

LZ-9L Rotary machine for pea gravel backfilling



◆ **Product Description**

LZ-9L Rotary machine for pea gravel backfilling is a multifunctional rotor type machine for wet and dry spraying and conveying. The materials which can be sprayed and conveyed are concrete, mortar, refractory, sand, pea gravel and crushed stone.

LZ-9L Rotary machine for pea gravel backfilling compared with the traditional spraying and conveying machine, it has several advantages: hydraulic floating compression (pressure automatic compensation after the rubber sealing plate is worn), hydraulic turning hopper house, hydraulic lifting rotor body, automatic anti-blocking function, rubber seal plate automatic lubrication, the locally control mode and remote control function with PLC control system, which greatly enhance the degree of automation of the machine and increase the machine efficiency.

Therefore, this machine is installed into the TBM for the pea gravel spraying, as well as it is widely used in mines, tunnels, culverts, subways, hydropower projects, underground projects, etc.

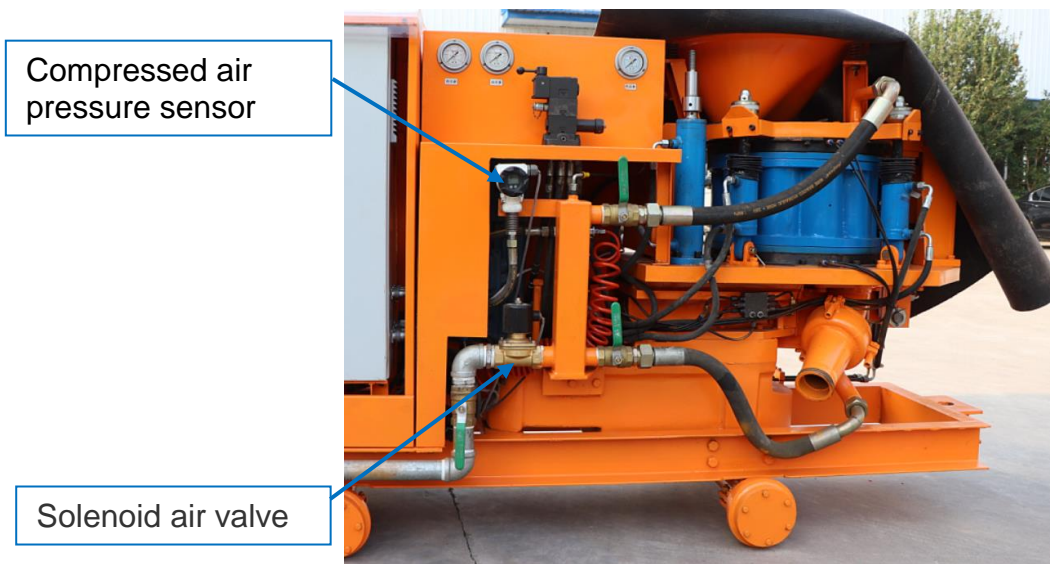
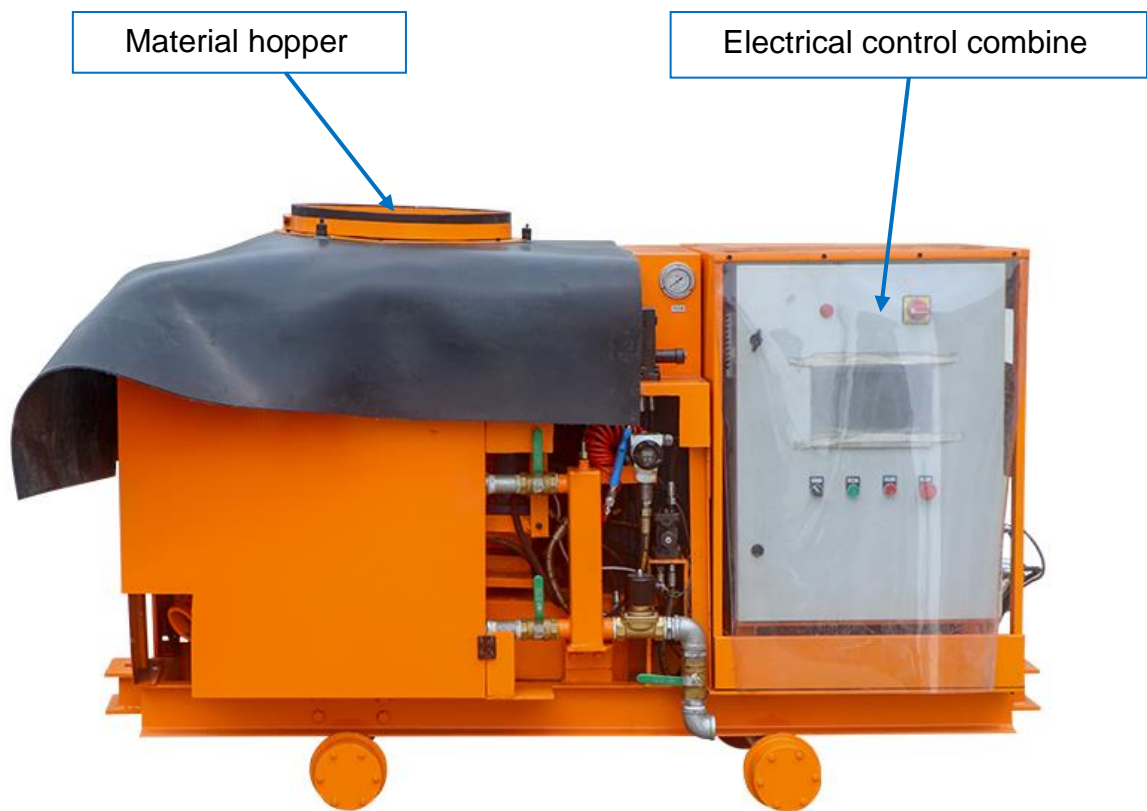
◆ **Product Feature**

1. Hydraulic floating compression (pressure automatic compensation after the rubber sealing plate is worn).
2. Hydraulic turning hopper house.
3. Hydraulic lifting rotor body.
4. Rubber seal plate Automatic lubrication.
5. Locally control mode and remote control function.
6. Conveying hose automatic anti-blocking function.
7. Add the dosing pump, it can be used for wet shotcrete.

◆ Product Specification

Name	Data
Type	LZ-9L
Motor power	7.5 KW (main motor) +0.75 KW (hydraulic system) +0.04 KW (vibration motor)
Voltage	380V, 50Hz, three-phase four-wire
Rotor volume	13 L
Maximum theoretical production capacity ①	3-9 m ³ /h
Speed control	PLC+Touch Screen+VFD
Hose size (mm) (inner diameter × outer diameter)	64 × 85 mm
Aggregate diameter	20 mm
Air consumption of rotor	12-14 m ³ /min
Protection grade	IP55
Working pressure	2-4 bar
Discharge diameter	64 mm
Horizontal conveying distance (according to wind pressure)	200 m
Vertical conveying distance (depending on wind pressure)	60 m
Power supply	220V(380V, 415V Multiple choices)
Dimension	2295 × 950 × 1350 mm
Weight	1425 Kg
①Data is based on safe filling and complete emptying of the cylinder.	
We could also customize according to your demands.	

◆ Detail Part





Rubber seal plate automatic lubricating pump with low level sensor

Lubricating points



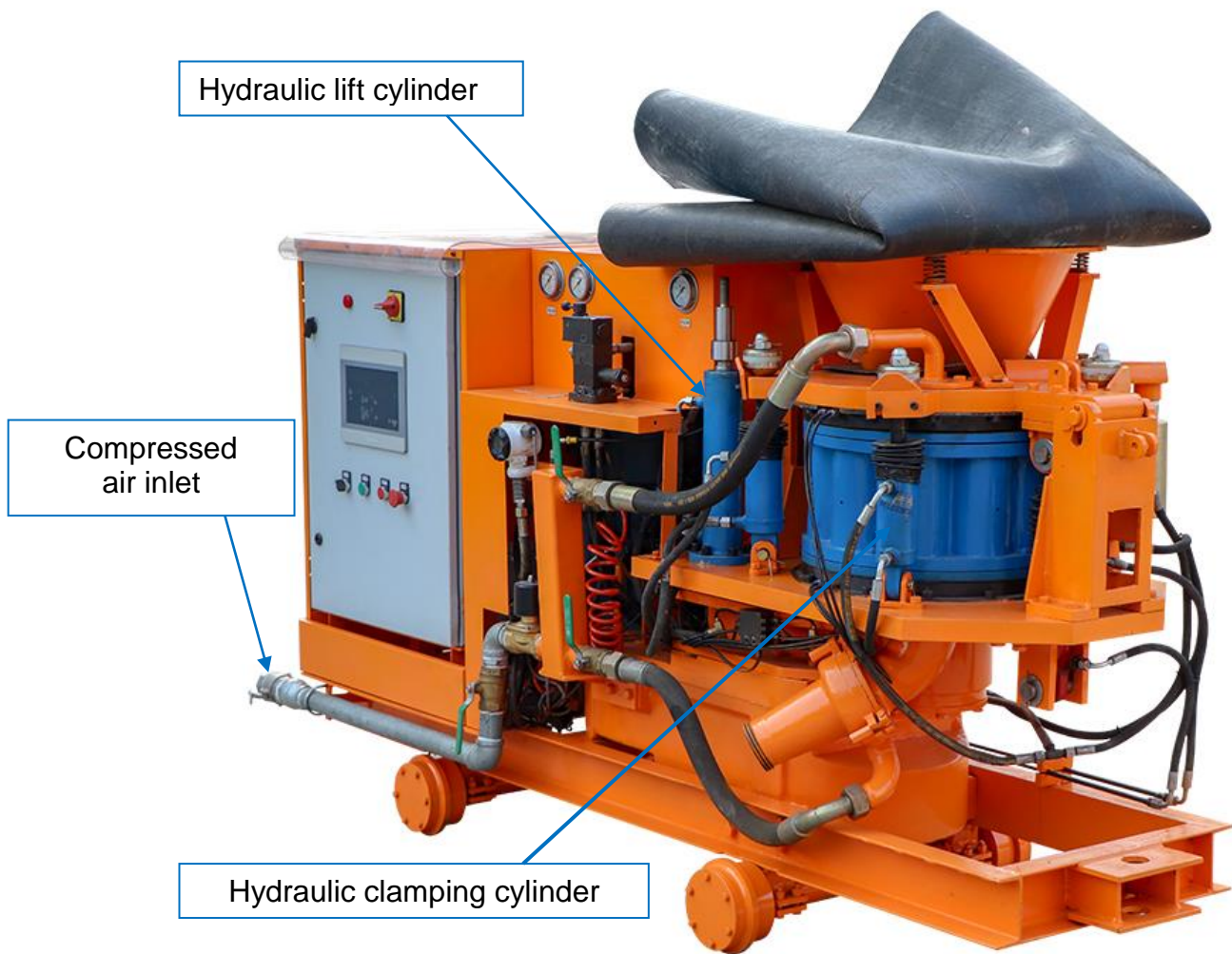
Hydraulic lift the rotor



Touch screen



The hand valve for hydraulic clamp



◆ Pictures





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