

AssoTrencher IV Mk13

Mechanical Trencher



SPECIFICATIONS

Total installed Power	1.56 MW	
Water depth operating range	800 m	
Dimensions (core vehicle)	Length 8.4 m Width 6.0 m Height 7.5 m	
Dimensions	Trenching Configuration	Backfilling Configuration
	Length 12.6 m Width 6.0 m Height 7.5 m Weight 60 T	Length 14.6 m Width 7.4 m Height 7.5 m Weight 75 T
Submerged weight	56T	
Operations	Pre-Lay and Post Lay Burial capabilities in cutting (clockwise or anticlockwise) Backfilling	
Trencher ground pressure	55kPa	
Max speed on tracks	594m/h	
Max. track pull-force capability (soil dependent)	Up to 20T/per track	

CHAIN CUTTING CONFIGURATION

Power	1.56 kW (installed) +260 kW (optional)
Max. roll & pitch	± 15 deg (Up to 15 deg with up to 8 deg combined)
Capable of cutting	1-5 MPa (up to extremely high strength clays and very weak weathered rocks)
Rear Eductor performance	2x260 kW up to 20bar
Tool Eductor performance	260 kW up to 15bar
Available chains trench depths	1.4m, 2.35m and 3.0m
Max. product diameter	314 mm
Cable path min. curves on vehicle	3.5m
Dead-sub automatic release of product	

WHEEL CUTTING CONFIGURATION

Power	1.56 MW (installed) +260 kW (optional)
Max. roll & pitch	± 15 deg (Up to 15 deg with up to 8 deg combined)
Capable of cutting	50+ MPa (medium to strong rocks)
Rear Eductor performance	2x260 kW up to 20bar
Tool Eductor performance	260 kW up to 15bar
Available wheel trench depths	1.25m and 1.5m
Max. product diameter	314 mm
Cable path min. curves on vehicle	3.5m
Dead-sub automatic release of product	

SENSOR EQUIPMENT

Typical Instrument Configuration

Vision & Navigation Systems	Camera Assoview 2 HD	Up to 16	SDI
	Lodestar Gyrocompass	1	Ethernet
	Teledyne Blueview 2D multibeam sonar	Up to 4	Ethernet
	Kongsberg (Profiling and/or Imaging) sonar	Up to 5	Serial
	Kosberg altimeter	Up to 2	
	Valeport mini IPS sensor // IPS2 depth sensor	1	
Lighting & Motion Systems	LED high intensity fully dimmable lights	Up to 4	
	LED lights	Up to 18	
	Sub-Atlantic Pan & Tilt units	Up to 7	

SUBSEA ELECTRONICS

Electronic pod	2 pressure barrels		
Depth rating	2000m		
Data transmission	F.O. multiplexer		
Type of Port	Ports Used*	Ports Available**	Ports Expandable**
SDI	16	16	
Ethernet	5	10	
Serial	8	18	24

* Represents the standard instrument setup supplied for most projects.

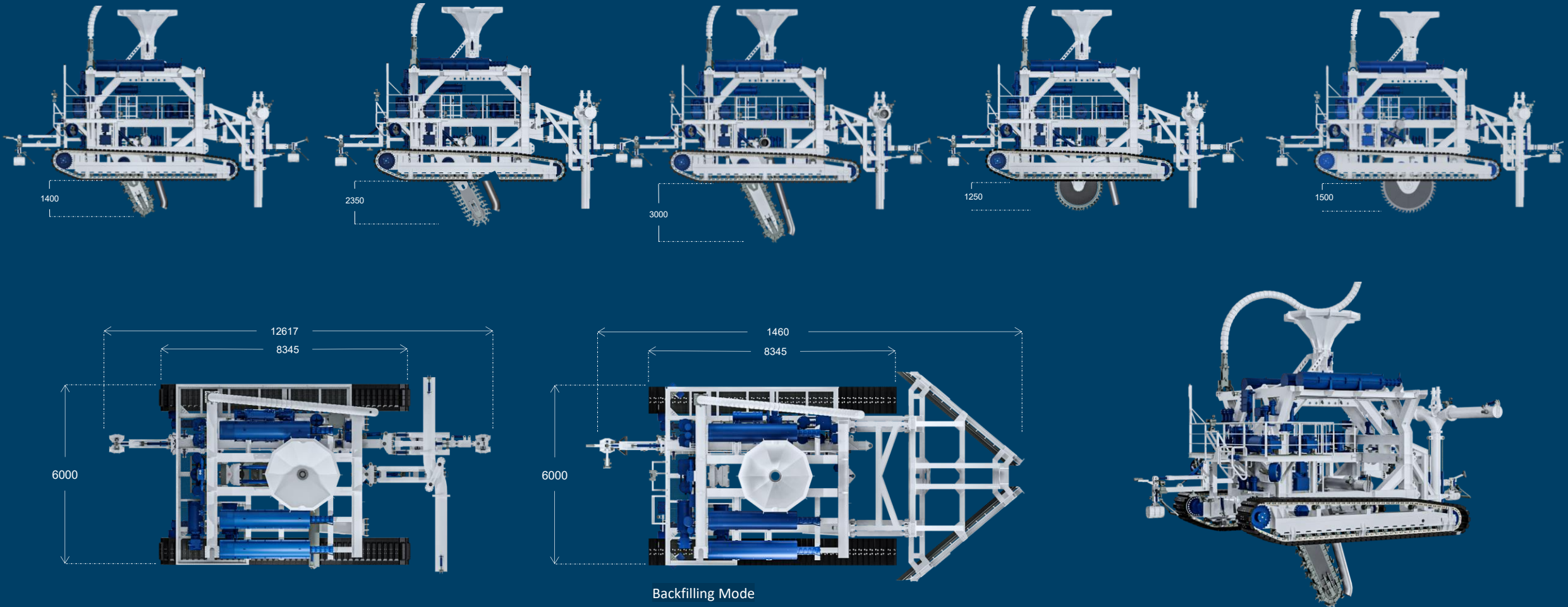
** Additional options and extended configurations available; instrument setup can be adjusted based on project requirements.

VEHICLE POWER

Max. Total Power	1.56MW (installed) +260kW (optional)
Trenching tool	2x260kW (installed power) +1x260kW (optional power)
HP water pumps	3x260 kW
Hydraulic system (thrusters, vehicle tracks and auxiliary hydraulic circuits)	1x260 kW

OTHER EQUIPMENT

Container spread	20ft Control container 3 x 20ft Workshops 2 x 20ft Spares
Supporting	Maintenance cutting tool trolley and platforms for safe access



Backfilling Mode

Membership - Accreditations



Disclaimer

The specification details are illustrative for marketing purposes only. Actual equipment may be different as a result of product improvement or other reasons. Specific interface and performance information should be reconfirmed at time of order placement. Specifications are subject to change without any prior notification.

Contact Information

📍 1 Alieftikis Str., Elefsis 19200, Greece

📞 Contact: T: (+30) 211.888.5100 E. central@assogroup.com

🌐 www.assogroup.com

