The small vehicle with real work capabilities

The Cougar-XT is a highly flexible, small, yet extremely powerful vehicle depth rated to 2000m. Six 500 Volts DC thrusters provide precise handling and control in strong current environments.

Designed to accommodate heavy duty tooling via a system of quick-change tool skids, the Cougar-XT is ideal for survey work, IRM, drill support, light construction projects and salvage support operations.

The surface equipment for the Cougar-XT can be provided as free-standing units or integrated into a control cabin.

Outstanding Performance

Six thrusters and large payload provide a stable platform for working in strong currents or deep water.

Flexible

A variety of tooling options can deliver results for any survey, IRM, or salvage project.

Industry Proven

Designed for work in extreme environments, the Cougar XT is a powerful vehicle recognised for its capability as a compact work ROV.

System Overview

- Surface Power Supply Unit and Surface Control Unit supplied as free standing units or fitted inside an air conditioned control container. An additional tooling power supply option is available.
- Surface Equipment includes Hand Control Unit, keyboard and two colour monitors. An additional hand control unit is available for systems fitted with a manipulator skid.
- Cabin Junction Box for connections between the surface and subsea. Includes Fibre Optic MUX console with two live video, four serial and one Ethernet connection used for data and video transmission. Additional MUX options are available.
- Operated as a free swimming ROV or in conjunction with a Type 8 Tether Management System (TMS) for depths up to 2000 m.
- ROV rated to 2000 m fitted with four horizontal thrusters and two vertical thrusters supplied with 500 Volts DC, electronics pod, four LED lights, up to four high resolution cameras, a compass and a depth sensor for vehicle auto heading and auto depth. Auto altitude is available as an option when an altimeter is fitted.

Technical Specifications

Specifications	Cougar XT
System Power Requirements	3-phase, 380-480 VAC at 50/60Hz
Depth Rating	2000m
Length	1515 mm
Height	790 mm
Width	1000 mm
Launch Weight	Approximately 409 kg
Forward Speed	3.2 knots
Thrust Forward	170 kgf
Thrust Lateral	120 kgf
Thrust Vertical	110 kgf
Payload	80 kg

Options, Tools and Accessories

High resolution colour or monochrome cameras fitted to vehicle and on optional TMS.

High Definition (HD) cameras for vehicle.

Altimeter used to measure the altitude of the vehicle above the sea floor. Auto Altitude option available.

Bathymetric system with depth sensor and altimeter fitted.

Scanning Sonar options with an integration kit and surface equipment.

Multibeam Sonar options with an integration kit and surface equipment.

Additional three phase power supply unit used to power tooling options.

Dual five-function heavy duty manipulator system.

Compact Cutter capable of cutting 38 mm diameter steel wire rope. Includes an intensifier.

Rotary Cutter used for cutting through hoses and cables up to 4 inches thick.

Holmatro Cutter with jaws opening to 144mm. Requires deep wall tooling skid, additional buoyancy, a tooling PSU and a 4kW HPU.

Cleaning brush incorporating a heavy duty brush and SM7 thruster motor fitted.

Water Jet System using a high power water pump.

Pipeline inspection wheeled skid with camera boom arm options.

Flooded Member Detector (FMD) skid for mounting an FMD tool. The skid is fixed below the vehicle and is used for subsea inspections.

Cathode Potential Probe with either contact or proximity probe options available.

Ultrasonic thickness system available to determine the level of corrosion present in a structure.

Laser options for video survey.

Battery-operated Xenon emergency strobe used to locate the ROV.

Acoustic tracking system to calculate the position of vehicle fitted with an acoustic beacon.

Control cabin options include video recording units, video matrix switcher, communications systems, and high-back pilot seat.

Deployment Systems and Control Cabins

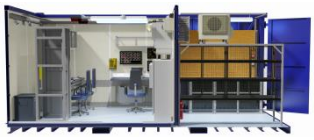
Electric Winch with variable speed and directional control for free swimming configuration.

Running Lock Latch system used for launch and recovery to reduce the strain on the umbilical. Includes a latch release line to free the ROV from the lock latch.

Tether Management System (TMS) Type 8 allowing for the deployment of the vehicle at working depth and also providing protection.

A-Frame Safe Area Launch and Recovery System (LARS) with Lock Latch or Snubber options. A Zone II upgrade option is available.

Safe Area Control Cabin (16 ft) fitted with electric power distribution panels, lighting, air conditioning, and 19 inch racks. A Zone II upgrade option is available.



Safe Area 20ft split Control Cabin with a Pilot Control section and a separate high voltage PSU section. Fitted with electric power distribution panels, lighting, air conditioning, heating and 19 inch racks. An optional installed escape hatch is available as is a Zone II upgrade.

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