



Schilling HD

Advanced work
class system

HD 90 and HD 91

The Schilling HD ROV system is one of the world's most advanced work class ROV system built to withstand challenging and harsh environments. With its exceptional capabilities, it can execute various subsea tasks, including construction support, inspection, and survey operations.

The ROV's agility and versatility enable it to maneuver accurately, making it suitable for navigating complex subsea structures. The system's flexibility allows it to integrate a wide setup of sensors, tools, and equipment.

High Integrity Hydraulic System

The hydraulic system has been redesigned, with focus on improving its reliability and Safety while reducing environmental impact.

- Powerful, compact 150-hp HPU with 54-hp aux. output.
- Extensive onboard tooling installation space.
- Stationkeep with independent thruster control.
- 60-min modular maintenance.
- High-integrity hydraulic system, including all-stainless tubing.
- Electric 5 HP TOP Hat (TMS) with 850m tether.

Overall, the Schilling HD ROV system represents a significant advancement in underwater robotics technologies, offering improved capabilities and efficiencies for a range of underwater operations.

Specifications

HD 90

Depth Rating	4000 m
Payload	250 kg
Dimension	2,9 m x 1,7m x 1,9 m
Main HPU Specs	150 HP
AUX	54 HP
Valves	(14) 8 LPM (2) 32 LPM (1) 160 LPM
Thrusters	7 x Sub Atlantic SA 380
Forward/aft/lateral	900 kgf
Vertical – Up/Down	850 kgf
Manipulators	Titan T4 with camera and Rigmaster

Sensors

Camera	HD Color Zoom Camera – Schilling Robotics 5 km SD Color Zoom camera
Navigation	IXBLUE Octans Nano
DVL	DVL 600 khz Syrinx (sonardyne) Auto-depth/altitude, Auto heading, station keeping.
Sonar	Sonar, Gemini 720 is Multibeam Imaging (Tritech)

HD 91

Depth Rating	3000 m
Payload	250 kg
Dimension	2,9 m x 1,7 m x 1,9 m
Main HPU Specs	150 HP
AUX	54 HP
Valve	(14) 8 LPM (2) 32 LPM (1) 160 LPM
Thrusters	7 x Sub Atlantic SA 380
Forward/aft/lateral	900 kgf
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