

LMA20 Automatic cement bentonite mud mixing batching station with cement silo in container

1. Description

HCS17B Horizontal Cement Silo is designed based on 20ft container size. It can be stored in standard container directly. Save shipping cost. More container silos can be stacked together to work.

LMA20 Automatic Mixing Plant is making reference to, was mainly conceived in order to obtain, through a high turbulence mixing of water and cement powder, a cement mixture (cement grout), or, by using water and bentonite powder, a bentonite slurry for plastic muds. Also the preparing of ternary or quaternary compound mixing is possible, with either one or two liquid components and one solid components (for every screw conveyor).

The cement mixture or the bentonite slurry is then transferred to the other units, according with the type of foreseen geotechnical machines.

Mixing Plant can be work under Container Silo. 20ft and 40ft container silo both are provided.

2. Features

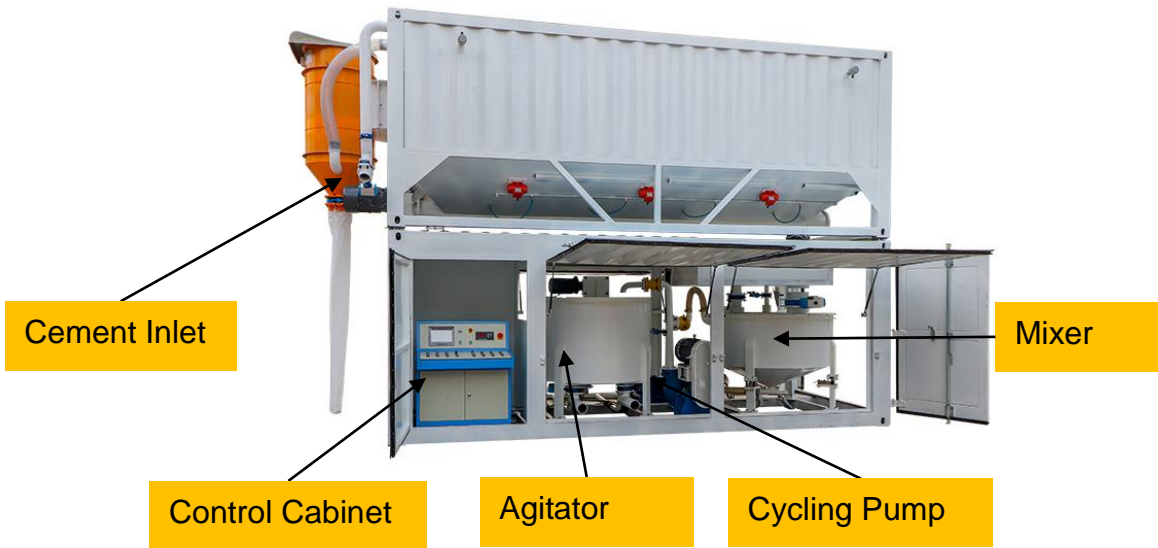


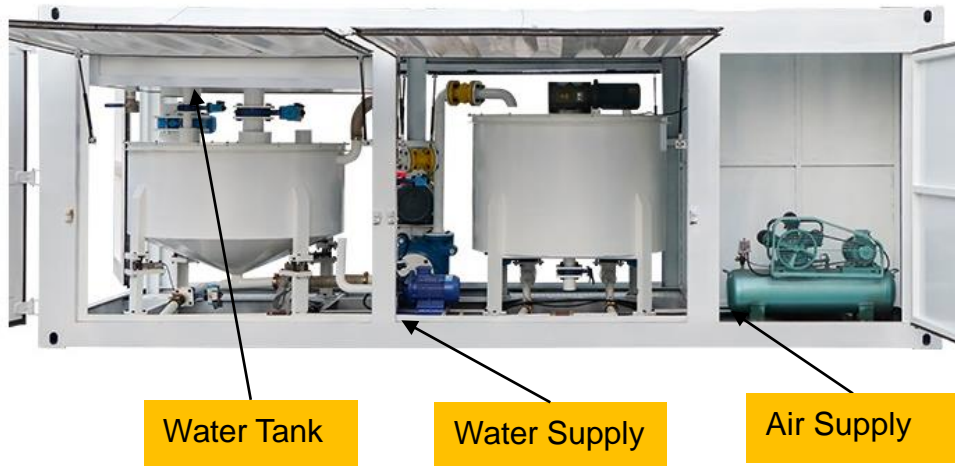
CEMENT SILO

- ◆ Upper recalling dipstick(2) and lower recalling dipstick(2)
- ◆ Dust collector(1)
- ◆ Pressure relief valve(2)
- ◆ OLI-WOLONG Vibrator(6)



Automatic Mixing Plant





- ◆ High-speed Colloidal Grout Mixer
- ◆ Main pipeline valves are all pneumatic valves
- ◆ Mixture, cycling pump and agitator have automatic cleaning function
- ◆ Cement can be added by cement silo or screw feeder automatically
- ◆ The preparing of ternary or quaternary compound mixing is possible, with either one or two liquid components and one solid components
- ◆ Two modes of operation: fully automatic mode and manual mode
- ◆ Easy to operate and maintain
- ◆ Up to 5mm particle size
- ◆ Equipped with some ceiling lamps, for illuminating the different working areas.
- ◆ Can be placed directly in the 20ft cabinet

3. Technology Sheet

Specification :			
1. Two modes of operation: fully automatic mode and manual mode. 2. Automatic cleaning system. 3. The preparing of ternary or quaternary compound mixing is possible, with either one or two liquid components and one solid components. 4. Can be placed directly in the 40ft cabinet.			
HCS17B Cement Silo			
Volume	17m ³	Conveying	40t/h
Inlet Dia.	100mm	Outlet Dia.	273mm
Power	18.5Kw	Power supply	380V,50Hz
LMA20 Mixing Plant			
Mixer		Agitator	
Volume	1000L	Volume	1100L
Flow	1200L/min	Speed	25r/min
Max. output	20m ³ /h	Level sensor	Damped rotation controller
Power	15Kw	Power	3.0Kw
Air supply system		Water supply system	
Flow	300L/min	Water tank volume	750L
Pressure	0.8MPa	Flow@lift	9.03L/s@27.5m
Power	3.0Kw	Power	3.0Kw
Power supply		380V, 50Hz	
Note 1. All data are tested by water. 2. We can customize products according to your requirements.			

4. Machine Pictures Gallery





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