



Mohawk

The MOHAWK is a fully electric compact ROV system which can be used for a variety of underwater tasks including observation, survey, NDT inspections and tooling. It is designed for a wide range of underwater tasks including: Diver monitoring and support, Inspection of structures, Payload item deployment, Maintenance and repair, Survey, Oceanography & Research, Retrieval of Ordnance, Light construction support, Well work-over support.

System configuration

- Observation
- Inspection
- TMS
- LARS



Mohawk

The fully electric MOHAWK remotely operated vehicle is a small compact, high performance professional ROV system which can be used for a variety of underwater tasks including observation, survey, NDT inspections and tooling.

This small, professional inspection ROV delivers exceptionally high thrust in all directions.

The MOHAWK provides high quality video for inspection work but also has the capabilities for running underslung tool packages such as tree valve torque tools, high pressure water jetting pumps and small hydraulic or electric manipulators.

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Vehicle specifications

Length	930 mm
Width	770 mm
Height	620 mm
Launch weight	165 kg
Max speed	3 knots
Payload	35 kg
Forward thrust	80 kgf
Reverse thrust	68 kgf
Lateral thrust	60 kgf
Vertical thrust	30 kgf
Max depth rating	1000m

TMS Tether Management System

Type	Side entry garage with winch and level wind mechanism
Drive System	550W eMotor
Tether capacity	250 m
Line pull	60 kg adjustable
Weight in air	500 kg
Weight in water	400 kg
Length	1500 mm
Height	1500 mm
Width	1025 mm

LARS specifications

Limitations	Seastate 5-6
Safe working load	2000 Kg
Line Speed	35 m/mn
Length	4877 mm
Height	5340 mm
Width	2438 mm
Weight	11000 kg

Automatic functions

Auto-Heading +/-	5%
Auto-Depth +/-	5%
Auto-Altitude +/-	5%

Service team

Typical ROV team based on 12 hours/day operations
 > 2x Pilot / Technicians
 > 1x Supervisor

Technical specifications

1x Integral CCD Color Camera
 3x Variable intensity 250/500W
 Tritech Seaking Sonar
 5x CTE01 Thrusters
 4x Single propeller vectored
 1x Twin propeller vertical

Power requirements

The system requires :	
440 VAC 3 ph 50/60 Hz	
ROV	8 KVA
Control Container	5 KVA
LARS	38 KVA
Total	51 KVA
Generator (min size)	100 KVA
Supply Breaker	80 A

Manipulator

Length	630 mm
Height	125 mm
Width	100 mm
Weight in air	12.5 kg
Weight in water	10 kg
Movement	45° (Up&Down) 90° (in from straight out)
Jaw Torque @140bars	40 Nm
Arm Lift @140bars4	0 kg



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