



THE UHD™

A Next-Generation Ultraheavy-Duty ROV

Schilling Robotics adds ultraheavy-duty work-class capabilities to its ROV product line with the UHD™ ROV, combining Remote Systems Engine™ technology with up to 200 hp of hydraulic power.

- 150-hp power pack standard, 100 and 200 hp optional
- Automatic control modes, including heading (semi/full), depth, altitude, attitude, and StationKeep™
- AutoTrack™ utility allows survey coordinates to control vehicle movement
- Digital Telemetry System™ features a Gigabit Ethernet backbone and accommodates serial, video, and Ethernet communications
- High-definition (HDTV) video capability, standard
- Intelligent power management system
- Dedicated propulsion and tooling hydraulic circuits
- Unparalleled stability for survey operations



The UHD delivers the performance and maximum hydraulic power required in an ultraheavy-duty work-class ROV. The rugged and powerful 150-hp system (standard) is designed to accommodate the growing market for ultraheavy tasks such as suction pile installation, flying lead installation, and other applications that benefit from redirecting power from propulsion to tooling operations.

SYSTEM SPECIFICATIONS

Overall

Depth rating
 Standard 4,000 msw (13,124 fsw)
 Optional 6,000 msw (19,686 fsw)
 Weight in air 4,850 kg (10,694 lb)
 (with lead trim and standard equipment)
 Dimensions:
 Length 3.00 m (9.8 ft)
 Width 1.85 m (6.1 ft)
 Height 1.52 m (5.0 ft)
 Through-frame lift. 3,500 kg (7,718 lb)
 (in addition to vehicle weight)
 Payload capacity in seawater, minimum, std 250 kg (551 lb)
 (with standard accessories and manipulators installed)

Performance

Power options:
 Standard 110 kW (150 hp)
 Optional 75 kW (100 hp)
 Optional 150 kW (200 hp)
 Bollard pull (150 hp)
 Forward 1,110 kgf (2,447 lbf)
 Lateral 1,080 kgf (2,380 lbf)
 Vertical, up 1,050 kgf (2,315 lbf)
 Vertical, down 1,150 kgf (2,535 lbf)
 Thrusters (horizontal) 4 x Sub Atlantic SA420
 Thrusters (vertical) 3 x Sub Atlantic SA420
 Automatic control modes:
 Heading (semi/full), depth, altitude, attitude, StationKeep™,
 AutoTrack™
 Flight control modes:
 Cruise, trim, pitch, controlled displacement

Tooling

Isolated HPU:
 Standard 20 hp at 207 bar (3000 psi)
 Optional 75 hp at 207 bar (3000 psi)

7-function manipulator:

Standard TITAN 4
 Optional CONAN 7P or ORION 7P
 5-function grabber RIGMASTER
 Spare hydraulic functions 11 standard
 Optional hydraulic functions. Customer-specified

Sensor/Telemetry

HDTV support Standard
 FOG Standard
 Doppler velocity log (for dynamic positioning) Standard
 Instrument power (DC) 3 kW total
 (12 x dimmable 26 VDC circuits)

System

Main umbilical, standard Armored
 Control container:
 Standard 8 x 20 ft (2.4 x 6.1 m)
 Optional DNV/Zone-II
 Operator interface, dual touchscreen controls:
 Standard 3 x 24-inch HD-capable LCD displays
 Optional Additional 3 x HD video monitors
 Handling system Dynacon or ODIM, standard



SO DEEP, NO ONE COMES REMOTELY CLOSE

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