



ROVTECH SOLUTIONS LTD

N17 Compact ROV

The Rovtech Solutions N17 Compact ROV is built on the proven technology of the Seaker ROV which have been working in the UK nuclear decommissioning sector for many years and is responsible for the retrieval of and categorisation of 80+ tonnes of legacy spent fuel.

The N17 Compact ROV now features Tecnadyne Magnetically Coupled Thrusters which can give up to 17kg of thrust. The thrusters have a quoted 20,000 hours MTBF (Mean Time Between Failures) and are used widely in the offshore industry.

The stainless-steel frame and fixings were incorporated to minimise the effects of radiation uptake and can be washed down for maintenance and are corrosion resistant. The onboard HD Camera is housed in a clear housing which can deliver 140 degrees of tilt. The system is also delivered with two standard definition cameras for viewing any tooling options.



With electronics onboard, the N17 Compact utilises a 'Canary' Processor which sits at the workface and alerts the main processor of any irregularities caused through radiation exposure enabling the Operators to retrieve the vehicle under control before any catastrophic failure may occur.

The system is also delivered with two Ultra LED Lights, both capable of 5600 lumens.

All polymers are selected for use with high gamma radiation including the buoyancy module which is coated with a flat profile PU coating.

A 15mm diameter low drag tether can be delivered with neutral or floating option.

The PT16X tooling interface is designed for easy integration of tooling and gives full access to a range of options.

PT16X Tooling Interface

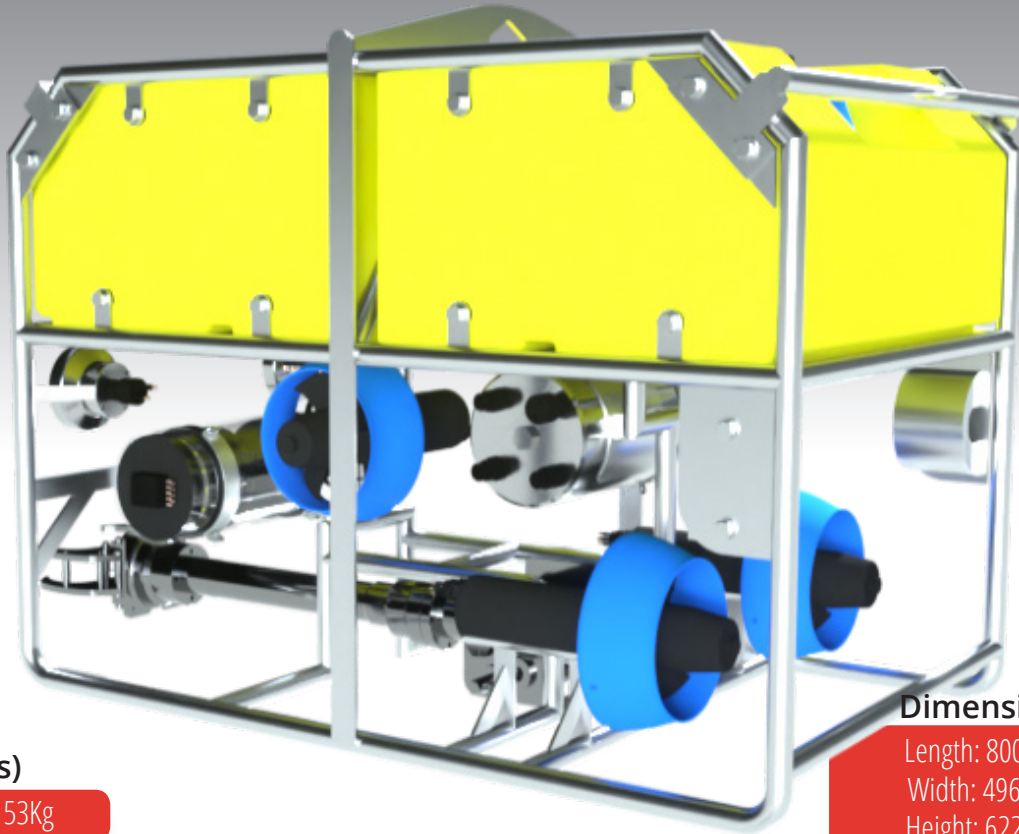
Allows for the range of RSL Carbon Fibre Extension Poles to be used in conjunction with the tooling creating further protection from the harmful

Tooling Options:

Gripstick
Rotating Brush
Water Sampler
Tilt with Extra Camera/Light
UT Probe



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Weight(s)

Weight (in Air): 53Kg

Dimensions

Length: 800 mm
Width: 496 mm
Height: 622 mm

Designed to work in High Radition Fields and Radiologically Contaminated Water

Tungsten Shielded Processor Housing

Low Drag 15mm Tether with 100m Supplied on Drum

2 x SD Cameras

High Reliability Magnetic Coupled Thrusters (20,000 Hrs MTBF)

Single Phase 220 Vac Operation

Flat Profile PU Coated Buoyancy Module for Ease of Decontamination

Portable Transit Case Control System with HD Recorder

HD Camera with Simple Tool Free Module Exchange

Depth, Heading, Pitch and Roll Sensors

RSL Tooling Interface

Proven Operational Technology

Processor Radiation Warning (Canary Chip)

Gripstick Module (Optional) Other tooling on request