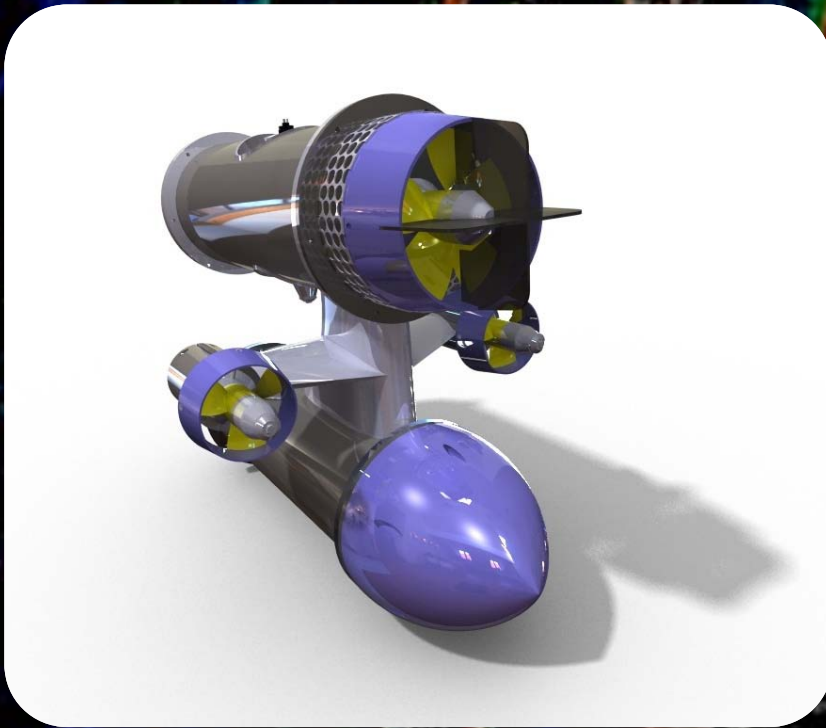


RMI-ROV "SHRIMP"



First developed in 2006, RMI-ROV "SHRIMP" is designed to operate to a depth of 300 m below the sea with 4 HP power rating. This ROV is specially designed to carry a detachable payload hull.

This detachable payload main hull may be filled by optional side scan sonar and sub bottom profiler for surveying and mapping the contours of the sea.

The main features developed in this ROV is a composite hull using 6061 T6 Aluminum Alloy using Carbon Fiber-Reinforced Epoxy hull resulting in a strong and lightweight. Advanced propulsion systems using a magnetic coupling which proved reliable and extended maintenance intervals is used in this mini-class observation ROV.



SYSTEM SPECIFICATION

Dimension	: - Length :760 mm - Width :600 mm - Height :610 mm
Weight in Air	: 30 kg
Operating Depth	:300 m
Speed	: 3 Knots
Power	: 24 Volt Lithium Polymer Battery
Surface Station System	: - High Brightness LCD Display - DSP microcontroller based autopilot - Leak indicator - Ground Fault Detection - Joystick :3 axis with 2 push button - Customized Video Overlay - Video Recording
Communication	: - RS 485
Sensor	: Orientation : - 1 axis Magnetometer - 1 axis Gyro Depth: 1 pcs 150 bar Pressure Sensor Leakage: 6 position TFCLD (Thin Film Contact Leak Detector)
Camera Thruster	: Tilted High Definition Camera : - 1 unit 1 HP for vertical thrust - 2 unit 1 HP for side vector thrust
Payload	: Up to 20 kgf payload package can be attached Optional: - Side scan sonar - Sub bottom profiler - Additional sensor package
Lighting	: 2 pcs @50 Watt Halogen lamp
Cabling	: Neutrally Bouyant Underwater Cable

