

Mobile mixing plants

Mobility and performance



LIEBHERR

Mobile mixing plants

Produce concrete on site



Flexible and powerful

With mobile concrete mixing plants from Liebherr, you can produce concrete directly on site. Concrete quality, quantity and delivery reliability are all within your direct control. We have the right solution for every application.



There are many factors in favour of a mobile mixing plant

Mobile mixing plants are extremely versatile

- The rapid relocation of the plant from one construction site to the next gives maximum flexibility.
- Where sites are only leased for five or ten years, a mobile mixing plant can be quickly relocated at the end of the term.
- The approval processes for mobile plants are simpler than those for stationary plants.
- Mobile plants can be positioned very close to, or directly on, the construction site. The short transportation routes for concrete save time, costs and protect the environment. Transportation efficiency can be maximised by using large dumper vehicles that could not be used on public roads.
- For motorway construction, the mobile mixing plant can be re-sited every 20 to 30 km in order to move with the construction site.

Large quantities

When large quantities of concrete are required, for example when constructing airports, tunnels or motorways, producing concrete on the construction site is advantageous.

Difficult work locations

Where sites are difficult to reach, for example due to high altitudes, you can produce your own concrete in situ.

Temporary construction sites

Regardless of whether the construction site remains active for months or years, the mobile mixing plant can be positioned according to construction progress.



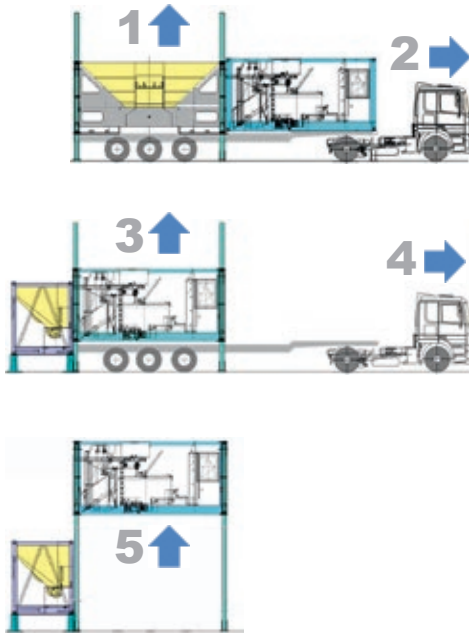
Mobilmix 0.5-C

Super-mobile concept



Compact and flexible

The smallest mixing plant within the Mobilmix range consists of just two containers, making transportation simple and space requirements minimal. With these characteristics, production of high quality concrete is possible in remote areas.



Assembly and disassembly possible with and without a crane

The Mobilmix 0.5-C is usually assembled and disassembled quickly with a crane. However, the Mobilmix 0.5-C can be supplied with a hydraulic supporting/lifting frame option. This enables assembly and disassembly without a crane. The two main modules are lifted from the HGV in container form using the supporting/lifting frame and moved into the working position.

Features

- Compact concrete mixing plant in robust modular design
- Minimal space requirements, integrated control room
- Compact units for economical transportation
- Short assembly times
- Configurable with compartment-type silo or with in-line silo option
- Plant is erected on steel foundations making concrete foundations unnecessary and there is no disposal of old foundations when plant is relocated
- Ideally suited as a building site plant
- All components easily accessible

Options

In-line silo, additive weigher, hydraulic supporting/lifting frame

Low number of transportation units

The two containers and the stairs, supporting frame and protective grating together form a total of just two transportation units.

High concrete quality

The plant is equipped with the tried and tested Liebherr ring-pan mixer. An agitator system is available on request.

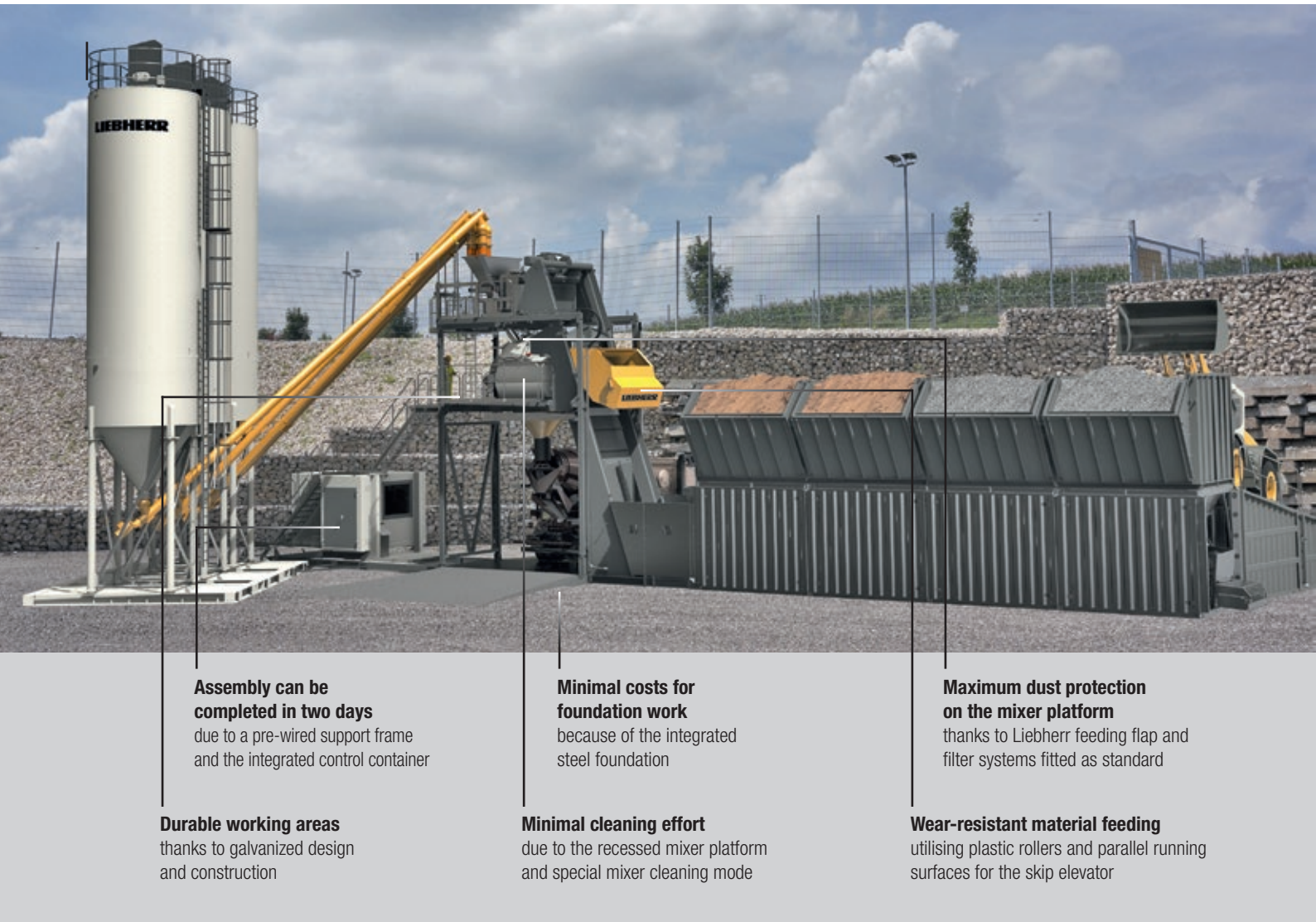
Highly accessible

Despite its compact dimensions, the plant is easily accessible. All components can be reached with ease via platforms.



Mobilmix 2.5-F

New features in a proven system



Mobility and performance – perfectly matched

The new Mobilmix 2.5-F offers all the advantages of a stationary system because of its proven folding mechanism with pre-assembled and integrated components. It can be transported with ease thanks to its small number of transportation units and provides fast and simple assembly. Short installation times are achieved through a combination of the quality inspection at the factory and a test run in advance of the installation.



Individual configuration

Similar to a stationary system, the Mobilmix 2.5-F can be freely configured in a range of levels to meet specific customer needs.

The cement silos can be arranged individually, dependent on the spatial conditions. Aggregates can be stored in an in-line silo or, optionally, in a tower silo. The new modular tower silo has a maximum storage capacity of 400 m³ divided into between four and eight compartments.

Because of the integrated steel foundation and the foldable compartment walls, the mobile in-line silo can be assembled within a few hours. Thanks to the new cladding concept, the cladding can be assembled within one day.

Options

Tower silo, truck chute, ice weigher, high-pressure mixer cleaning, additive container

Rapid assembly

Thanks to the exceptional folding system, the base unit can be assembled within approximately three hours. All components, such as the skip, mixer system, cement and water weigher, remain attached.

High mixing rate of up to 115 m³/h

The new Liebherr twin-shaft mixer with a set volume of 2.5 m³ of compacted fresh concrete per batch is achieving a high mixing rate of 115 m³ per hour. Truck mixers can be filled with three batches.

Minimal cleaning effort

Cleaning is straightforward with the recessed mixer scaffold. The mixer hatch with special locking system and the mixer crawling speed mode ensure maximum safety when working in the mixing trough.



Mobilmix 2.5-C

Perfect mobility



Full power for every season

The Mobilmix 2.5-C offers every advantage of a static mixer plant with maximum mobility. The robust container modules are fully wired and also form the enclosure for the plant, meaning that the Mobilmix 2.5-C is also perfectly suited to winter operation. With major construction projects, it is possible to operate two plants as a double plant with an output of 230 m³ per hour.



Modular construction

The fully-wired and fully-equipped modules are quick to install. The dimensions are specially configured for economical transportation. The capacity of this plant makes it particularly ideal for use on larger construction sites, for example when building airports, bridges, roads and tunnels.

Features

- Proven mixer system from Liebherr
- Plant is erected on steel foundations making concrete foundations unnecessary and there is no disposal of old foundations when plant is relocated
- Easy positioning of the modules by using templates when erecting the plant
- All components are easily accessible

Options

Truck chute, ice weigher, high-pressure mixer cleaning, water tank, additive container

Simple road transportation

The module dimensions are optimised for economical road transportation.



Fully-wired modules

All modules are fully equipped, meaning that assembly work on the construction site is kept to a minimum.



No compromises

All units simultaneously form the enclosure, meaning that the plant is protected and is also suitable for operation in winter. The low noise and dust emissions are also advantageous.



Mobilmix 3.5-C

Powerful and mobile



Large quantities of concrete reliably produced

The Mobilmix 3.5-C is particularly well suited for international transportation. Thanks to the plug and play container design with CSC approval, the plant can be quickly and easily transported by ship to diverse construction sites around the world. As a double plant, the Mobilmix 3.5-C produces 300 m³ concrete per hour. It is therefore capable of supplying large construction sites with ease.



Suitable for worldwide use

The robust modules of the Mobilmix 3.5-C enable use of the plant around the world, whether it is transported by road or on water. The containers simultaneously serve as plant cladding for weather protection and winter operation.

Features

- Proven mixer system from Liebherr
- Plant is erected on steel foundations making concrete foundations unnecessary and there is no disposal of old foundations when plant is relocated
- All components are easily accessible
- Large number of options and extensive accessories
- ISO container units for economical transportation

Options

Truck chute, ice weigher, silica weigher, high-pressure mixer cleaning, water tank, additive weigher, additive container, dust filtering system, CSC approval for transportation by sea

Highly accessible

All components can be accessed with ease. Sufficient space is provided inside all containers for maintenance and service.



Proven mixer system

The robust double-shaft mixers from Liebherr stand out due to their high mixing quality, short mixing times and excellent accessibility.



High output

With up to 300 m³ concrete produced per hour with the double plant, the concrete supply to large projects is also assured.



Mobile mixing plants

Technical data

Type	Mobilmix 0.5-C	Mobilmix 2.5-F	Mobilmix 2.5-C	Mobilmix 3.5-C
Theoretical discharge output in compacted mixed concrete	30 m³/h	115 m³/h	115 m³/h*	150 m³/h
Mixer type	R / RIM	DW	DW	DW
Mixer size	0.5 m³	2.5 m³	2.5 m³	3.5 m³
Loading	Skip	Skip	Skip	Skip
Approx. storage volumes of aggregates	16 m³	140 - 400 m³	105 - 400 m³	105 - 400 m³
Max. number of aggregate chambers	2 - 4	3 - 8	3 - 8	3 - 8
Number of cement silos	2	6	2 - 6	4
Max. filling amount of each cement silo on steel foundations	60 t	120 t	120 t	120 t
Number of transportation units/containers	2 - 3	4 - 5	10 - 12	10 - 14
Sea container with CSC approval (optional)	-	-	-	✓

* Output with an in-line silo

Mobile mixing plants for economical transportation and rapid transfer to another site



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