

Maxximum®

270 hp heavy work class ROV

The Maxximum® ROV is a side entry cage deployed, dual manipulator 270 hp heavy work class ROV. The cage or tether management system (TMS) supplies an additional 110 hp, powers skids, and has thruster control and auto heading. The system employs a microprocessor-based telemetry system to minimize maintenance, decrease setup time, simplify troubleshooting, and provide automated control functions. Tooling control is accomplished with external-to-main telemetry and maintains both flight and tooling control with maximum flexibility and efficiency.



FEATURES

Fly-by-wire station keeping system

Tooling controlled and configured from surface

HD and 3D HD cameras

Technical Data

Vehicle Weights/Dimensions/Depth	
Weight in air	10,700 lb / 4,800 kg
Dimensions LxWxH	10 x 6 x 7 ft / 3 x 1.8 x 2.1 m
Depth rating	10,000 ft / 3,000 m (standard) 13,000 ft / 4,000 m (optional)

Vehicle Power/Performance	
Hydraulic power units	2 x 135 hp (E)
Propulsion	4 x vectored horizontal 4 X vertical
Thrust	
Fwd/Rev:	2,200 lb / 1,000 kg
Lateral:	2,100 lb / 950 kg
Vertical:	2,900 lb / 1,300 kg

Vehicle Manipulators/Tooling	
Manipulators (2)	5 or 7 function; rate, SC or hybrid control
Hydraulic tool control	Multiple directional control valves with proportional pressure and flow control Maximum 40 gal/min

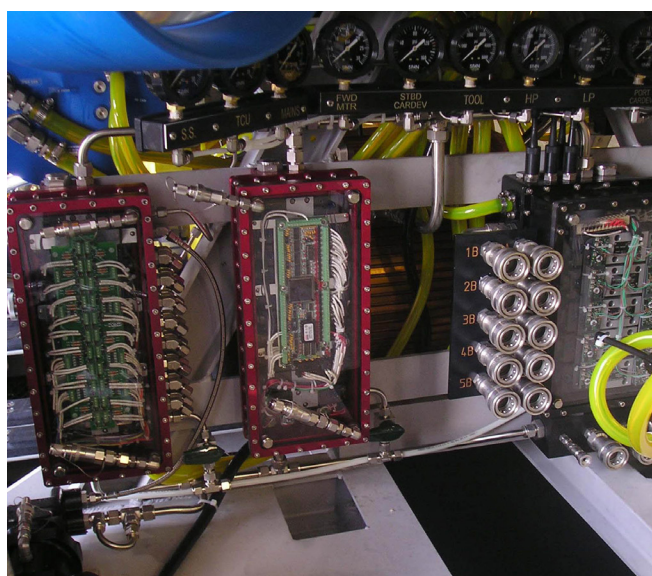
Vehicle Cameras/Lighting	
Cameras	Standard definition (SD) High definition (HD) 3D HD (optional)
Lighting	up to 8 x 250 W (Quartz Halogen or high intensity LED)

Vehicle Control/Navigation	
Automatic control	Fly-by-wire station keeping system Auto heading/depth/altitude/pitch Cruise control
Heading and altitude sensors	Survey-grade gyro backup flux gate compass
Depth sensor	High-resolution digiquartz Backup analog depth sensor
Navigation sensor	Doppler velocity log
Obstacle avoidance sonar	Kongsberg 1071 or 1171 Tritech Sea King

Vehicle Optional Power/Data Interfaces	
Data links	Multiple RS232 and RS485 Ethernet Optical Fiber
Power	24 V DC and 110 V AC

Tether Management System (TMS)	
Type	Side entry cage
Propulsion	2 x horizontal
Hydraulic power unit	1 x 110 hp(E)
Electro-optical tether	2,000 ft / 600 m
Cameras	2 x CCD
Lighting	2 x 250 W (quartz halogen, or high-intensity LED)

Launch and Recovery Systems (LARS) (choice of)	
Overboarding	
A-frame w/ or w/o docking head	
Heavy-weather overboarding system	
Cursor	
Winch	
Heavy lift winch with conventional or OHRA level wind	



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