

The Compactmix 1.0

Great performance in a small space.



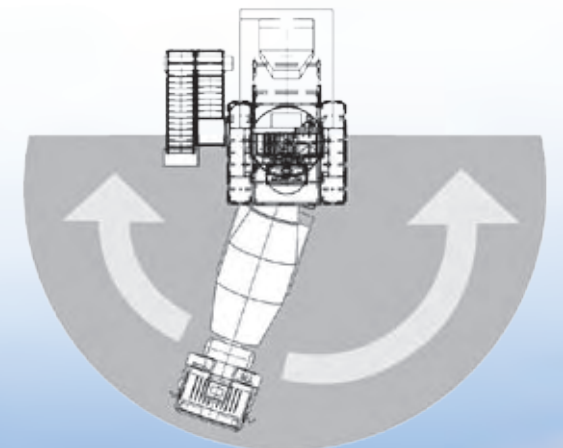
LIEBHERR

The Compactmix 1.0, a concept with many advantages.

Thanks to its compact dimensions the Compactmix 1.0 can be put to use even when the space available is very restricted and thanks to its structural shape, truck mixers can move in a radius of 180 degrees under the installation, with no supports getting in the way. This in turn also means that there is less space needed for the vehicles to approach.

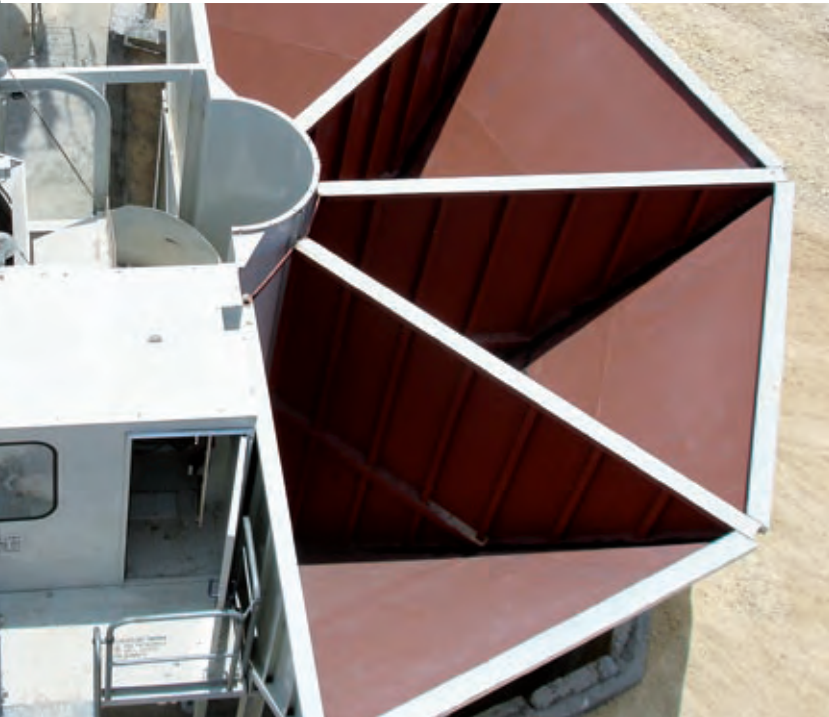
The modular design and easily transported module elements make the Compactmix 1.0 ideally suited as an on-site system. A great deal of attention has been paid to ensuring that assembly is simple and rapid. If required, steel foundations can be provided for a semi-mobile operation. The Liebherr ring-pan mixer incorporated can also be supplied with an agitator system as an option for concrete of particularly high qualities, which means the Compactmix 1.0 is often used for manufacturing concrete products and prefabricated elements.

The galvanized structural format for maximum protection against corrosion and the high quality of all components make the Compactmix 1.0 an absolute top-flight product.

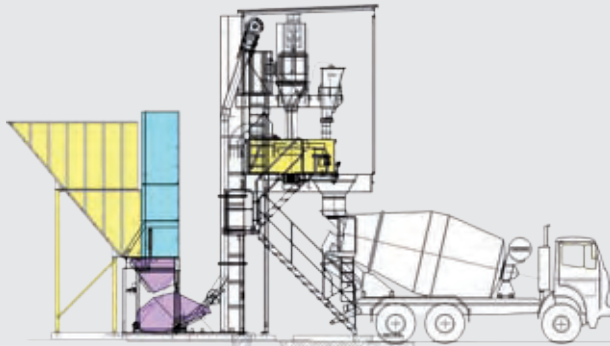


Flexible in operation.

The Compactmix 1.0 can be adapted precisely to the local space and the requirements of the individual customer. For storage of the aggregates there are three silo variants which can be used (illustrations on the right). The cement element can be erected in different variants as well.



Design as in-line silo (bin),
4 to 10 compartments possible,
with storage volume of 70 to 300 m³.



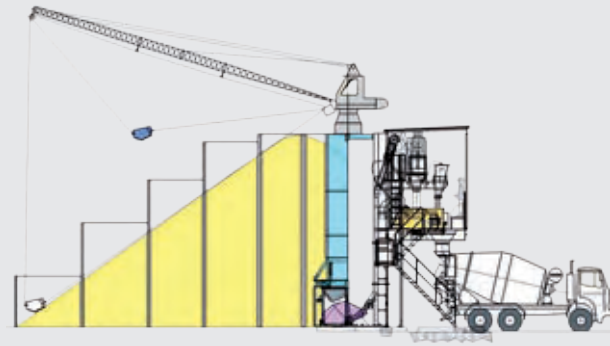
Design as compartment-type silo (bin),
4 compartments with total of
40 m³ storage volume.



Design as in-line silo (bin) with 6 compartments.



Litronic-BCS II control system for mixing plants.



Design as star-pattern aggregate bays,
4 to 6 compartments possible,
total storage volume approx. 950 m³

Well-engineered in every detail.

High quality components.

Only top quality components and function elements are used in the Compactmix 1.0. All installations are carefully laid in shafts or ducts for maximum protection. The galvanized steel structure provides optimum protection against corrosion, and that means the reliability and service life of the system are excellent even under extreme conditions.



Control room.



Modular structure, easy to assemble.



The skip.



The loader drive.



The large-scale weighing platform, with cement and water weighers, has good maintenance access.

Optimum handling.

All sections are readily accessible for maintenance and service work, with a great deal of attention being paid to safety when moving around the installation. If required, the skip can be extended downwards, and the ramp approach on the in-line silo (bin) can be minimised accordingly (excavation design).



Plenty of space beneath the mixing platform.



The belt weigher beneath the in-line silo.

Options for the Compactmix.

Liebherr provides a wide range of options to satisfy all customer requirements and demands. The system can be extended, for example, by the following options:

Truck chute – Ice weigher – Silica weigher – High-pressure mixer cleaning – Cladding – Additive weigher – Extension of the skip track – Dust filtering systems – Moisture measurement – Agitator system for the ring-pan mixer. Further items on request.

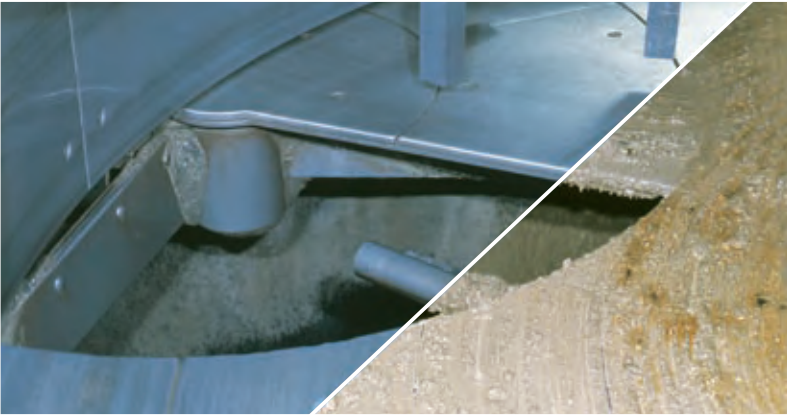
The Compactmix 1.0 in operation throughout the world.

Cladding as winter insulation with the Compactmix 1.0 is 60 mm thick as standard. During development great care was taken to ensure that the cladding is simple to install.

If required, the installation can be operated with the Litronic-MPS control system.



Ring-pan mixer with agitator system.



High-pressure mixer cleaning system.



Litronic-FMS II moisture measuring system for assessing sand moisture content.



The additive weigher.



Compactmix 1.0 - Technical data:

Mixer size:	1.0 m ³
Ring-pan mixer:	R/RIM
Theoretical output rate for mixed concrete (compacted): ¹⁾	60 m ³ /h
Theoretical output rate for mixed concrete: ²⁾	75 m ³ /h
Loading:	skip
Number of cement types:	max. 4
Storage volume with in-line silo (bin):	70-300 m ³
Number of compartments with in-line silos (bins):	4-10
Storage volume with compartment-type silo (bin):	40 m ³
Components with compartment-type silo (bin):	4
Storage volume with star-pattern aggregate bays:	approx. 950 m ³
Components with star-pattern aggregate bays:	4-6

1) 30-seconds mixing time

2) 30-seconds mixing time, compacting factor $v = 1.25$

Easy transport.

All the components of the plant are designed in suitable units for low priced transport.
The system is also well-suited for transport in ISO containers.



Vehicle 1: Mixing and weighing platform with walls of the in-line silo (bin).



Vehicle 2: Skip with walls of the in-line silo (bin).



Vehicle 3: In-line silo (bin) with belt weigher.