



**MASSENZA**  
**DRILLING RIGS**

since 1921

**MIP** SERIES

MADE IN ITALY





# MIP

## Massenza MIP Series Slope Climbing Machine

A slope climbing rig designed to meet new industrial requirements:

- Site investigation and specialist in situ testing services
- Installation of Electrokinetic Geosynthetic materials, horizontal drains, soil nails, grouting and verification works

### ➤ ACCESSIBILITY

- Designed to work on slope angles up to 45 degrees
- Unique anchoring system on the mast
- Designed for difficult terrain
- Designed to carry all drilling tools and equipment
- Remote control tracking and drilling
- Auto-levelling system for safe tracking
- Designed to CE standards

### ➤ VERSATILITY

- Unique registered design
- Full mast and body rotation

### ➤ DRILLING CAPABILITIES

- Continuous casing system
- Windowless sampling with casing system
- Rotary drilling
- Triplex pump
- 18T of push
- 16T of pull
- Automatic anchoring mast for static and dynamic tests (CPT-SPT-DP)
- CPT/CPTu testing
- Sampling to Class I BS EN 1997-2:2007

Model	MIP18	MIP3
Under-carriage		
Width	1675 mm	1675 mm
Tracks width	300 mm	300 mm
Power pack	HATZ	HATZ
Engine power	73.4 Hp (54 kW)	73.4 Hp (54 kW)
Hydraulic oil tank	110 liters	110 liters
Diesel fuel tank	60 liters	60 liters
Mast	PAGANI	MASSENZA
	Driving inserction force 18 tons	Pull up 3.1 tons
	Extraction Force 16 tons	Pull down 3.1 tons
Rotary head		
Max torque	50 kgm (490 Nm)	448 kgm (4.400 Nm)
Max speed	45 RPM	400 RPM
Water/foam injection pump		
Flow	89 lpm	89 lpm
Pressure	50 bar	50 bar
Recovery winch		
Direct pull max	4.5 tons	4.5 tons



**HIGHWAYS ENGLAND APPROVED WORKS**

CPTu testing sub-horizontally for soil nailing design. The fact that it anchors itself to the slope means it can be left safety on the slope outside shift times

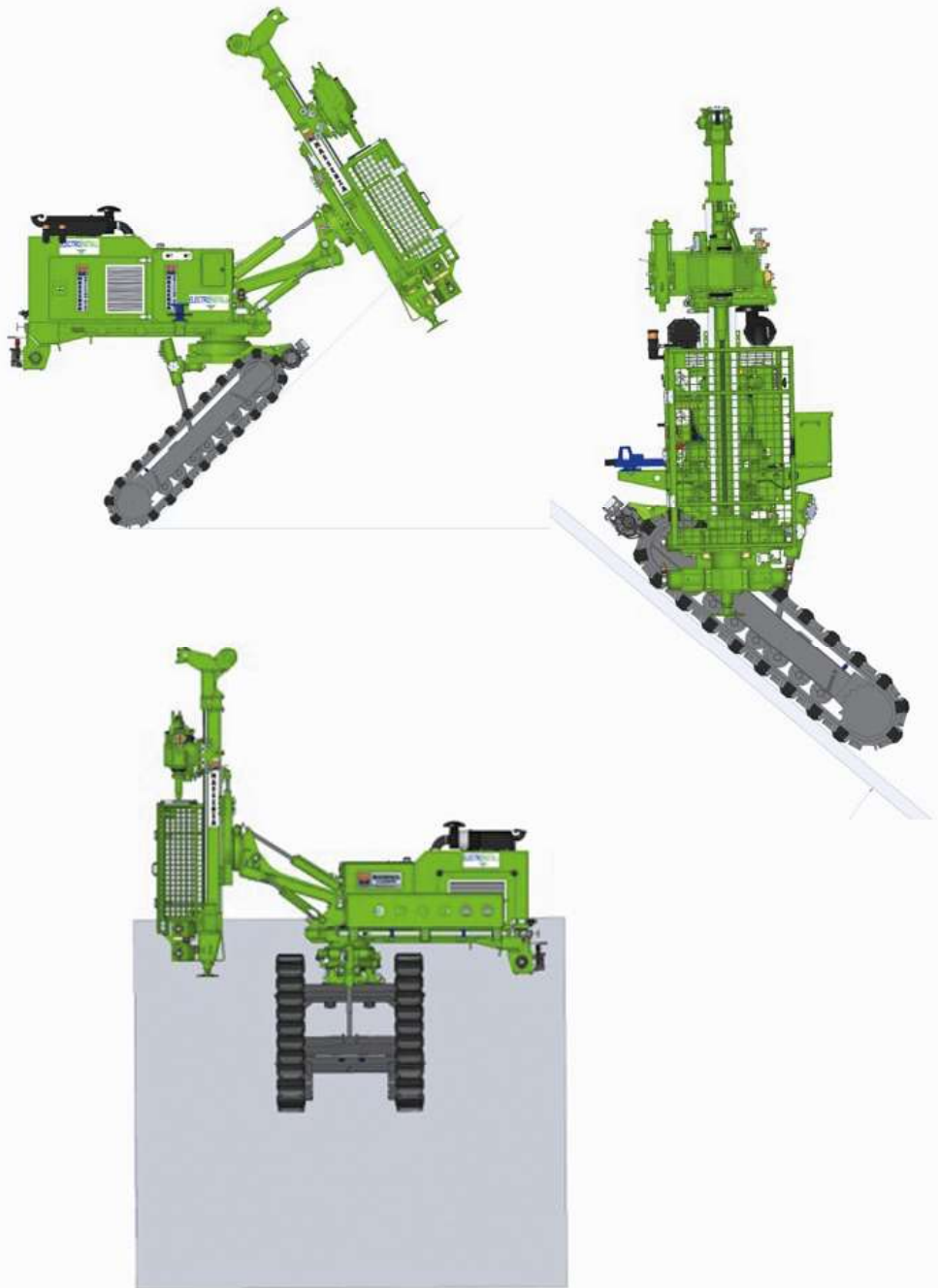
The MIP18 has been proved on many site over the last 4 years. M6, M11, A14, A1(M) and county council projects for



**RADIO REMOTE CONTROL**

Full remote control operation & self levelling system for safer use than standard hydraulically operated

Rotary  
Dynamic  
Sampling  
Capacity  
On Slope



*since 1921*



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