

Jobreport

# Self-service concrete plant - Mobilmix 0.5-CS



**LIEBHERR**



### Situation

BayWa AG is a worldwide operating group with the core segments of agriculture, energy and building materials. The building materials segment covers the entire range of building materials - from civil engineering, building construction, new construction, renovation and modernisation through gardening and landscaping. In addition, BayWa AG offers its customers a wide range of services. In southern Germany and Austria, BayWa ranks among the leading suppliers in the building materials trade. Through the targeted expansion of services, such as the purchase of a self-service concrete plant, this strong market position is to be guaranteed in the long term. This will enable customers to supply themselves with the types of concrete they require on an efficient self-service basis.

### Task

The crucial main criteria for BayWa AG in selecting a suitable self-service concrete plant were in particular the possibility of providing small quantities of concrete in the range of 0.15 to 2.0 m<sup>3</sup> as well as a high degree of automation of the plant in order to be able to offer customer-friendly opening hours, on weekdays but also on Saturdays, without considerable additional effort. The end customer here is in particular the „professional small buyer“ (GaLa construction, fence construction, stone-setter, civil engineering) as well as do-it-yourselfers.

With its investment in the self-service concrete plant, BayWa AG is pursuing the goal of expanding its range of services and ensuring the flexible, smooth and time-saving supply of customers

with a wide variety of concrete types. This will enable customers to obtain ready mixed concrete from the same supplier as the other building materials, which will offer them considerable added value.

### Solution

The principle of the self-service concrete plant is based on the idea that the end customer can select his individually required amount of concrete from a repertoire of different types of concrete and screed from 0.15 m<sup>3</sup> upwards. Thus all individual customer requirements can be covered. The entire vehicle is then positioned under the plant. The mixing process can be started easily and comfortably via QR code reader. Within the next 2 to 3 minutes the ready mixed concrete is delivered directly into the trailer or truck mixer. Thanks to the high degree of automation and the simple operation of the self-service concrete plant, small customers can be served time-effectively with concrete in an economical self-service operation.

In addition, great importance was attached during the development to a high mobility of the plant. Therefore, the self-service concrete plant is designed in such a way that both containers can be transported with only one truck. This is to avoid lengthy approval procedures. The completed plant requires a floor space of approx. 100 m<sup>2</sup>.

The self-service concrete plant offers BayWa AG the optimal opportunity to offer its customers an additional service element and thus to expand its own competitiveness in the long-term.

Technical data	Mobilmix 0.5-CS
Theoretical discharge output in compacted mixed concrete	30 m <sup>3</sup> /h
Mixer type	RIM
Max. aggregate storage capacity	140 m <sup>3</sup>
Feeding	Skip
Number of transport units / container	2

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