

Press release

## Liebherr showcases new mobile concrete mixing plant at Bauma

- New plant generation offers numerous advantages
- Mobility with mixer sizes from 2.5 to 4.0 m<sup>3</sup>
- Frequency converters reduce power consumption by up to 30 %
- Higher weighing accuracy saves cement
- Concrete output of up to 170 m<sup>3</sup> per hour

Liebherr has been developing and marketing mixing plants for concrete production for 70 years. This long-standing experience is now also reflected in the new 'Mobilmix' series. The largest version with a 4 m<sup>3</sup> double-shaft mixer will be on show for the first time at Bauma.

Bad Schussenried (Germany), February 2025 – The new Mobilmix mixing plant series is made from a modular system. For customers, this means greater freedom in configuring the plants, shorter delivery times, faster assembly and high parts availability. Improvements to the drives also reduce current consumption by up to 30 % and increase weighing accuracy, so that up to 8 kg of cement can be saved cubic metre of concrete.

### Reaching your goal faster with modules

The new concept is based on a consistently implemented modular design. Individual modules can be planned and manufactured independently of each other and combined with other modules. They are almost completely wired and fully assembled at Liebherr. After testing, the modules are delivered as complete transport units to the construction site. Thanks to the steel foundations, all you need is a level surface and the plant can be set up immediately. The company has come up with a cost-saving system for transport: The module dimensions are optimised and are maximum three metres wide. This makes special transports superfluous for almost all plant variants. Due to their innovative folding concept and plug connections, the modules can be assembled quickly and efficiently on site and are ready for use in no time at all.

### Many variants to choose from, with no additional effort

Everything is compatible and can be combined in different ways: Depending on the customer's requirements and the application in question, different mixer systems can be installed in the same basic system. Liebherr uses a double-shaft or ring-pan mixer. Output rates of up to 170 m<sup>3</sup> of compacted fresh concrete per hour can be achieved with the Mobilmix. A wide range of optional accessories can be integrated with no additional effort. Various storage facilities for the aggregates can be incorporated, such as a tower silo. Even winter claddings are standard for all variants.

## **The frequency converter ensures improved energy and resource efficiency**

For energy savings of up to 30 %, the frequency converters control the drives for the mixer and skip and optimise the mixing process as a whole. Hybrid mixing processes and shorter mixing times are easy to achieve, avoiding power peaks. There is also a noticeable reduction in wear as a result of the smooth starting and stopping action of the drives. It is the frequency converters however that offer the greatest and most important potential in the dosing of cement with an accuracy of +/- 0.35 %. With a typical recipe using 300 kg of cement, up to 8 kg of cement can be saved per cubic metre of concrete – an important selling point for the new generation of mixing plants from an ecological and financial point of view.

## **Sophisticated concept for convenient work processes**

All accessible areas of the mixing plant are generously sized and offer sufficient space, ensuring simplified maintenance and cleaning. There is also enough space for arrangement of additional containers, such as for steel fiber dosage. A chain hoist can be installed on the weighing platform, which can be used to lift Euro pallets with loads of up to 1,000 kg to the appropriate working level through the material hatches. Headroom has also been taken into account throughout the interior. All stairs and steps are one metre wide as standard. The completely revised mixer high pressure cleaner "LiClean", together with the "creep speed" cleaning mode, enables optimum cleaning results with a high level of safety. Furthermore, upon request, there is an automatic cleaning system for the truck mixer feeding hopper. Liebherr customers have already been able to be impressed by the LiClean cleaning system, saving much water and time.

## **Highest quality**

The fully galvanised modules are robust and have a long service life. The modules are pre-wired at the factory. Q-gates are used to check and document the quality requirements of the respective assembly steps. The plug-in modules can be connected immediately on the construction site. Smooth start-up is guaranteed due to the tested modules.

## **About Liebherr-Mischtechnik GmbH**

Liebherr-Mischtechnik GmbH is a global manufacturer and supplier of high-quality concrete mixing plants, concrete pumps and ready-mixed concrete truck mixers. The company is part of the Liebherr group and is headquartered in Bad Schussenried, Germany.

## **About the Liebherr Group - 75 years of moving forward**

The Liebherr Group is a family-run technology company with a broadly diversified product range. The company is one of the largest construction machinery manufacturers in the world. It also offers high-quality, benefit-oriented products and services in many other areas. Today, the group comprises more than 150 companies on all continents. In 2023, it employed around 50,000 people and generated a consolidated total turnover of more than 14 billion Euros. Liebherr was established by Hans Liebherr in 1949 in Kirchdorf an der Iller in southern Germany. Since then, its employees have pursued the goal of impressing its customers with sophisticated solutions and contributing to technological progress. The Group will celebrate its 75th anniversary in 2024 under the slogan: "75 years of moving forwards".

## Images



liebherr-mobilmix-2025.jpg

The new Mobilmix 4.0 from the modular kit is presented to the public for the first time at Bauma.

## Contact

Klaus Eckert  
Head of Marketing  
Telephone: +49 7583 949-328  
Email: klaus.eckert@liebherr.com

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www.liebherr.com