



UNDERWATER SOLUTIONS WORLDWIDE

Remora

Remotely Operated Vehicle (ROV)

Phoenix International's Remora is a 40 Hp electro-hydraulic, dual manipulator ROV system with through frame lift/load release, capable of working to depths of 6,000 meters (20,000 ft). It was designed and built in-house, with our experienced ROV personnel being heavily involved, to ensure that the final design met the hazardous requirements of operating in extreme water depths while maximizing the reliability of the system.

Phoenix ROV systems support a variety of internal and customer missions including:

- Inspection, Maintenance, and Repair of Offshore Infrastructure
- Mooring and Buoyancy Installation
- Oil Rig Movement and Drilling Operations
- Accident and Forensic Investigations
- Recovery Operations
- Route & As-built Surveys
- Photographic & Video Documentation
- Biological & Oceanographic Sampling
- Subsea Cable Installation & Maintenance
- Wind Farm Services
 - Platform & Cable Installation
 - Subsea Installation Monitoring
 - Seabed Survey
 - Foundation Repairs

Contact us to learn more

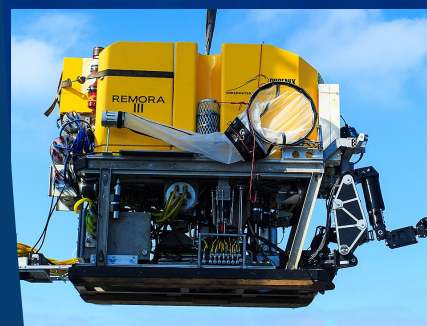
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General

Weight in Air	2,000 kgs dry
Weight in Water	Neutral
Dimensions	Length: 1.8 m
	Width: 1.2 m
	Height: 2.2 m
Maximum Operating Depth	6,000 m

Vehicle Description

Propulsion	40 Hp electro-hydraulic
Thrusters	2 x Axial
	2 x Lateral
	4 x Vertical
Fiber-Optic Multiplexer	1 x SeaView SVS-900

Manipulators	2 x Schilling Orion 7R, 7-function, rate controlled
Cameras	1 x DSPL Multi-SeaCam, down/forward looking
	1 x Simrad 1324 ultra low light SIT camera, forward looking
	1 x SubC Imaging Rayfin Mk2 UHDF with Liquid Optics 4K internal recording with remote zoom and focus on the P/T
Lighting	4 x Cathx Apos dimmable LED lights
Sensors	1 x Altitude Heading Reference System (AHRS)
	1 x Simrad altimeter (30 m or 150 m)
	1 x Paroscientific Digiquartz series 8000 (7,000 m rated) depth sensor
	1 x Simrad 470 scanning sonar (330 kHz or 675 kHz)
	1 x Sondardyne Ranger II USBL w/WMT6 beacon
	Options
	1 x 3.5-47 kHz pinger locator
	2 x RS-232 serial channels
	1 x RS-485 serial channels
	4 x analog input
	1 x single mode FO

Remora Ancillary Equipment

- Dynacon winch & A-frame system
- 6,000 m Rochester fiber-optic umbilical
 - 3 x single mode optical fibers
 - 3 x power conductors