

Product range

Concrete Technology



LIEBHERR

The LCM 1.0



The LCM 1.0 is an economical mixing plant with unique advantages. It is designed above all for a price-sensitive market. The subassemblies can be transported cost-efficiently in two 40ft. HC containers. The galvanised version of the plant guarantees a long service life. The plant is distinguished by its simple and quick assembly, and only a small amount of foundation work is necessary. The plant is preassembled, and equipped in part with folding subassemblies. Optimal accessibility to the ring-pan mixer due to large mixer openings and a raised platform. Simple and intuitive control system via a laptop.

Compactmix 1.0



The galvanized Compactmix 1.0 is capable of a maximum output of 60 m³ concrete per hour and can operate in a small space due to its compact dimensions. The modular design and easily transported module elements make the Compactmix 1.0 ideally suited as an on-site system. A great deal of attention has been paid to ensuring that assembly is simple and rapid. For storage of the aggregates there are 2 silo/bin variants (in-line or compartment-type) which can be used. The galvanized structural format and the high quality of all components make the Compactmix 1.0 an absolute top-flight product.



Compactmix 1.0 with cladding, affiliated to a prefabricated plant

Betomix



The horizontal concrete mixing plants in the Betomix series are of modular design. With outputs as high as 210 m³ set volume of concrete per hour, the Betomix has the performance to satisfy every need. Depending on the space available and the aggregate volumes to be stored in various grain sizes, customers can choose between in-line or tower silos. The Betomix series comes in numerous versions that can be tailored exactly to customers' needs, and used for the production of pre-mixed concrete as well as in the prefabricated and pre-cast concrete element industry.



Betomix galvanized, without cladding

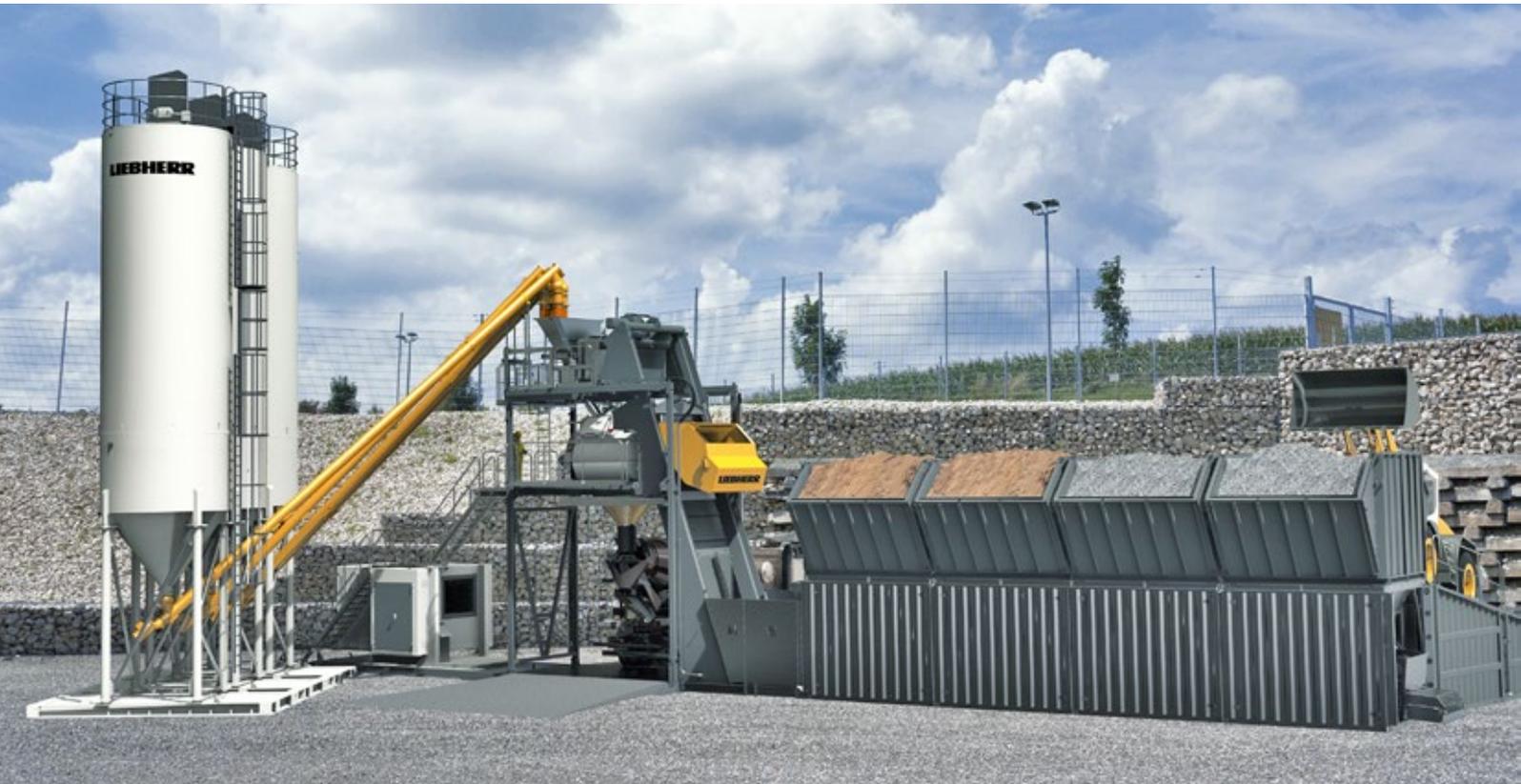
Mobilmix 0.5 C



Transport of the Mobilmix 0.5 C

Due to its special innovative design, the Mobilmix 0.5 C can be transported with a minimum of effort. Special feature: No crane is required for loading and unloading of the mixing plant. The two container-formed main assemblies are raised from the truck on their own special supports, before moving themselves into the respective working position. Installation and start-up thus proves extremely simple. The plant comes completely equipped with all features required for fully-automatic production of quality concrete.

Mobilmix 2.5 F



The Mobilmix 2.5 F is ready for operation within 2-3 days

The Mobilmix 2.5 F is setting new mobile mixing plant design standards that are compared with those of stationary mixing plants. The entire plant can be moved from one site to the next as a few transportable units. The complete basic system with control container is mounted on a steel frame which is extended to serve as a foundation. The inline silo, which can hold a large volume in various grain sizes, is of equal capacity to the stationary plant equipment. The Mobilmix 2.5 F has an output of up to 115 m³ set volume of concrete per hour. The Mobilmix is also available with full cladding. High output and short transport times are the key to greater customer benefit.

Mobilmix 2.5 C/3.5 C



Mobilmix 2.5 C



Assembly of Mobilmix 2.5 C

As a robust concrete mixing plant comprising container modules, the Mobilmix 2.5 C or 3.5 C is optimally suited for use on construction sites. The ISO container modules are specifically designed for transport by land and sea. The plant's high output rates make it ideal for large-scale construction projects such as airports, bridges, roads and tunnels in particular. The operation as a twin plant is also possible.

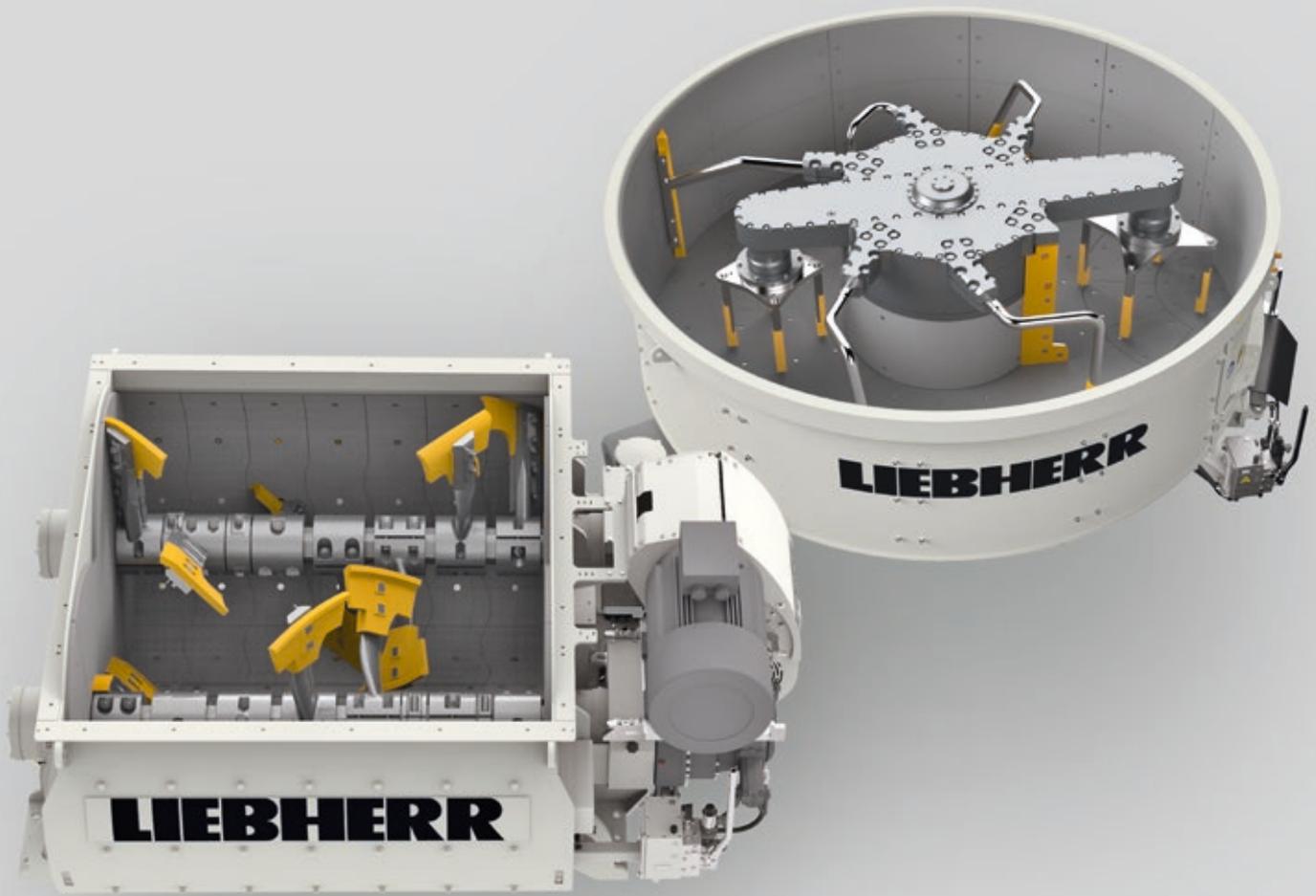
Betomat



For many years Betomat-type tower plants have been used successfully all over the world for pre-mixed concrete as well as in the prefabricated and pre-cast element production industries.

This well-proven modular system permits individual plant configurations with output rates of 55 to 240 m³ of set concrete per hour. Designs with two intensive mixers are available to permit work in alternating cycles, or if a second mixer is used as a mixer for facing concrete in a pre-cast element plant. The numerous options and accessories offered by Liebherr satisfy all customers' needs and requirements. With a tandem plant, output can be doubled. The entire concept is aimed at the profitable production of top-quality concrete with minimum rates of wear.

Mixing Systems



Intensive ring pan mixers from Liebherr have been in use for many years all over the world for a wide variety of practical applications. Top concrete quality, even for special purposes, is achieved by the high mixing energy of the agitator systems. Liebherr ring pan mixers are operated at precast concrete element and other concrete product factories, and also by suppliers of pre-mixed concrete. Liebherr supplies ring pan mixers with capacities from 0.5 to 3.0 cubic metres.

Liebherr twin-shaft mixers are particularly suitable for high outputs of pre-mixed concrete and are available in 1.25 to 6.0 cubic-metre sizes. Their compact design is a particular advantage and they are therefore also used in mobile mixing plants and for construction-site mixers.

Control Systems



Moisture measuring Litronic-FMS



Litronic-BCS

Liebherr offers the ideal control system for each mixing plant concept, for instance pre-mixed concrete or prefabricated or pre-cast element plants. Control systems from Liebherr ensure maximum output with high batching accuracy. Clear screen displays make operating and monitoring of the mixing plant easier and more convenient. Tele-servicing permits easy maintenance and reliable operation of Litronic MPS control systems. The Litronic-MPS is the genuine all-rounder among all control systems, and satisfies every need. For relatively straightforward basic tasks, Liebherr supplies the MPS LV, a cost-effective single-monitor installation based on MPS. BCS rounds off the program as a straightforward basic control system.

Recycling Plants



Trough-type recycling plant



Batching buffer



Recycling plant in mobile version

Recycling of residual concrete and cleaning water accumulating in mixing plants and truck mixers has many advantages, the most important being environmental protection and cost saving. Re-use of all materials for the production of new concrete helps to reduce consumption of new material and water. Residual water that accumulates in large quantities can be re-introduced to the production process. Rinsing out of truck mixers by means of cleaning booms also takes place with recycled residual water. Liebherr offers two systems: the screw-type LRS system for use where space is limited (also available as a mobile unit with vertical tank) or the trough system LRT with generous acceptance volume. Both types are available with various optional feed systems. On request a buffer batching unit can be provided that permits discharge of residual concrete from 4 or 6 truck mixers simultaneously.

Concrete Pumps



Liebherr provide a versatile range of high quality „Made in Germany“ concrete pumps. An innovative design combined with a global service network ensures optimum availability and maximum customer benefits. Liebherr can pump concrete reliably and cost-effectively onto every building site on the planet.



Product range:

- Truck mounted concrete pumps
- Trailer and crawler concrete pumps
- Concrete distributors

Truck Mixers



Quick-lock system



Semi trailer



ETM 905 (electrical drum drive)

For efficient and profitable concrete transport, Liebherr offers an extensive range of truck mixers. Mixer drums with rated capacities of set concrete between 5 to 15 m³ can be mounted on almost all common truck chassis. Alternatively, truck mixers with sizes from 9 to 15 m³ can be delivered as a semi-trailer. These mixers are noted for numerous striking features, including a low centre of gravity to ensure excellent road behaviour, easy-to-clean surfaces, a maintenance-friendly concept, low wear and easy access to all components. Our extensive list of optional extras and accessories satisfies every operating need.

Conveyors



All-purpose



In short time ready for operation



Combination with semitrailer

The Liebherr LTB belt conveyor is the efficient solution for transferring materials such as concrete, sand or stone chippings from the truck mixer to the construction site. Movements of concrete or gravel to the site have to take place rapidly and in a profitable way. A truck mixer with built-in conveyor extends the range of services, helps to win additional orders and enhances customer satisfaction. Liebherr has versions with an outreach from 11.5 to 16.4 m, with or without a telescoping action. The larger types are fitted with extending supports and radio remote control. A quick-change system is available as an optional extra.

Concrete technology from Liebherr



Liebherr provide a comprehensive range which encompasses the whole of concrete technology from a single source, from the production of concrete, to concrete transport and installing concrete on the building site. More than 60 years of experience and continued further development has guaranteed Liebherr status as a globally-renowned provider in the concrete production sector.

Many years of experience

Featuring capacities of 5 to 15 m³ nominal volume for the transport of concrete, the fixed-mounted truck mixers provided by Liebherr are compatible with all established chassis. Configuration as a semi-trailer is available in 9 to 15 m³ nominal volume. An extremely comprehensive accessories catalogue completes the range.

The correct solution for every requirement

Liebherr truck mounted concrete pumps featuring various configurations with boom sizes of up to 50 m radius are perfectly designed for cost-effective supply of concrete onto the building site. Powerful stationary concrete pumps are available as trailer concrete pumps or as self moving concrete pumps mounted on a crawler. The concrete pump range also includes concrete distributors.

System solutions from a single source

The conveyor belt mounted on the truck mixer is also perfectly suited for applications on smaller building sites. Featuring a radius of up to 16.4 m, the conveyor belt is operational in no time. As well as concrete, the conveyance of materials such as sand and gravel is also possible.

Quality and state-of-the-art technologies

Liebherr concrete mixing plants are employed reliably and cost-effectively on a worldwide scale. The product range includes stationary plants in horizontal and vertical configurations, as well as mobile mixing plants for short term building site applications. Liebherr's own mixing systems, capable of discharge rates between 30 and 300 m³, are installed in the concrete mixing plants. Liebherr also provide optimum solutions for residual concrete. The residual concrete recycling plants are available in „trough“ and „screw“ type series and feature washing outputs of between 10 and 22 m³ per hour.

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