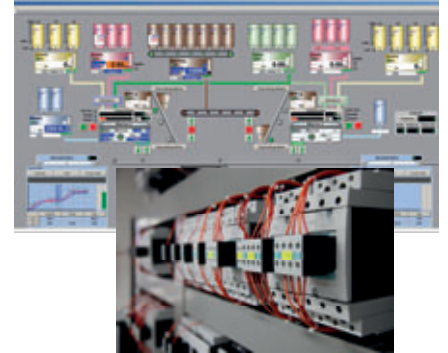
FURTHER INFORMATION



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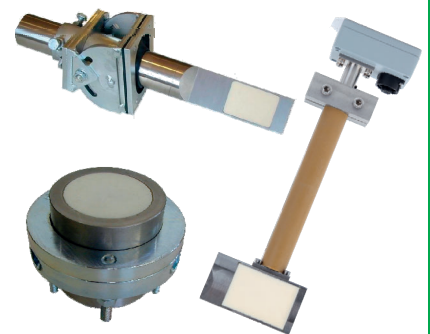


- Modular process controls
- Automated control systems
- Completely integrated moisture measurement in the mixer and sand silos
- Experience in special concrete types like SCC, wood concrete, glass fibre reinforced concrete



Microwave moisture measurement

- In concrete and sand
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- Wireless concrete moisture measurement for mixers with a rotating mixing pan
- Portable sand moisture meter



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