

Mixing and Injection Technology

Mobile Mixing Plant SCM 7500



The SCM mixing plant is suitable for mixing bentonite, fly ash, cement and similar suspensions, including a component-A-mix used in bi-component backfilling operations, as well as all types of grouting applications.

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Mobile Mixing Plant

SCM 7500



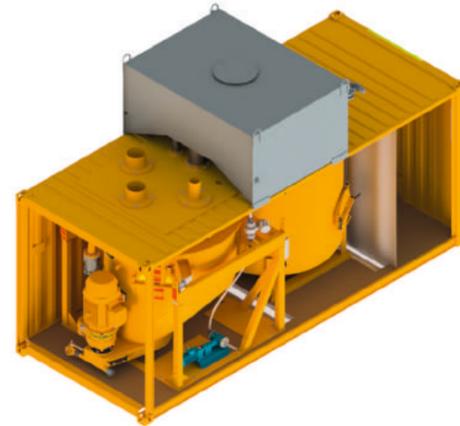
Key features

- ▶ Extremely compact mixing system installed in a standard ISO-Container for easy transport and minimum installation time
- ▶ High production output, quality monitoring and cost savings in terms of personnel costs due to fully automated mixing process
- ▶ Precise dosing of individual components is guaranteed by a sophisticated weighing system in the mixer (typical feed of dry components via silos/screw)
- ▶ Mixing recipes can be entered and selected via touch screen as required
- ▶ Batch records of each mixing cycle with consumption records (total of consumed components) is stored and can be transferred via a USB interface

Typical applications

- ▶ For TBM & NATM Tunnel
- ▶ Preparation of component-A-mix used in bi-component back filling operations
- ▶ Production of bentonite suspensions for pipe jacking and micro tunneling
- ▶ Production of bentonite, cement and diaphragm wall suspensions for diaphragm walls
- ▶ Accessories like Silos, Screw, Water tank can be supplied on request

3D model



Mixer	HCM2500
Capacity:	30 - 40 m ³ /h *
Content Mixer:	2,500 l
Circulation capacity of mixing pump:	4,800 l/min
Nominal power:	45 kW

* depending on type and composition of mix

Agitator	RW5000
Content Agitator:	5,000 l
Nominal power:	3 kW

Water tank	
Capacity:	2,500 l

Dosing Pump

To feed liquid additive into the mixer HCM

Control

PLC weigh batch control with 9" touch screen
 Recipe management
 Automated mixing cycle with high batching accuracy
 Mixing batch registration

Electrical data

Tension:	3x 400 V
Frequency:	50 Hz
Nominal power:	approx. 50 kW *

* without screw conveyor

Weight and dimensions

Total weight:	approx. 8,000 kg
Width:	2,438 mm
Height:	2,438 mm *
Length:	6,058 mm

* excl. water tank

Construction and dimensions

