

Dry Mix Gunite Shotcrete Machine



About Oriental

Henan Oriental Machinery Co., Ltd. is a state-designated manufacturer and exporter of Road and Building construction machineries since 1989, We are the manufacturer, supplier & exporter of semi-automatic and full-automatic dry mortar mixing plants, large and medium size of concrete mixing plants, all kinds of concrete mixers and cement silos, Spraying machine and Pump.

Shotcrete Machine

Introduction Of Dry Mix Gunite Shotcrete Machine

Gunite, also known as "dry process shotcrete", uses a different process than wet process shotcrete. Gunite machines use air pressure to convey dry material from the machine through the hose to the nozzle where water is added.

OPZ Series is a low to high production, continuous-feed material placement unit for dry-mix gunite or refractory materials. It is equally at home underground in a mining environment as it is on a construction jobsite. This kind gunite machine has a rotor feed system, which stands up job-after-job to ensure a long service life with low maintenance. Several hose and nozzle options are available to meet the demands of every gunite / shotcrete spraying application.

APPLICATIONS OF DRY MIX GUNITE SHOTCRETE MACHINE

The power system is consisted by technical diesel engine or electrical engine. It can drive the pumping system directly which simplified the linkage structure and improved the efficiency. Strong power system reduced the rate of occurring faults;

The main hydraulic pump and valve group of hydraulic system is adopted Germany Rexroth open-style system with accurate and reliable exchanging;

The elements of electrical controlling system is adopted Japan and Germany's original parts. The excellent assembly quality fully guaranteed the function of electrical controlling system;

The special design of hopper and vane reduces the space of mixing blind angle thus makes the machine suitable for many kinds of concrete;

The Intelligentize & hommization design, easy to care and operate;

The specific configuration can be changed according to client's situation.

FEATURES OF DRY MIX GUNITE SHOTCRETE MACHINE

1. Non-adhesion going through rotor with new material chamber, completely eliminate bonding and blocking during operation so as to reduce clearance and maintenance period;
2. Four-point clamping device make it easy to adjust the press between sealing plate and rotor disk so as to no air and dust leak and prolong consumption parts life;
3. Low pressure and low speed vortex air transport;
4. Well compact and seal, small dust, durable rubber plate;
5. Apply to steel fiber or chemical fiber concrete spraying.

TECHNICAL PARAMETERS OF DRY MIX GUNITE SHOTCRETE MACHINE

Type	OPZ-3	OPZ-5	OPZ-9
Name			
output	3 m ³ /h	5-5.5 m ³ /h	9 m ³ /h
Max. conv. dist	200 m	200 m	150 m
Water cement ratio	< 0.4	< 0.4	< 0.35
Max. Aggregate size	10 mm	15 mm	20 mm
Hose inner size	Φ42/50 mm	Φ50 mm	Φ64 mm
Operating air pressure	0.2-0.6 MPa	0.2-0.6 MPa	0.2-0.6 MPa
Air consumption	5-6 m ³ /min	7-8 m ³ /min	9-10 m ³ /min
Motor power	3 kW(4hp)	5.5 kW(7.5hp)	7.5 kW(10hp)
Voltages	380V, 440V, 660V, 1140V 50Hz/60Hz		
Basic chassis	Basic chassis is tyre ① Skid ② and rail-wheel ③ are optional		

Note: Any change of technical data will not inform additionally.

Reliable, super-quality, long-duration.



喷头 Nozzle 转子体 Rotor 密封板 Sealing Plate 钢衬板 Rotor Disk 弯头 Rubber Elbow 锥套 Cone Casing Pipe 料腔 Rubber Chamber



出货中亚 Ship to Saudi Arabia



III.风马达驱动型 Air Motor Drive



II.柴油驱动型 Diesel Drive



I.电驱动型 Electric Drive



生产车间 Product Shop