

IPM 500 Wet and Dry Shotcrete Machine



This concrete spraying machine is designed for efficient processing of both wet and dry mixtures, making it ideal for shotcrete applications in tunnels, mines, bridges, buildings, and slope stabilization. Built for ease of use, it features an intuitive manual operation system for seamless control.

The machine delivers precise and reliable spraying performance. Its electrical protection system prevents motor overload, while the Smart variable speed drive provides adjustable speed control for optimized output.

The machine's hydraulic clamping arm operates on four points and is tightened with a torque wrench, minimizing rubber consumption during operations. Available in both chassis and wheeled options, the machine is easily transportable and adaptable to various job sites. Its compact design makes it suitable for confined or low-ceiling environments, allowing for single-person cleaning and maintenance.

For added convenience, the dosing pump can be mounted separately, enabling simultaneous operation of both the machine and the dosing system. High serviceability is a key feature, with parts replacement being quick and straightforward—requiring no calibration or adjustments afterward and eliminating the need for specialized personnel. Designed for both wet and dry applications, this versatile spraying machine supports aggregates up to 12 mm in diameter, with a capacity of 10 m³/h for wet and 15 m³/h for dry shotcrete applications.

IPM 500 SHOTCRETE MACHINE	
Concrete Transfer Capacity	4-10 m ³ /h
Spraying Air Pressure	8-12 bar
Spraying Air Flow	15-21 m ³ / Min.
Concrete Delivery Hose Dimension	2½ "12 bar (63 / 85 mm)
Wet Mix Range	Horizontal 40 Mt. / Vertical 15 Mt.
Dry Mix Range	Horizontal 100 Mt. / Vertical 40 Mt.
Aggregate Measure	5-12 mm. Max.
Grease Pump	Automatic - Manual
Main Motor Output	15 Kw. 380V 50-60 hz
Vibration Motor Output	0.17 Kw. 380V 50-60 hz
Concrete slump	12-15
Weight	1050 Kg.

