

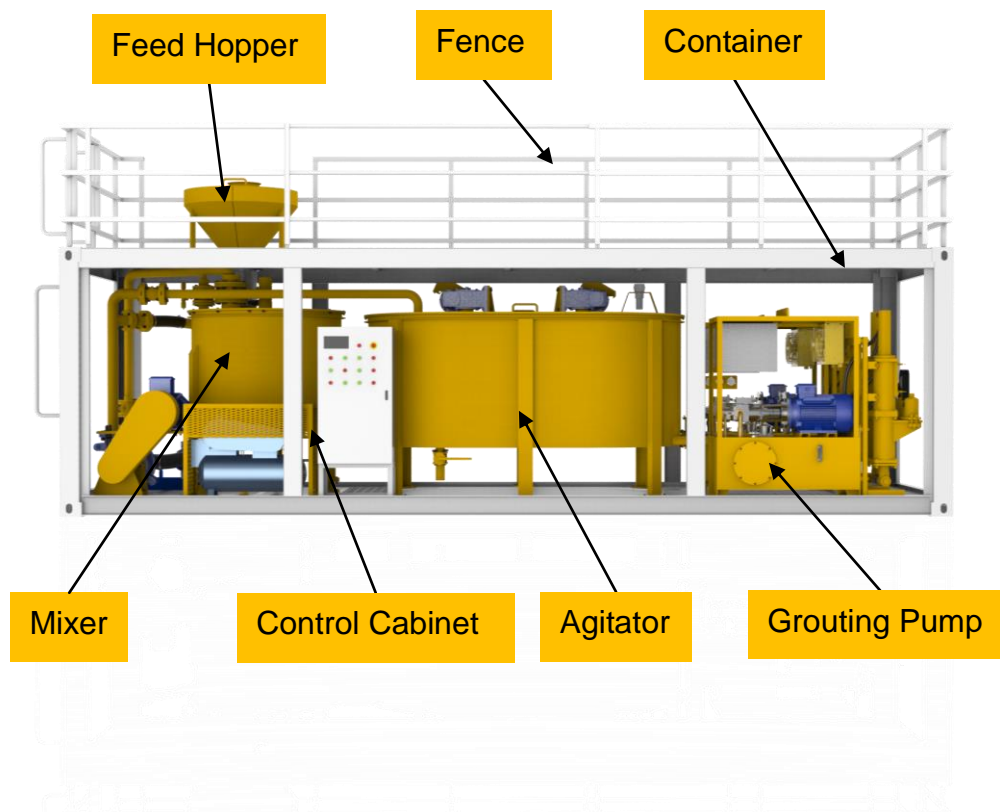
LGP1000/4000/2x165/30PL-E Automatic grouting pump with mixer

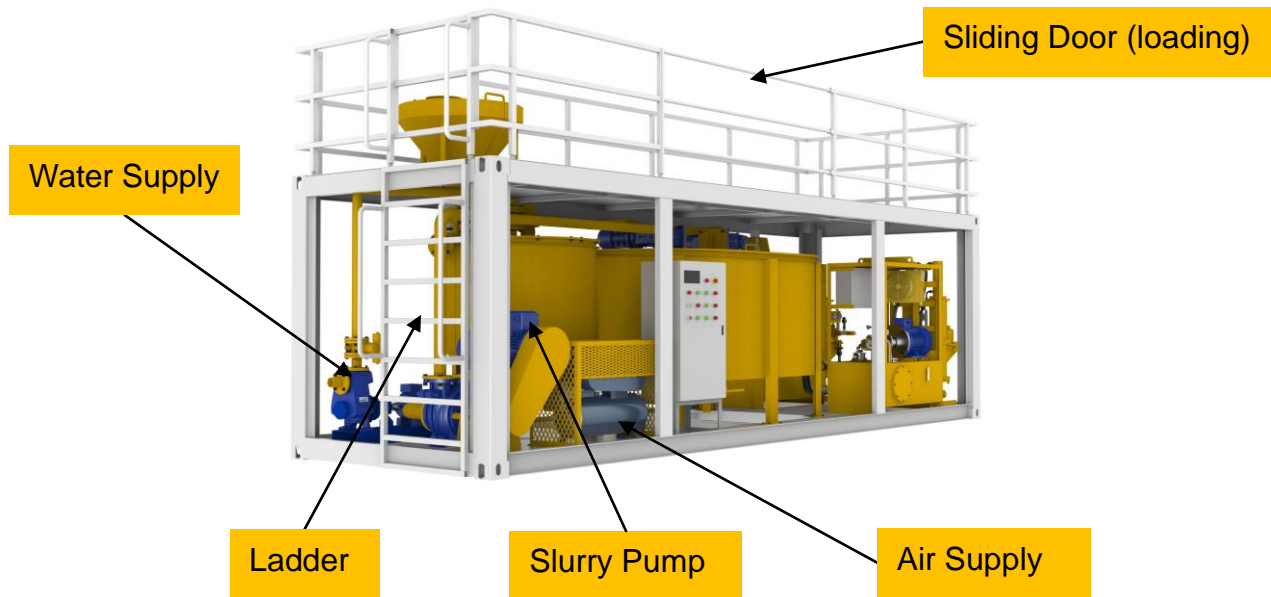
1. Description

LGP1000/4000/2x165/30PL-E Automatic grouting pump with mixer 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 preparation of ternary or quaternary compound mixing is possible, with either one or two liquid components and one solid component. The cement mixture or the bentonite slurry is then transferred to the other units by a plunger pump(2 sets to choose), according to the type of foreseen geotechnical machinings.

This setup is suitable for a wide range of applications such as anchoring, sleeve pipe, contact, and backfill grouting or Preparation and pumping of bentonite suspensions for pipe jacking and micro tunneling.

2. Features



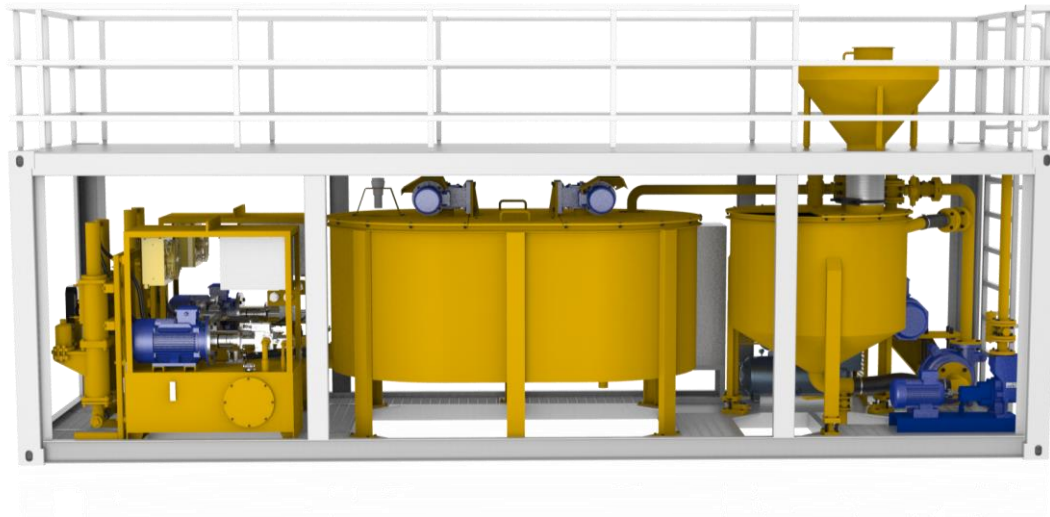


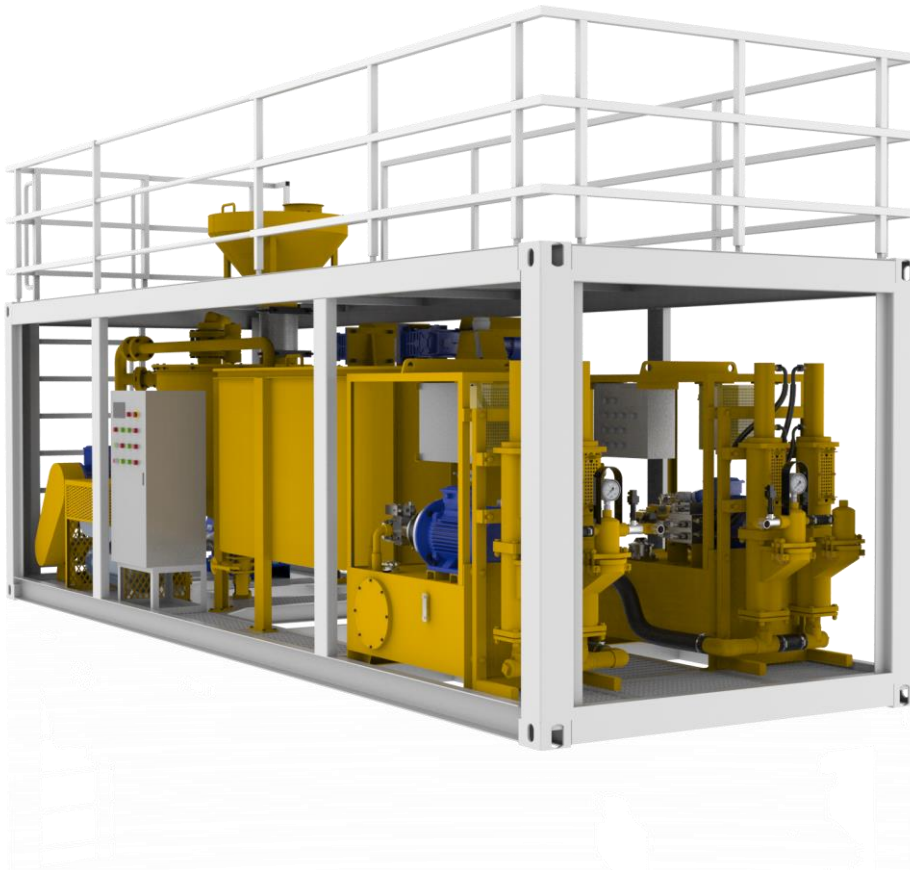
- ◆ High-speed colloidal grout mixer
- ◆ Main pipeline valves are all pneumatic valves
- ◆ Mixer, slurry pump and agitator have automatic cleaning function
- ◆ Cement can be added by screw feeder automatically
- ◆ The preparing of ternary or quaternary compound mixing is possible, with either one or two liquid components and one solid components
- ◆ Two modes of operation: fully automatic mode and manual mode
- ◆ Output and pressure can be step-less adjusting
- ◆ High productivity due to ergonomically positioned operating elements
- ◆ Independent of pressure ratios, the suction stroke is always carried out at high velocity in order to flush the valves and to avoid clogging
- ◆ High reliability and low-maintenance operation with good accessibility to the wear parts
- ◆ Up to 5mm particle size
- ◆ Equipped with some ceiling lamps, for illuminating the different working areas
- ◆ Can be placed directly in the 40ft 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 component. 4. Output and pressure can be step-less adjusting. 5. High reliability and low-maintenance operation with good accessibility to the wear parts. 6. Can be placed directly in the 40ft cabinet.			
LGP1000/4000/2x165/30PL-E Automatic grouting pump with mixer			
Mixer		Agitator	
Volume	1000L	Volume	4000L
Flow	1200L/min	Speed	36r/min
Max. output	20m ³ /h	Level sensor	Ultrasonic sensor
Power	15Kw	Power	2×3.0Kw
Air supply system		Water supply system	
Flow	280L/min	Flow@Lift	5.6L/s@30m
Power	2.2Kw	Power	4.0Kw
Grout Pump			
Pressure	0-3MPa	Plunger	120mm
Flow	2×(0-10m ³ /h)	Plunger stroke	200mm
Oil tank	2×180L	Cylinder bore	80mm
Power	2×15Kw	Cylinder rod dia.	45mm
Size@Weight		7200(L)×2200(W)×3160(H)@8.5t	
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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