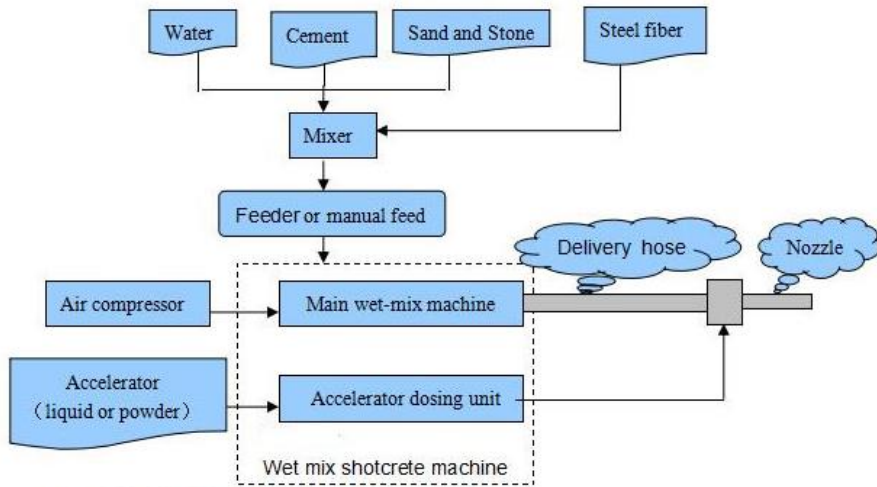


LSZ3000 Wet Mix Shotcrete Machine / Concrete Spraying Machine/Gunite Machine

Wet-process shotcrete

The wet concrete is poured into the vibratory hopper of the machine, which flows into the through-going chambers of rotor and moves to the discharge outlet with rotor running, where it is blown to whirl stream implement by compressed air led by air pipe. Hence it is blown by scattering, accelerating, whirling and floating vortex stream and through conveying hose to the nozzle, where the required volume of liquid accelerator is added.



Note: Steel fiber is option material.

Shotcrete or spraying concrete was used on applications such as

- Tunneling construction;
- Mining support (sprayed concrete walls and ceilings);
- Swimming pool (sprayed concrete shells);
- Retaining wall construction;
- Concrete wall construction;
- Concrete building repair (bridge repair, infrastructure repair etc.);
- Excavation-protection;
- Hydropower projects;
- Concrete dome construction

MORE BETTER PERFORMANCE SAFE RELIABLE



- ◆ Reasonable design, convenient to move;
- ◆ Convenient operation and longevity of service;
- ◆ Spraying flow is even, continuous and steady;



Special hopper design
Concrete Slurry laying off more easily



Special design clamping device:
Easy to adjust the pressure between sealing plates and rotor disk, so no air and dust leak out



Hose type dosing pump for liquid accelerator, more stable, more better performance



1. gearbox with Hardened process
2. Gearbox house made by CNC machined
3. China famous bearings LYC or HRB



- Sealing plate features:
1. hardness: 75-80degree,
 2. Akron abrasion≤0.2cm3/ /1.61KM,
 3. working temperature≥110°C,



Solid tyres, won't be punctured at work site
Heavy duty

Specially design, more better quality bring more longer working life, save more troubles when use

Technical data sheet

Item	LSZ3000E	LSZ3000D	LSZ3000A
Output Capacity	5m ³ /h	3-5m ³ /h	3.5-5m ³ /h
Max. Horizontal Conveying Distance	For dry mix process: 200m (70m vertical conveying distance) For wet mix process: 35m (10m vertical conveying distance)		
Suitable Mix Ratio(Cement/Sand)	≤1:4~5		
Max. Aggregate Size	Φ15 mm		
Conveying Hose Inner Diameter	Φ64mm		
Conveying Pressure	0.2-0.4MPa(29-58PSI)	0.2-0.6MPa	
Air Consumption for conveying material	10~12m ³ /min(180-215CFM)	10~12m ³ /min+ 12m ³ /min for air motor	
Concrete slump	8-15cm		
Material Charging Height	1.1m		
Rotor Speed	11r/min		
Dosing pump rated pressure	0.8Mpa		
Dosing pump output	28-130L /h		
Motor Power	7.5kW,IP55 380V, 50Hz	20HP 2200rpm Automatic Clutch Electric start	-----
Overall Dimension(lengthxwidthxheight)	1.65x0.9x1.25m	2.66x1.11x1.50m	1.65x0.9x1.25m
Net Weight (about)	900kgs	950kgs	900kgs

The LSZ3000 wet shotcrete machine is available in following versions:

- Standard: with electric motor drive, voltage could be meet worksite demands;
- Customized:
 - ◇With air motor drive (22m³/min air consumption)
 - ◇With diesel engine drive(10-12m³/min air consumption)

The type also could be used as dry gunite machine if the dosing don't work, multipurpose



LSZ3000A air motor drive wet shotcrete machine



LSZ3000D diesel engine drive wet shotcrete machine



- Screw type air compressor for option
- Electric motor drive type
 - Diesel engine drive type

If the wet shotcrete machine too small for you, Lead Equipment also have many other types for choose:



LPS-7A wet shotcrete machine
“S” valve type, 5-8m³/h output, more conveying distance, more powerful



HSC series robotic concrete spraying system:
Output: 20-30m³/h;
Max. spraying height: 16m
higher efficiency, save time and labor cost
widely be used for build tunnel