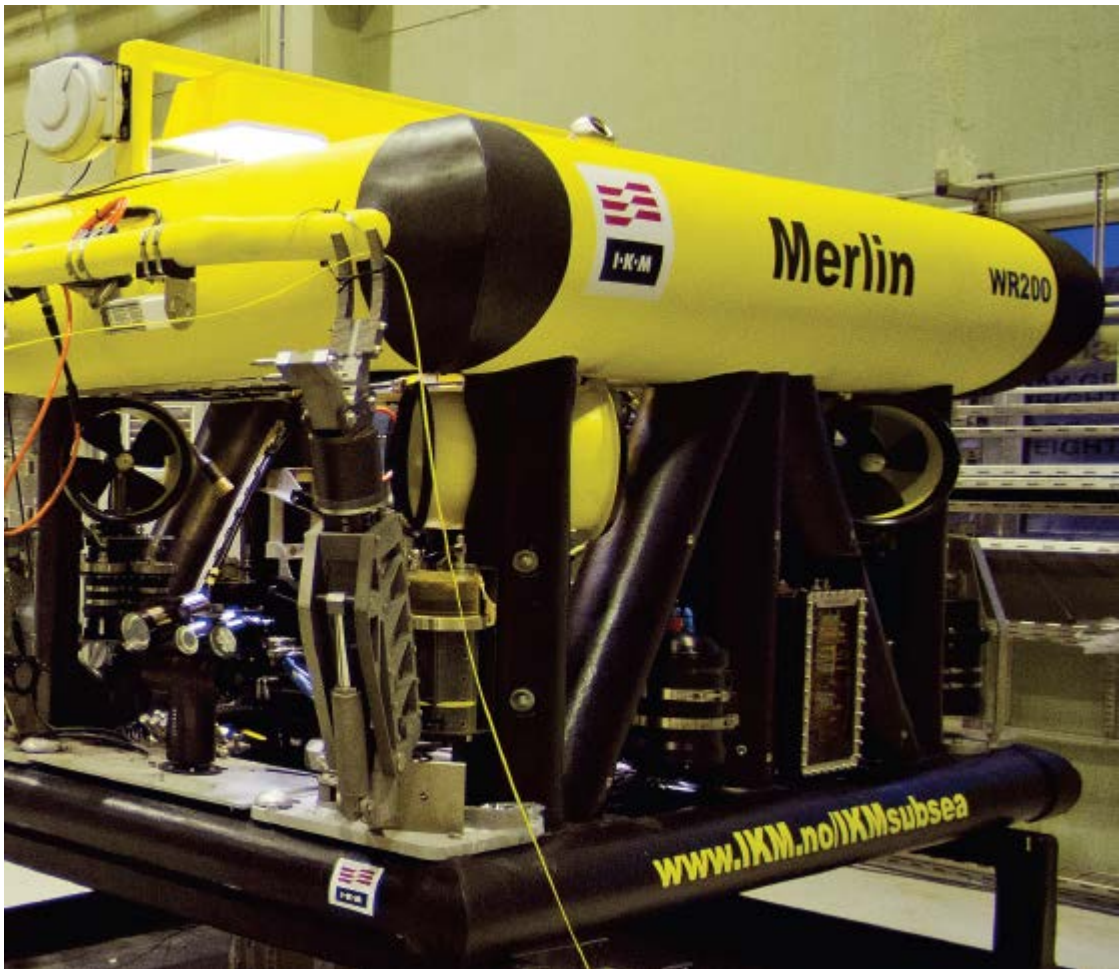


MERLIN WR200

Electrical Work Class ROV 200 HP





Nexans typical use of ROV

Cable lay touchdown monitoring (TDM), survey of cables :
 As laid and as trenched, route clearance, cable jointing operations
 (subsea cutting of cables, light deburial, intervention),
 visual inspection and pull in monitoring.

Typical project dependant sensors :

Seabed mapping utilising multibeam echosounder R2sonic 2024.
 Cable tracking utilising TSS 350 and TSS 440.
 Visual inspection and monitoring by cameras (optional HD).
 Inspection and monitoring in poor visibility by imaging sonar.

Typical project dependant intervention equipment :

De burial dredgers.
 Cutting equipment (circular and band saws, guillotine cutters).
 Water jet (for cleaning surfaces).

ROV Specifications

Depth rating :	3000 msw	Pulling force:	8kN forward/Aft./lateral, 11kN vertical
Dimensions :	2,8 x 1,8 x 1,7 m (L x W x H)	Auxiliary tool HPU:	1 of 18-30kW electrical hydraulic power pack 49-80l/min adjustable up to 315 bar
Weight :	2800 kg	Auxiliary ROV HPU:	1 of 8-18kW electrical hydraulic power pack 20-49 l/min adjustable up to 315 bar
Thrusters :	8 of electrical 12 Dual Counter Rotating Propellers	Valve pack 1:	8 of proportional NG 3 valves
Configuration :	4 of horizontal, 4 of vertical	Valve pack tool:	8 of proportional NG 3 valves & 1 of Ng 10
TMS :	Tekmar Tophol with 200m tether	Subsea electrical interface:	Communication : RS 232, RS 422, RS 485 Ethernet, fiber (HD). Power 24V, 110V,3000V
Cameras :	1 of Low Light Camera (pan & tilt) 1 of Color & Zoom Camera (pan & tilt) 2 fixed color cameras (on front bar) 1 of fixed color camera (aft) 1 of color camera (latch) Total number of camera slots : 6 (prepared for add. pan & tilt)	Light:	4 of Q-LED, 3 of MW-LED
Sensors :	Digiquartz & altimeter	Tooling:	1 x 38mm wire cutter, 2 x ROV hook 30t, 2 x ROV hook 20t, 2 x ROV shackle, 2 x soft rope cutter and 7,5 grinder
Depth	CD/L TOGS	Topside spread:	20`Control container 20`Work shop container 20`Trafo container LARS with winch & HPU Generator (optional)
Heading	+/- 20 degrees		
Pitch & roll	Tritec Super Seaking		
Sonar	Auto Heading, depth & altitude		
Auto functions			
Manipulators :	Schilling Titan 4 Schilling Rig master		

001 - 2017