

# fibro intercon

Mobile concrete batching plant  
TS1800



Your partner in concrete solutions



# Ideal solution for urban projects of quick repair and new pavements



## Exact concrete qualities mixed right at the construction site

This mobile batching plant is assembled on a common triple-axle 13.6 M step frame semi trailer and therefore easy to transport by truck. The plant is designed for just in time production of exact concrete qualities right at the construction site.

The standard capacity of this batching plant is 20-30 M<sup>3</sup>/hour. For production of stiff-mix concrete, an even higher capacity is possible.

Park the plant on the site - and start the mixer. With a minimum of preparation and supply of sand, gravel and cement: you are ready for your concrete production. And when the time is right, it is

easy to move the plant to new building projects.

The powerful pan mixer is equipped with robust mixing arms, mixing shovels and side scrapers providing a short cycle time and a high, uniform concrete quality. With TS1800 it is possible to produce concrete certificated according to EN206.

A high quality is also ensured by the integrated control system, which controls and monitors all processes and connected equipment, e.g. a belt conveyor and/or cement silos.

TS1800 is a profitable investment which

will soon pay for itself and return a profit. All wearing parts are produced in robust materials and can be replaced separately, which minimises operating costs. There is free access to all of the plant functions, facilitating daily cleaning, maintenance and service.

To illustrate the savings by using a mobile concrete batching plant instead of buying ready mixed concrete, fibo intercon has developed a calculation scheme, where you can enter data like consumptions of concrete, aggregates and costs to calculate your annual savings. Please visit our web site: [www.fibointercon.com](http://www.fibointercon.com) - to examine your possibilities.

# Technical specifications of TS1800 in words and pictures



## 1 Bogie trailer

The batching plant is assembled on a common triple-axle, 13.6 M step frame semi trailer, where the hoppers are installed with standard container locks.

## 2 Pan mixer

Pan mixer in steel with an internal lining of replaceable, sectioned wearing plates and Hardox steel-plate bottom and enclosure. Equipped with a planetary gearbox for optimised effect, automatic radial opening, inlet for cement auger and inspection hatches.

## 3 Hoppers

Integrated twin hopper for 2 types of aggregate. The hopper holds  $2 \times 4 \text{ M}^3$ . Made in all-welded steel plate with reinforced corners. 2 separate feed belts for dosing of aggregates.

## 4 Cement hopper

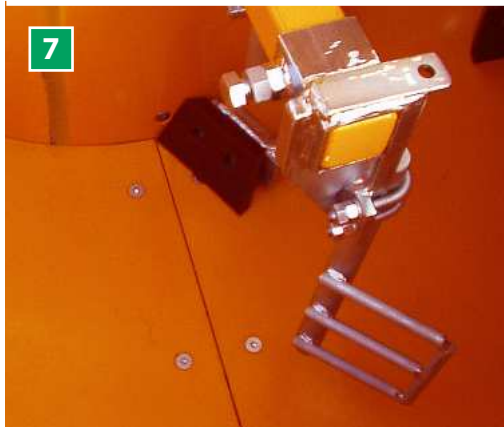
Integrated hopper for cement. The hopper holds  $7 \text{ M}^3$ . Made in all-welded steel plate with platform and railing on top.

## 5 Discharge belt

Discharge belt with a length of 4 M, mounted on a 90-degree swivel base. Possible to turn 3 M to each side and to lift into vertical position during transport. Detachable chute for distributing mixed concrete.

## 6 Water tank

Water tank for 4,000 litres. Made in all-welded steel plate. Automatic refilling of water.



**7 Mixing arms and side scrapers**

Adjustable mixing arms and side scrapers in steel and hard PVC. Equipped with safety bolts to prevent large stones from seriously damaging the mixing arms.



**8 Load cells**

The pan mixer is placed on three 3,000 kg digital load cells with an accuracy of +/- 0.5%.



**9 Siemens operating system with thermal printer**

Possibility of manual, semi-automatic and automatic operation and PC interface. No previous knowledge required and can be delivered with the language version desired. Stores 25 recipes. Dosing accuracy: +/- 1-2%.



**10**

**10 Generating set**

Generating set with power generator, integrated diesel tank and control panel. Mounted in a sound-absorbing canopy.



**11**

**11 Hydraulic discharge of concrete**

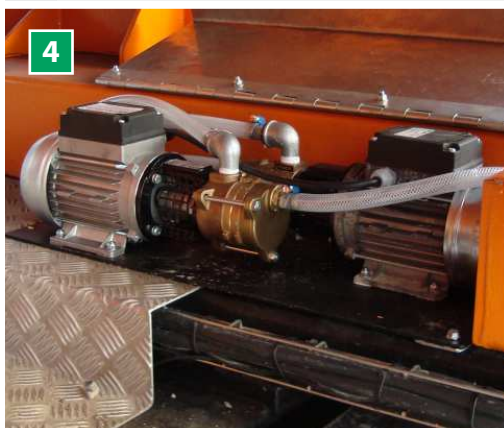
Possibility of manual, semi-automatic and automatic discharge. Complete with over-load protection and position sensor.



**12**

**12 Flowmeter**

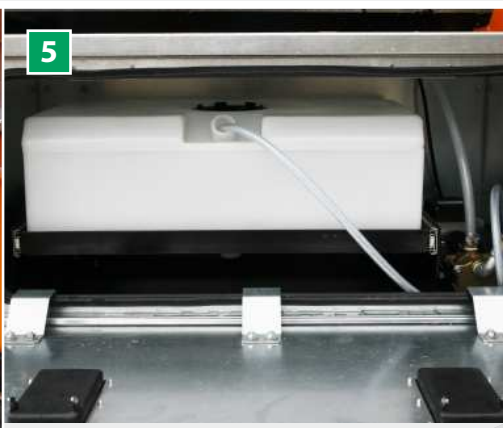
Parallel dosing of water and aggregates for reduced cycle time and pan mixer wear and reduced energy consumption.



**4**

**4 Additive pump**

The additive pump is designed for the addition of liquid additives. The additives are dosed volumetric.



**5**

**5 Container for additives**

The TS1800 is equipped with 3 containers for additives: one for 500 litres, one for 250 litres and one for 50 litres of additives.



**15**

**15 Equipment**

The standard TS1800 is delivered with high-pressure cleaner, while an air compressor is optional.

## More technical specifications of TS1800



### Technical specifications in numbers

<b>Agitator pan mixer</b>		<b>Aggregates</b>		<b>Equipment</b>	
Volume (gross/net)	L 1,800/1,200	Hopper	pcs 2 x 4 M <sup>3</sup>	Generator	KVA 100
Capacity	M <sup>3</sup> /hour 20-30	Cement hopper	pcs 1 x 7 M <sup>3</sup>	High-pressure cleaner	pc 1
Motor	kW 30	Additive container	L 1 x 500		
Mixing arms	pcs 8	Additive container	L 1 x 250		
Side scrapers	pcs 1	Additive container	L 1 x 50		
Load cells	pcs 3 x 3,000 kg	Water tank	L 4,000	<b>Dimensions</b>	
Weighing accuracy	% +/- 0.5			Width	M 2.45
Bottom in Hardox	mm 12	<b>Control system</b>		Height	M 4*
Wearing plates in Hardox	mm 10	Batching computer		Length	M 13.6
		Dosing accuracy	% +/- 1-2	Total weight	kg 22,000
<b>Discharge belt</b>		Recipes	pcs 25	* The transport height on a transport vehicle	
Length	M 4	Language version	As requested	must be of max. 4 M.	
		Remote control	pcs 2		

# To be delivered with a wide range of options and equipment



## Options and equipment

### Options

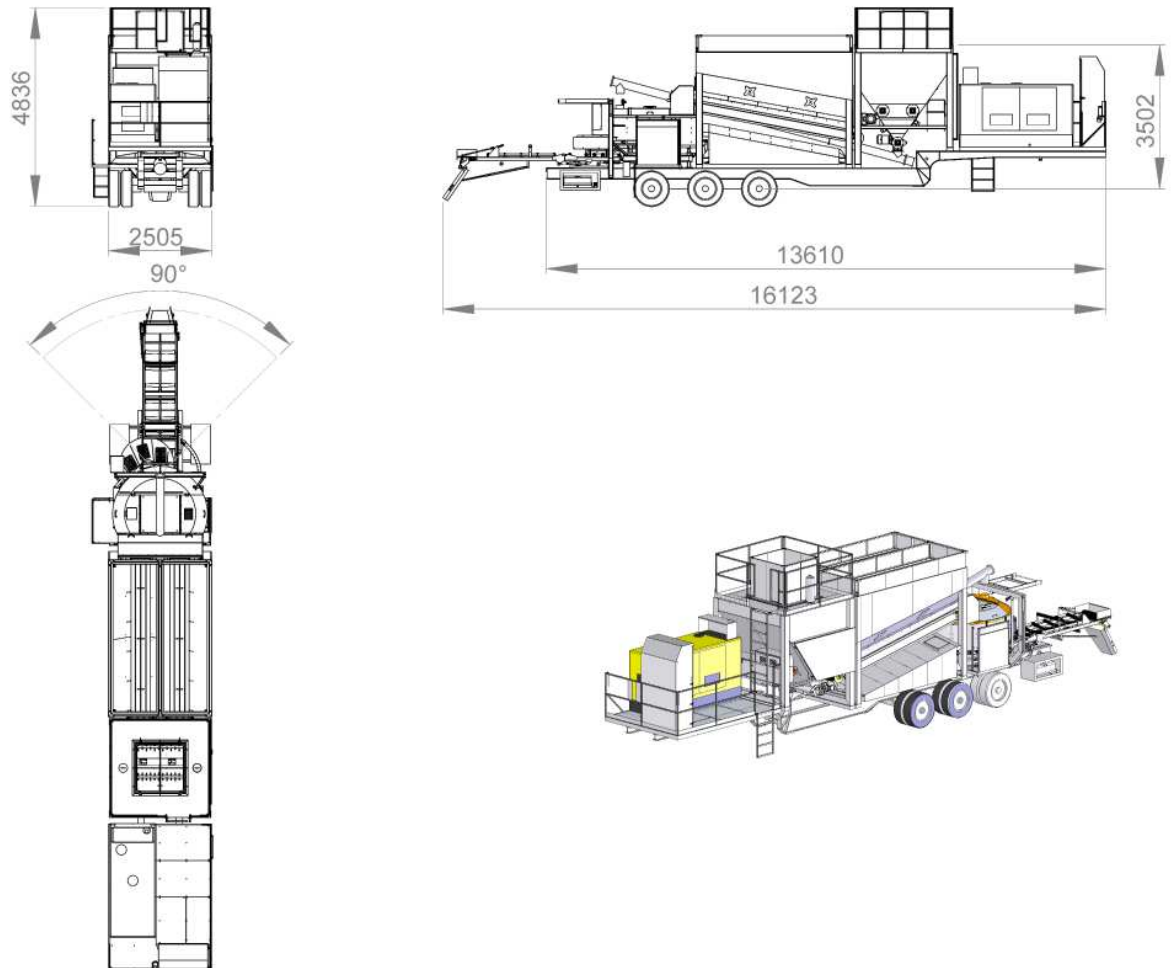
- Enlarged silo sides for hoppers
- Integrated hopper for one type of aggregate

- Additional water pump
- Water heater
- Additional additive pump
- Air compressor
- Vibrators
- Toolbox
- Remote control

### Equipment

- Belt conveyors
  - Width M 1.0-1.2
  - Length M 8-14
- Horizontal cement silos M<sup>3</sup> 30-60
- Vertical cement silos T 30-100
- Big bag cement silo M<sup>3</sup> 1.4-3.0
- Cement auger
  - Diameters MM Ø193-273
  - Lengths M 3.5-5.5
- Test laboratory in container Std 20"

# Layout for building site with TS1800



## At work with TS1800

TS1800 is the ideal solution for large projects of repairs of pavement on highways, federal and municipal roads and runways for planes. The batching plant is also optimal for various concrete work in urban paths and parking spaces or other fast-running construction sites.



## Present all over the world

Over the years we have been developing and delivering quality solutions to customers all over the world. The products delivered have ranged from standard batching plants to unique customised solutions, and our batching plants have been used for both small and large-scale building projects.

fibro intercon strives to provide quick and competent service. We have therefore developed our own representative network in several countries, and our service technicians are ready to go to your place and help you with the installation and servicing of your batching plants and with the training of your employees.

### Casting project in Germany

TS1800 mixing concrete for casting project in Germany. The concrete mix is delivered directly from the pan mixer into the mold by the discharge belt.



## Flexibility and productivity

Many years' experience has made fibro intercon a leading supplier to the global concrete industry.

We manufacture and deliver both mobile, semi-mobile and stationary concrete batching plants as well as production equipment and complete production systems. In our production, we only use state of the art technologies and methods to ensure our customers the best quality, efficiency and reliability.

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### Representative:

#### **fibro intercon a/s**

Herningvej 4  
DK-6920 Videbaek  
Denmark  
Phone: +45 97 17 16 66  
Fax: +45 97 17 11 75

[info@fibointercon.com](mailto:info@fibointercon.com)  
[www.fibointercon.com](http://www.fibointercon.com)

