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# Batching plant for precast factories

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Jobreport

# LIEBHERR

Concrete Technology



# Quality that makes the difference!



## Situation

Uzbekistan is experiencing an economic boom and also has great potential in terms of natural resources. But as the country's economic power grows, so does its population. To counteract the impending housing shortage, new and above all affordable housing is needed in a timely manner.

For this reason, the company „Global Invest“ from Tashkent, Uzbekistan, decided to invest in a modern precast plant. The goal was to be able to build high-quality residential buildings as quickly as possible. A huge hall (156 x 96 metres) was built for the production of the required precast concrete elements. In addition, sufficient storage space was prepared around the production plant for the storage of the prefabricated parts and building materials.

## Task

The whole precast plant was designed to produce around 500,000 m<sup>2</sup> of living space per year. The total budget was 40 million euros. In the first instance, to find the optimal solution for this project, several competitors were invited to present their products. However, due to the high quality demands of the investors, only suppliers from Germany with product designations „Made in Germany“ were considered.

After several discussions and meetings, the customer decided on the joint solution offered by Vollert Anlagenbau GmbH and Liebherr-Mischtechnik GmbH. The overall concept of the plant and the well-known high quality of the two suppliers were particularly convincing.

## Solution

For the concept, Liebherr-Mischtechnik GmbH supplied a combimix batching plant with three mixers installed. The plant is equipped with two RIM 2.25-D ring-pan mixers and one RIM 1.0-D ring-pan mixer. Thanks to the use of two agitator systems in all of the three mixers, even demanding mixing tasks can be solved quickly and easily. In the plant, the mixers are placed in a row. Thus, all lines of the bucket conveyor can be operated in parallel.

Furthermore, the plant is equipped with state-of-the-art technology and, in addition to high-pressure cleaning, also features several ink scales, an ink metering system and several microwave measuring sensors for moisture measurement.

In addition to the plant, a Liebherr recycling system of type LRS 806 was also installed to ensure the environmentally friendly operation of the entire plant. The concrete recycling system guarantees the environmentally friendly re-use of the residual concrete materials and the cleaning water. All components can be completely re-used and the environment is sustainably relieved.

Not only the customer was able to convince himself of the excellent quality of the batching plant and the high mixing quality. The high-quality of our products was also proven in independent tests. An external company from Germany was commissioned to test the concrete quality. Our mixers, the moisture measurement and the dosing accuracy all achieved top marks. Quality that convinces!

Technical data	Kombimix with recycling system
Mixer	Ring-pan mixer
Type	2 x RIM 2.25-D and 1 x RIM 1.0-D
Recycling system	LRS 806