

The Falcon is the world's most successful underwater electric robotic system of its class. Powered by a single-phase 110/230 VAC supply, Falcon is lightweight and portable for easy deployment, and comes rated to a depth of 300m or 1000m for the DR version.

Five powerful thrusters provide precise control and maintain a stable platform in strong currents and turbulent waters. An open frame construction and distributed intelligence enable easy attachment of a range of sophisticated sensors, sonars, tooling and accessories.

Using touchscreen and joystick technology, the user-friendly configuration is combined with the advanced iCON intelligent control software to provide improved vehicle control and diagnostic data as well as the ability to customise the pilot display and enable features such as station keeping.



SPECIAL FEATURES	
Tilting Lights	
Multibeam Sonars	Range of multibeam imaging sonars can be fitted.
Thrusters	Four vectored and one vertical high efficiency thrusters with magnetically coupled propellers for low maintenance and integral drive for precise vehicle control.
Chassis	Open frame design is extremely robust and lightweight while providing free water flow and a large volume for fitting further equipment.
Tooling Skids	Task specific underslung skids available to carry manipulators, cutters, custom tooling, survey and environmental sensors. Tooling and sensors are fully integrated into vehicle telemetry system.

SPECIFICATIONS	
Depth Rating:	1000 msw
Length:	1055 mm
Height:	555 mm
Width:	600 mm
Weight in air:	100 kg
Payload:	15 kg
Forward Thrust:	50 kgf
Lateral Thrust:	28 kgf
Vertical Thrust:	13 kgf
Speed:	>3knots
Thruster Type:	S1-MCT01
Horizontal Thrusters:	4
Vertical Thrusters:	1
Video Channels:	2
Video Transmission:	FO
LED Lights (standard quality)	2
Typical Manipulator Function:	1f or 5f
Power Input Phases:	Single
Voltage:	110/230
Frequency:	50/60 Hz
Auto-Depth:	Yes
Auto-Heading:	Yes
Tilt Platform:	Yes
iCON:	Yes