

MultiROV

“Flexible, Adaptable and Configurable”

The MultiROV has been designed to offer the operator a flexible solution to subsea remote operations and can be configured to meet changing and demanding operational requirements.

MultiROV configurations:

- ROV Mode:
 - 300HP (Dual HPU) deep water Work Class ROV with TMS
 - Free flying ROV with ultra-high thrust for high current operations
- AuxROV Mode;
 - 300Hp Power Pack for Boulder Clearance / Subsea Power Pack for Flushing / Pigging
 - Mass Flow Excavator operations
- TrackROV Mode:
 - A tracked skid for cable burial surveys, dredging and seabed mapping



The MultiROV design focus has been to make the vehicle simple to operate with an advanced control system and 4k video wall display together with class leading performance, reliability and ease of maintenance.

The MultiROV is fully compatible with all ROVQUIP Tooling including the API53 compliant BOP Skid.



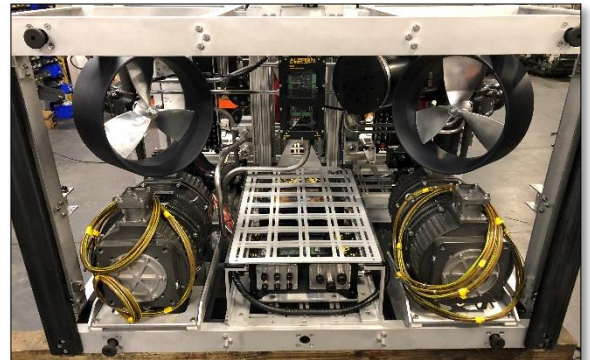
MultiROV Basic Specifications

Power:	300Hp
Through Frame Lift:	30,000kg
Dimensions:	Length: 3,000mm Width: 1,900mm Height: 2,100mm
Weight in Air:	4,500kg (Variable on spec)
Payload:	250-300Kg (Variable on spec)



Hydraulics and Tooling

HPU 1:	150Hp
Pump :	Kawasaki 140cc pump
HPU 2:	150Hp
Pump :	Kawasaki 140cc pump
Total Flow:	490 Lpm @ 250Bar
Manifolds:	2 x 10Stn. Proportional NG3
Manipulators:	Schilling T4 (7P) Atlas (7R & 7P) Rigmaster



Performance

Standard configuration (7 Thrusters)

Thrust figures:	1,145kgf Lateral 1,174kgf Vertical
Speed:	Fwd speed: >3.5 Knots Lateral speed: >2.5 Knots Vertical speed: 3 Knots

Enhanced configuration (11 Thrusters)

Thrust figures:	2,290kgf Lateral 1,174kgf Vertical
	Fwd speed: >5 Knots Lateral speed: 4 Knots Vertical speed: 3 Knots





Auto Functions:

Auto depth
Auto Altitude
Auto Heading
Dynamic Positioning
Cruise control

Control System

Gladiator 2 Control System
Aleron proprietary fibre optic multiplexer

Video and Lighting:

2 x 4k UHD Video channels
8 x SD Video channels
IP Streaming video (H.264)
24V LED & 120VAC LED Flood

Survey/Data channels:

8 x 10/100/1000Base Ethernet
2 x 1000Base Ethernet
Multiple RS232/485 Serial channels

Power:

24/48VDC: 1,600Watts
120VAC: 3,600Watts

Operator Interface:

Dual 24" Touchscreens
Ergonomic Operator Console and Chairs
7 x 40" Video Wall Display

Additional Options

Remote Diagnostics & Status

System status (Operational, Standby etc)
Allows remote viewing and diagnostic analysis in real time.
System health & Trend monitoring.

Integrated Navigation suite

Displays multiple Vessel & ROV positions with seabed data.
Allows 'Click' n Go' navigation, Waypoint Manoeuvring & Offset Manoeuvring.
Calculate and Display Ranges & Bearings.

Remote Piloting

Vehicle control from a remote station

T4 Manipulator Controller

Uses OLIS Master Controller for advanced manipulator control remote and resident



“Transforming ROV Technology”



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