

# Sub Atlantic Mohican

## Observation Class ROV 2200 Meter Rated System



Our Mohican Inspection Class ROV system incorporates an enhanced propulsion system allowing it to continue working in high current conditions when other systems have to return to surface, providing a customer benefit of reduced vessel time and costs. The subCAN control system provides advanced diagnostics, precise vehicle control and reduced reactive maintenance.

### Features:

- Ultra-High Thrust Greater Than 100 kgf/220 lbf Both Axial and Lateral
- Six Brushless DC Thrusters with Sub-Atlantic's Statorshield™ Technology and Dynamic Vectoring
- 3000 Volt, 400 Hz Power System
- Long, Small Diameter, Low Drag Tether
- 35 kg / 77 lbs Standard Payload (Options)
- Auto-Functions
- Multiple Video Channels
- Deep Live Boat, Tunnel or TMS Operation
- Hydrolek 4F Manipulator
- Integral High Pressure Cleaning System Option
- Various Skid Options
- Cage Type TMS System

**IKM Subsea – A global provider of Independent ROV Services**

<b>ROV SPECIFICATION</b>	
Depth rating	2200 msw
Length/Width/Height	1.15m /0.77m / 0.8 m
Weight	340kg
Payload	35kg
Manipulators	Hydrolek MB4 - 4F
Thrusters	6 x SPE-180 Brushless DC Thrusters
Configuration	4 x Horizontal, 2x Vertical
Dynamic VectoringTM	This allows the thruster vector angle to be adjusted remotely to the optimum thrust setup to suit changing current direction. Vector angle is actuated using a 2nd camera tilt unit and is displayed on the video overlay.
Trust Power	110kg Forward, 110kg Lateral, 75kg Vertical
Surface Speed	3.5 Knot Forward
Turning Rate	180 Degrees per Second (approx)
Auxiliary Tool HPU / Valve Pack	DC Driven Motor Pump ( 180 Bar ) / 6 Station Mini Solenoid Valve Pack
Subsea Electrical interface	2 x RS 485, 4 x RS 232, 1x Ethernet (Optional) Power: 24V DC and 110V AC
Cameras	1 x Low Light Camera (pan & tilt) 1 x Colour & Zoom Camera (pan & tilt) 1x Colour camera (one rear, one centre for TMS docking)
Lights	4 x 250-Watt halogen lamps, dimmer controlled on 2 circuits.
<b>Sensors:</b>	
Depth	Depth Transducer – 200 Bar at 0.05%
Heading	Ocean Server Digital Compass (Accuracy 0.5°, Resolution 0.1°)
Pitch & Roll	Accuracy 1°
Sonar	Tritech Super Seaking
Altimeter	Tritech PA 500 (Resolution 1mm, 0.3m to 50m)
Auto functions	Auto Heading / Auto Depth / Auto Altitude
<b>TMS SPECIFICATION</b>	
Type /Length/Width/Height	Cage /1.59m /1.07m / 1.83 m
Weight	1500kg (including ROV)
Drum Capacity / Tether Length	500m capacity / 300m of 16.5mm diameter
Camera / Lights /Depth	1 x Color Camera / 2 x LED Lights / Depth Transducer - 200 Bar - 0.1% FSD
<b>LARS SPECIFICATION</b>	
Manufacturer / Type	Hydramec / Zone 2 Rated
Length/Width/Height	6.20m /2.50m / 3.30 m
Weight	22000kg
Rating /Design	SWL 4.5T at 3G
Umbilical	2200m of 25.5mm Diameter Umbilical

