

Compactmix



Compactmix 0.5.

This compact mixing centre is based on a modern plant concept: simple, robust construction, it can be used at both smaller ready-mixed concrete and concrete ware plants, has few movable parts, operates reliably, safely and economically throughout a long service life. Customised versions are available thanks to the aggregate storage modular system. Depending on the space available at the operation site and the aggregate requirements, the machine can be equipped with a dragline loader, a rectangular in-

line silo or a storage hopper. It is equipped with state-of-the-art microprocessor control.

When designing the plant, factors such as the transport dimensions of the device units were taken into consideration. It can be erected very quickly and requires little foundation work. To sum things up, this is a mixing plant that can be used for any task, anywhere in the world to produce quality concrete, economically.

Versatility in the 30m³-class.



Mixer gate.

It operates hydraulically and therefore has lots of power so that dried concrete and stones that get stuck are no problem. If the power supply fails, the door can still be opened with an emergency lock and the concrete removed.

Dust flap.

This flap closes the aggregate gate of the ring-type pan mixer before cement is added. This keeps the mixer platform clean.

The weighing platform.

Easily accessed above the mixer are the water flow counter and the electromechanical cement weigher. As an option, a water weigher with electromechanical weighing cells can also be provided.



Aggregate dosage and weighing.

The gates from the semi-circular batching wall of the star-type and storage hopper extend deep into the stored material. The aggregates are batched through pneumatic end gates into the skip tank which stands on electromechanical weighing cells.

Mixer skip.

A robust electric motor with a cable winch ensures rapid transportation of the weighed aggregates into the mixer.

Accessibility.

The Compactmix has been designed with ample space. The mixing platform can be reached safely via wide stairs. All components are easily accessible for maintenance and service.

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Liebherr ring-type pan mixers.

This is where the quality of the concrete is decided, and this is why we build our mixers ourselves. With resilient mixer arms and standard chill-cast tiles on the floor for a long service life. The mixer cover can be opened for cleaning and maintenance.



Agitator system.

The ring-type pan mixer can be equipped with an additional agitator for increased mixing power over a short period of time. It is driven mechanically via gearwheels in the agitator arm. The drive operates with oil-bath lubrication.



Mixer driveline.

The ring-type pan mixer is driven by a robust electric motor on an hydraulic transmission. The entire drive system can be easily accessed from below.



Dragline loader version.

If a large amount of aggregate is required to be stored in the plant, a star-type silo with a dragline loader is used. Four or five components can store up to 800 cu. m of aggregates.



Dragline loader cabin.

Safety was to the fore in the design of the control elements for the manual dragline loader system. The cabin's large glazing provides an excellent 360-degree view. As an option, an electric torsion motor can be provided.



Aggregate loading.

As well as the dragline loader, models with pocket- and in-line silos are available.

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Additive mix.

If required, an additive unit with one or two measured quantity cylinders can be provided.

Truck chute.

A truck chute can be fitted at the mixer discharge opening for loading trucks with a flatbed platform. It prevents the concrete from separating and the plant from becoming dirty.

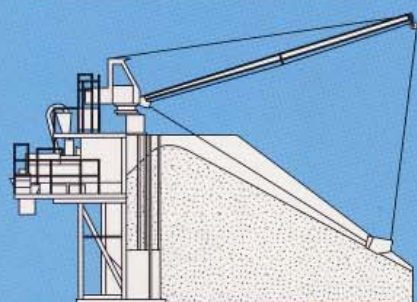
Insulated version.

The Compactmix 0.5 is available fully insulated for operation in colder climates. Component dimensions are designed for transportation by road.

Compactmix 0.5 compact mixing plant in figures:

Number of cement grades stored	1 - 4
Cement screw batching rate, t/h, each	25
Aggregate weigher range, kg	1500
Cement weigher range, kg	250
Capacity of water batch weigher, l (alternative version)	120
Capacity of Liebherr pan-type power mixer, l	500/750
Conformity with DIN 459, m ³	0,5

Set concrete output with a 30 s mixing period, without printer, m ³ /h	30
Output of non-compact fresh concrete (compacting ratio $v = 1.45$), without printer, m ³ /h	43
Water pressure required, measured with valve fully open, bar	4 - 6
Electric power supply rating for basic unit, kW	30
Operating voltage and frequency	400 V/50 Hz



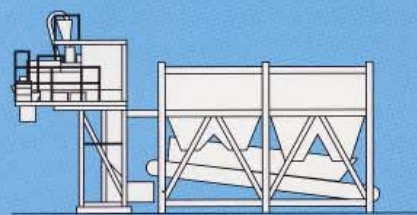
The Compactmix 0.5 compact mixing plant with star-pattern aggregate storage silo in figures:

Storage volume, m ³	300 - 800
Active storage volume, m ³	11 - 50
Number of mix components	3 - 5



The Compactmix 0.5 compact mixing plant with pocket-silo aggregate storage in figures:

Active storage volume, m ³	30
Number of mix components	3 - 4



The Compactmix 0.5 compact mixing plant with inline-silo aggregate storage in figures:

Storage volume and active storage capacity, m ³	70 - 140
Number of mix components	4 - 6
Silo loading with (wheeled) shovel loader	

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