

 **BASF**

The Chemical Company

Solutions for tunneling and mining

MEYCO Piccola - GM



Expanding Horizons

Underground

MEYCO

Both MEYCO® Piccola and MEYCO GM are used for processing sprayed concrete. This is an adaptable, flexible and economical construction method but best results are achieved when using the appropriate equipment for the job! MEYCO provides the ideal equipment and accessories for the following applications.



Applications

MEYCO Piccola

- Slope protection.
- Small to medium area repairs.
- Swimming pool construction.
- House building.
- Spraying of fine mortars for joint repairs.
- Emergency and back-up work on TBMs.
- Refractory lining.
- Conveyance of all types of dry materials such as gravel.
- Sandblasting.
- Sprayable membranes.
- Fire protection.

MEYCO GM

- Slope protection.
- Medium to large area repair work.
- Swimming pool construction.
- House building.
- Tunnelling lining.
- Emergency and back-up work on TBMs.
- Conveyance of all types of dry materials such as gravel.

Configuration Table

Piccola		1st/2nd speed		
Rotor		Volume l	Outlet/hose mm	m ³ /h theor.
12 Round hole	90 mm (spec.)	0,9	25/32	0,3/0,6
12 Round hole	90 mm	1,8	25/32	0,6/1,5
12 Round hole	180 mm	3,5	32/40	2,1/2,7
Circular sector	90 mm	3,7	40/50	2,2/2,9
9 round hole	180 mm	4,8	50	2,9/3,7
Circular sector	180 mm	6,4	50	3,8/5,0
GM				
9 round hole	180 mm	8,17	50	4,4/6,7
Circular sector	180 mm	11,76	50/65	6,4/9,7
Double 9 round hole		16,20	65	6,9/10,4
Double circular sector		23,50	80	10,5/15,1

Overview

MEYCO Equipment developed the first rotor-type machine, the MEYCO GM in 1957. This was a breakthrough in pneumatically transporting dry-mix sprayed concrete (also known as shotcrete or gunite) and other dry materials. The MEYCO Piccola and MEYCO GM are the modern versions of the original machine and they still operate according to the now, very widely, used rotor principle. They are robust, require little maintenance and are simple to operate. They are so versatile that they can be used for all types of dry shotcreting work. The MEYCO Piccola is a smaller version of the MEYCO GM and both machines can be custom equipped to your specific requirements and budget.

Features



+ Very robust and simple design, almost fool-proof in operation, leading to a long operational life.
High degree of safety.



+ Adaptable, extremely flexible in both performance and control thanks to modular system.



1 Exchanging wear parts or converting the machine to other outputs can be done without special technical know-how thus avoiding down-times etc.



2+9 All wear parts are freely accessible and outlet assembly can be removed, and refitted within seconds.

3 Special self-levelling, single spindle clamping system applies uniform pressure to all sealing surfaces.

+ Rubber pads and friction discs can be refaced several times.



4 Machines available in electrical, diesel, air powered versions!

5 Belt drive protects the gear box, motor and adds additional safety.

6 Pneumatic tyres with guide fork and towbar assure optimum manoeuvrability.



7 Operation via remote control (option).

8 Feed hopper with vibrator (option) rests on 4 resilient (shock-absorbing) elements and includes built in sieve for safety.

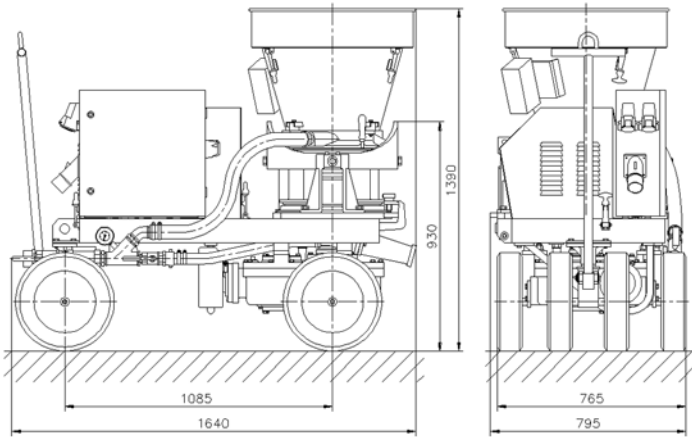
9 Daily cleaning work is very time efficient thanks to the one spindle clamping system.

+ Huge range of nozzle sizes, shapes and materials for all applications and conditions.

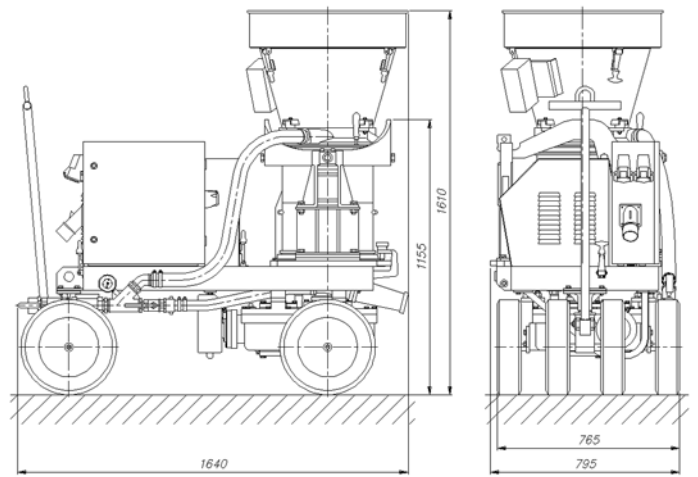




Technical Specifications



MEYCO GM with electric motor + single rotor



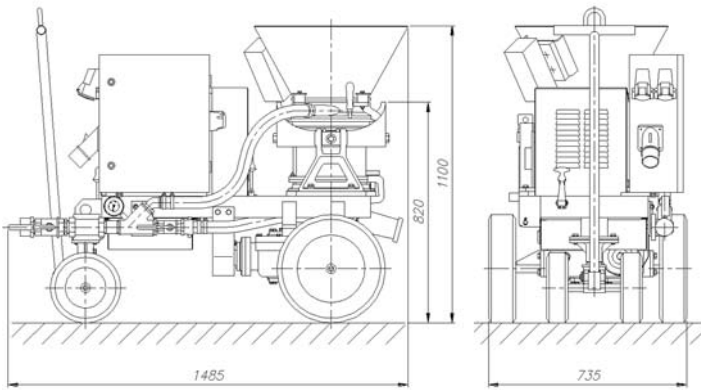
MEYCO GM with electric motor + double rotor

Specifications	GM	
Weight	Overall – machine only	700–810 kg
Power/Drive	Electric motor	7.5 kW
	1 speed 3 x 400 V/50 Hz	1440 1/min
	Electric motor	5.0/7.0 kW
	2 speed 3 x 400 V/50 Hz	970/1470 1/min
	Protection class	IP55
	Diesel	7.9 kW
		2100 1/min
Air motor		7.4 kW
		1000 1/min
	air consumption (of air motor only)	8.0 m ³ /min
		0.6 MPa
Delivery system	Hoses sizes, dependent on application	50, 65, 80 mm
	Recommended max. grain size for spraying	8 mm

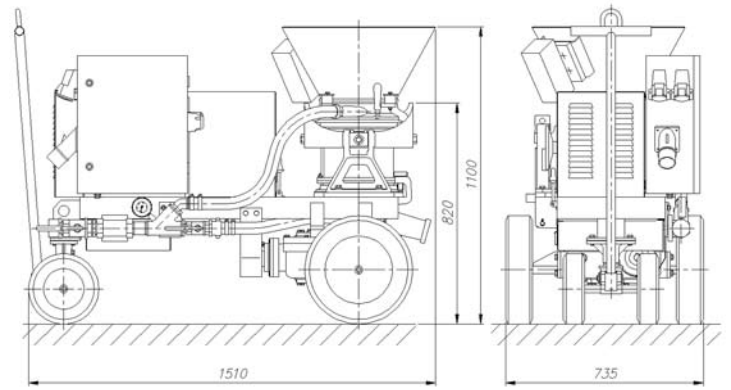
MEYCO Piccola



Technical Specifications



MEYCO Piccola with electric motor



MEYCO Piccola with electric motor and variable gear

Specifications	Piccola	Piccola Vario	
Weight	Overall – machine only	450–470	470 kg
Power/Drive	Electric motor	4.0	kW
	1 speed 3 x 400 V/50 Hz	3000	1/min
	Electric motor	2.2/3.3	kW
	2 speed 3 x 400 V/50 Hz	970/1470	1/min
	Electric motor and variable gear 3 x 400 V/50 Hz		4.0 kW
	Protection class	IP55	IP55
	Diesel	5.6	kW
		3000	1/min
	Air motor	5.6	kW
	air consumption (of air motor only)	1500	1/min
	5.0	m ³ /min	
	0.6	MPa	
Delivery system	Hose sizes, dependent on application	25, 32, 40, 50	25, 32, 40, 50 mm
	Recommended max. grain size for spraying	4–6	4–6 mm

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MEYCO Equipment**

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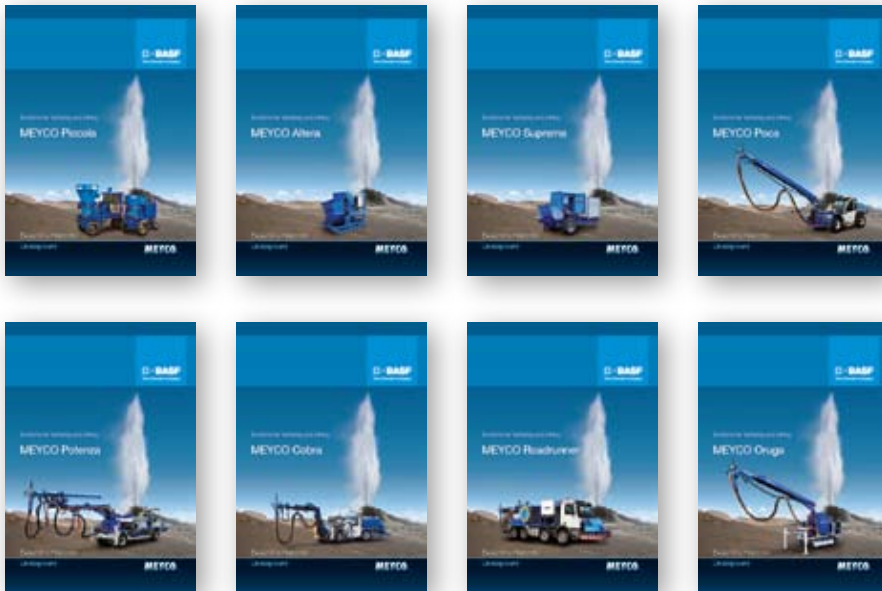
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Brochures on our equipment solutions are available at www.meyco.basf.com



MEYCO Customer service

MEYCO, its affiliated companies and selected representatives worldwide offer competent advice, prompt service and efficient training for your personnel. We maintain service support centres in Switzerland, Germany, Norway, Turkey, USA, South and Central America, Middle East, China, India, South East Asia and Australia.

Being a part of BASF, The Chemical Company, is a major factor in our success. Technical and design modifications remain reserved at all times.

Technical properties have been achieved under theoretical and normal conditions. Please consult the respective machine manual for all matters related to safety, operation and maintenance.

Certified quality



Our products conform
to EU standards



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