

AssoJet III Mk2

Jetting Vehicle



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Jetting ROV

The AssoJet III Mk2 is the newest of the ASSO's jetting ROVs. It is in-house designed & is currently under construction incorporating all the Group's experience and AssoJet III Mk1 proven performance.

ASSO is proud to provide an advanced Medium Voltage, frequency regulated power fields which, in collaboration with Siemens, allow for cutting edge full control and protection of the vehicle's MV motors/functions.

Variable operational modes available to the vehicle depending upon operational needs whether that requires intervention, survey, repair support. Multiple swords provide for the flexibility necessary to cater for a wide variety of underwater operations.



Specifications

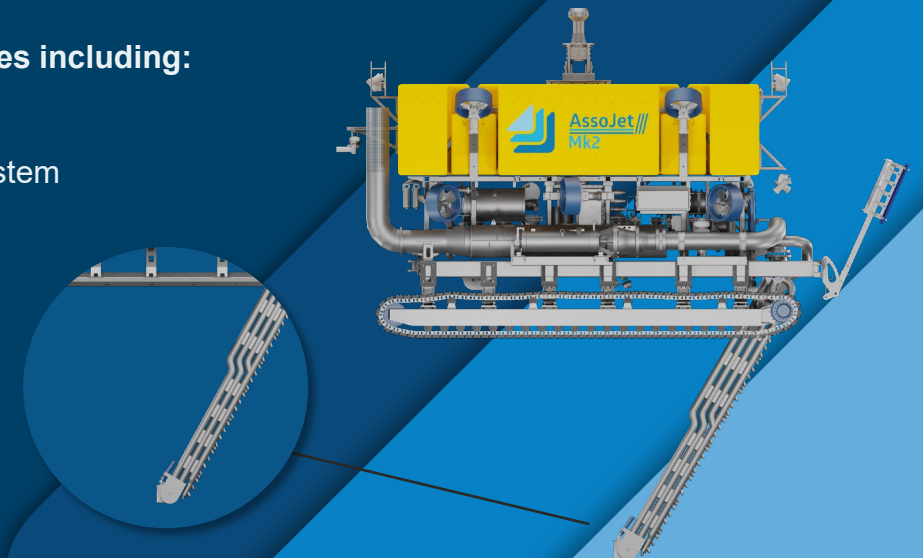
Max. Length	7.1 m
Max. Width	5.2 m
Max. Height	3.9 m
Max. Weight	35 Te
Max. Jetting Swords Trench Depth Capability from Seabed Level	3.2 m
Max. Depth of Backfilling Swords	1.0 m
Max. Soil Shear Strength	120 - 150 kPa
Max. Seafloor Gradient	±15 deg
Max. Operational Depth	1.500 m
Max. Product OD capability up to	560 mm 900 mm
Total Power	1.560 kW

Key Features

- 1.56 MW of total power
- 3.2 m jetting swords trench depth capability from seabed level
- 1.0 m backfilling swords for material collapsing & jet backfilling
- Single eductor mode for cleaning/ intervention operations
- **Wide variety of accessories including:**
 - Jetting swords
 - Independent eductor system
 - Backfilling swords
 - Depressor option
 - Skids & tracks mode
- In house design
- State of the art design
- High sea state capability

Performance

- 2 x 260 kW / 3.3 kV electric motors driving the two HP water pumps (700 m³/h @ 20 bar)
- 2 x 260 kW / 3.3 kV electric motors to drive the two LP water pumps (2400 m³/h @ 6 bar)
- 2 x 260 kW / 3.3 kV motor to drive the hydraulic pumps for the thrusters and the auxiliary hydraulic circuits



Propulsion System

- 6 x 480 mm Horizontal thrusters: 2.000 kg-F Forward, 1.700 kg-F Aft, 1.800 kg-F Lateral
- 4 x 480 mm Vertical Thrusters: 2.000 kg-F Lift up, 2.400 kg-F pull Down

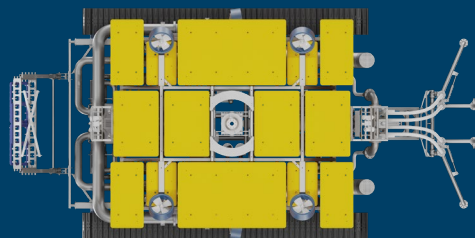
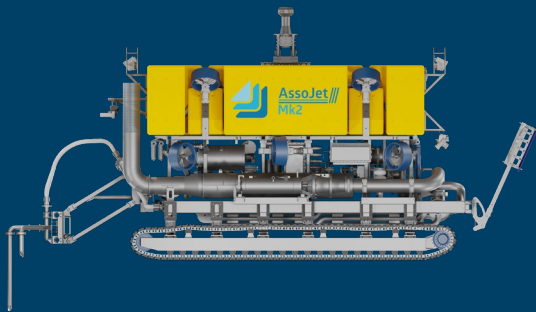


Sensor Equipment

- Up to 8 x low light cameras
- Up to 12 x LED high intensity fully dimmable lights
- Up to 4 x electric pan/tilt units
- Up to 4 x imaging or profiling sonar
- Up to 2 x Blueview 2D Multi-beam sonar
- 1 x Bathy sensor
- 1 x CDL TOGS/NAV FOG, Octans or Lodestar
- Cable Tracker TSS 350/440 available
- HCV 100 cable cutter available
- NORBIT dual head MBES available

Vehicle Features

- In house design thrusters for max efficiency
- In house design hydraulic system
- In house design of water pumps & distribution system
- In house design of electrical power - distribution
- In house design of cameras, lights & telemetry architecture
- In house design of control system
- Strategically removable buoyancy blocks for fast easy access
- Fully adjustable sword usage/configuration according to needs



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

Asso.subsea

Greece

69 Okeanidon & 38 Charilaou Trikoupi Str., Elefsina, 19200

Contact

T (Direct) : (+30) 211.888.5100 T (Main) : (+30) 211.888.5180

E. central@assogroup.com

www.assogroup.com