

Shotcrete Machines

Wet and Dry



M-287 / M-260 Concrete Spraying Machines • M-252 Shotcrete Machine
M-800 / M-500 Cement/Sand Supply Bin

M-287 Concrete Spraying Machine

- Designed for Wet and Dry System concrete laying
- Concrete speed spraying reduces costs by minimizing labour, compressor fuel consumption, and use of consumables
- Newly developed special enclosure design for occupational health and safety
- Two speed driver motor allows custom spraying techniques
- Optional voice communication with wireless remote control system for turning on and off nozzle tip
- Electrical protection system in case of motor overload
- Torque wrench used or tension rod system on four points for even tightening
- Skid mounted or wheeled options.



TECHNICAL DETAILS

Rotary Capacity (Litres)	18.5 litres
Concrete Transfer Capacity	4-10 m3/h
Shooting Air Pressure	5-9 bar
Shooting Air Capacity	15 / 21 m3/min
Concrete Transfer Hose	2 1/2"
Wet Mix Range	Horizontal 40 meters Vertical 30 meters
Dry Mix Range	Horizontal 300 meters Vertical 100 meters
Aggregate Measure	5-21 mm
Grease Pump	Automatic
Driver Motor	8.7 kW - 1500 RPM 5.7 kW - 1000 RPM 480V/60Hz 600V/60Hz
Vibration Motor	0.17 kW
Remote Control	Optional
Weight	1.500 kg



M-260 Concrete Spraying Machine

- Designed for Dry System concrete laying
- Single speed motor
- Two different rotor choices 13 litres / 21 litres are available
- Can be used to store dry concrete.



TECHNICAL DETAILS	M-260/1	M-260/2
Rotary Capacity (Litres)	21 litres	13 litres
Concrete Transfer Capacity	5-12 m ³ /h	6-7 m ³ /h
Shooting Air Pressure	5-10 bar	5-10 bar
Shooting Air Capacity	15/21 m ³ /min	10/12 m ³ /min
Concrete Transfer Hose	2 ½"	2 ½"
Dry Mix Range Horizontal/Vertical	150 m / 60 m	150 m / 60 m
Aggregate Measure	5-21 mm	5-21 mm
Grease Pump	Manual	Manual
Driver Motor	7.5 kW 480V/60Hz 600V/60Hz	7.5 kW 480V/60Hz 600V/60Hz
Vibration Motor	0.17 kW	0.17 kW
Weight	1.000 kg	1.000 kg

M-252 Shotcrete Machine

- Refractory Concrete Spraying Machine
- Two speed motor
- In case of malfunction the unit can be repaired easily and quickly.

Areas Of Application

Tunnel, underground works, excavation soil support, retaining walls, pools, storage tank, curved surfaces, buildings of different structures, bridge, sea ports, repair and restoration of dams, strengthening buildings against earthquakes.



TECHNICAL DETAILS	M-252/1	M-252/2
Rotor Capacity (Litres)	6 litres	7 litres
Concrete Transfer Capacity	2-4 m ³ /h	2-4 m ³ /h
Greaser	Automatic	Automatic
Concrete Delivery Hose Measurements	1 ½" 40 bar	2" 40 bar
Spraying Air Pressure	5-10 bar	5-10 bar
Spraying Air Flow	6-10 m ³ /min	6-10 m ³ /min
Aggregate Measure	1-5 mm	1-10 mm
Dry Mix Range Horizontal/Vertical	150 m	50 m
Driver Motor	4 kW - 1500 RPM 480V/60Hz 600V/60Hz	2.2 kW - 1000 RPM 480V/60Hz 600V/60Hz
Machine Measurements	Width: 58 cm / Length: 120 cm Height: 120 cm / Weight: 600 kg	
Control Nozzle	Hard-tipped	Hard-tipped
Remote Control, pneumatic	Optional	Optional

M-800 / M-500 Cement/Sand Supply Bin

Extra-large funnel discharge allows for full flow of product.

This part is double thickness of 6mm Hardox for wear resistance, and the rest of the bin is 4mm thick Hardox.

Safety limit switches provide worker safety.



Double pivot points allow maximum movement.

Additional safety guards around bin.

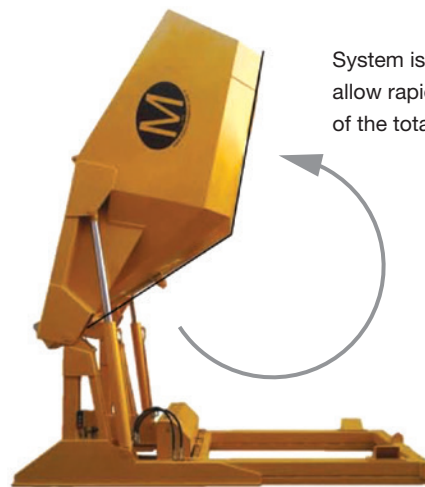
The bin is very secure with extra-large foot mounting.

Safety guards prevent the bin from being damaged.



TECHNICAL DETAILS

	M-800	M-500
Concrete Capacity	8 m3	5 m3
Lifting System	Hydraulic	Hydraulic
Bin Reservoir Material (durable against wearing out)	Hardox 450"	Hardox 450"
External Protection (For Safety Work)	Standard	Standard
Driver Motor	15 kW 480V/60Hz 600V/60Hz	11 kW 480V/60Hz 600V/60Hz
Vibration Motor	0.17 kW	0.17 kW
Weight	5.000 kg	4.250 kg



System is designed to allow rapid emptying of the total bin.