

ATLANTIC MARINE

SUB-ATLANTIC MOJAVE

OBSERVATION CLASS

ROV SYSTEM

TECHNICAL SPECIFICATION



Mojave is the most powerful observation ROV in its size. Its compact and ergonomic design and light weight construction allow for rapid set up and deployment using any domestic power supply. Including the world renowned **subCAN™** control and diagnostics system and proven thruster reliability, Mojave is a high quality ROV system.

- 300 m depth rating (1,000 m option)
- LED lighting as standard
- 5 x SPE-75 DC thrusters
- 80 – 260V domestic input
- Auto position option
- Excellent payload options available
- Graphic user interface (GUI) control
- 63 kg horizontal & 26 kg vertical thrust
- Choice of manipulators / tooling
- Auto heading & depth
- Simple maintenance & operation

Dimensions

Length	1000 mm
Width	600 mm
Height	500 mm
Depth Rating	300
Metres	
Weight in Air	85 kg
Payload Capacity	12 kg
Power	3.6 kW
Thrusters Horizontal mmØ	4 x SPE75
Thrusters Vertical mmØ	1 x SPE75
Bollard Pull (nominal)	
Forward	50 kgf
Lateral	50 kgf
Vertical	26 kgf
Surface Speed (nominal)	3.5 knots

Standard System Equipment

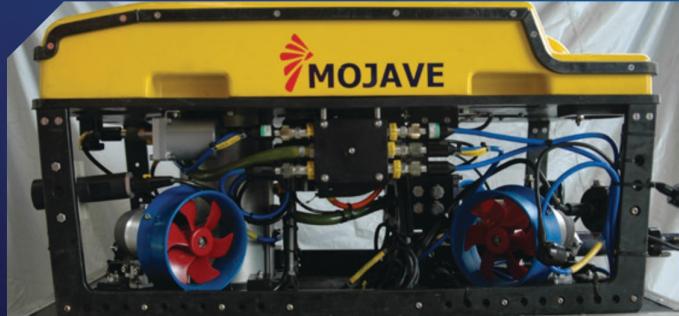
- Camera tilt unit with basic camera
- LED lighting
- Depth transducer
- Recovery lift point
- Additional equipment connector

Optional Equipment

- Second camera
- Sonar (various options)
- Altimeter
- CP probe
- 3 function electric manipulator
- Cleaning brush
- Acoustic transponder
- Recovery beacon & flasher
- Recovery bullet & lock latch

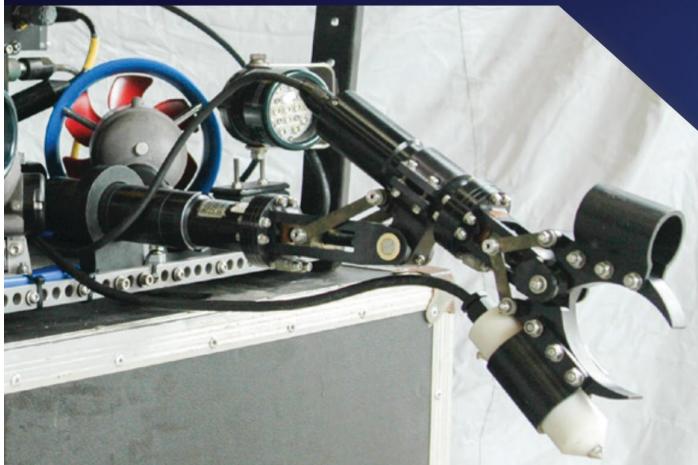
Auto-Positioning Features

- Controlled by **subCAN™** in conjunction with DVL & gyrocompass
- Hands off auto position
- Waypoint following to a predetermined route
- Return to location memory function





Mojave can be supplied with a complete range of specialist tooling / sensor skids for use offshore or inshore oil & gas, scientific, port security, military, civil engineering and numerous other applications.



Control System

- **subCAN™** PC based control system with power management, diagnostics & auto-position capability

Features

- Windows based software
- Graphical status & fault locator
- Real-time optical multiplexer, video condition & fault monitoring
- User preset positioning of camera tilt unit

Telemetry

- 2 x real-time PAL & NTSC video channels
- Spare customer digital & analogue I/O's dependent on requirements & equipment fitted.
- Ethernet / RS232 option

Additional System Options

- Electric winch
- Control cabin
- Graphics/vision / sonar monitors
- Video overlay / switching/recording
- Workskids (tooling, survey, etc.)
- Bespoke systems to customer requirements



Atlantic Marine &
Oilfield Services Ltd.

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