

 **BASF**

The Chemical Company

Solutions for tunneling and mining

MEYCO Oruga



Expanding Horizons

Underground

MEYCO

MEYCO Oruga | Overview

The MEYCO® Oruga is a mobile spraying unit for automating the application of shotcrete. It is equipped with a MEYCO Rama 4 spraying manipulator and a electro-hydraulic power source and mounted on a very robust tracked carrier vehicle. Suitable for both wet and dry methods, the MEYCO Oruga can increase output to a level impossible with manual spraying, while vastly improving safety standards for the nozzle-man.

Features



1 The MEYCO Rama 4 spraying manipulator is compact yet has two extensions to allow great reach, powered by a 7.5 kW electro-hydraulic drive unit.

2 Lance extensions are fitted with tough rebound protection to reduce damage and maintenance.

3 Mounted on a very agile carrier vehicle so that it can operate in the tightest tunnels and pits.

4 Each track has its own independent hydrostatic drive, enabling the vehicle to spin around on its axis for the greatest possible mobility!



5+6 Powerful, air-cooled, 14 kW diesel engine powers the vehicle.

6 The operator can sit whilst driving or operating.

7 Outriggers are fitted to provide the stability necessary during spraying.



8+9 Electric remote control with 15 m cable (or radio as option) controls all manipulator functions.

9 Remote control can also be integrated with MEYCO Suprema sprayed concrete machine.



10 Standard full-size MEYCO spraying head for ideal spraying position and strength to enable use of 65 mm or even 80 mm diameter wet-spraying nozzle.

11 Nozzle mounting and anti-kink spring for spraying hose is fitted as standard.

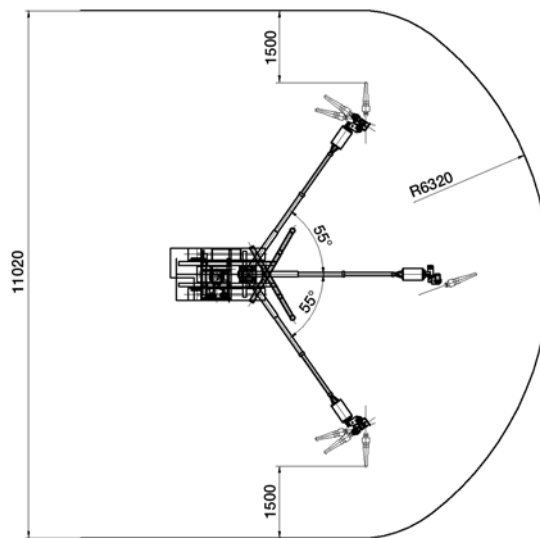
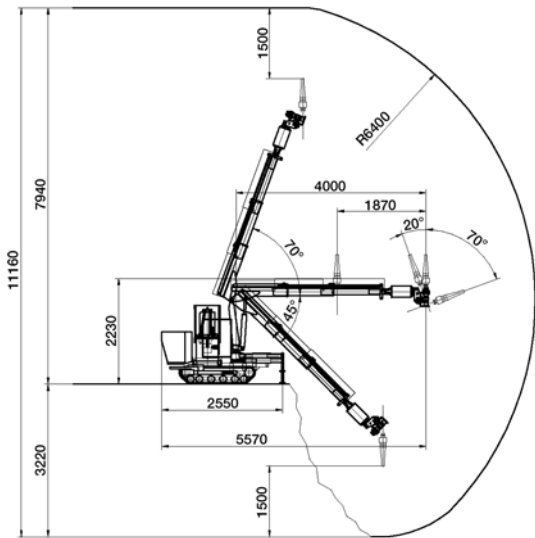


Applications

The MEYCO Oruga can be used for virtually all types of wet or dry sprayed concrete application, either out in the open for slope protection or in tunnelling where the profile dictates that a smaller manipulator is necessary. Wherever the tunnel advance is dangerous then a manipulator should also be used. Although compact, the MEYCO Oruga's strength and reach give it a real advantage over manual spraying, both in performance and safety.



Technical specifications



Weight	Dry	≈ 1670 kg
Dimensions	Length	2650 mm
	Width	1200 mm
	Outriggers, extended	2000 mm
Power/Drive	Input supply voltage	3 x 400/50 V/Hz 7.5 kW
	Protection class	55 IP
Hydraulic	Main pump	P max. 180 bar Q max. 22 l/min
	Oil tank	100 l
Spraying range	Max. height (incl. 1500 mm nozzle distance)	8 m
	Max. width (incl. 1500 mm nozzle distance)	11 m
Delivery system	Pipe and hose sizes, dependent on application	80, 65 or 50 mm
Carrier vehicle	2 caterpillar tracks, with individual hydrostatic drives and outriggers	
	Diesel engine, air-cooled	14 kW

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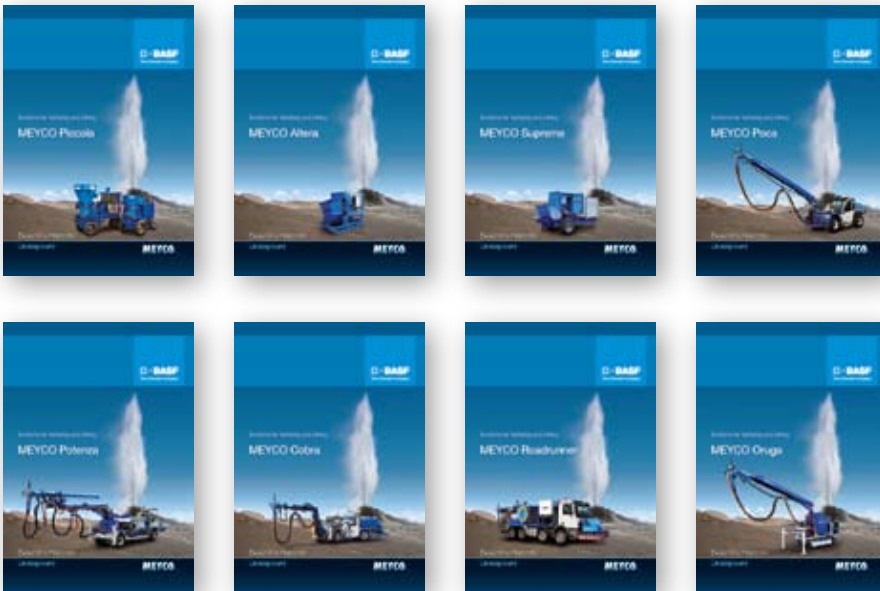
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Brochures on our equipment solutions are available at www.meyco.basf.com



MEYCO Customer Service

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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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