

# CS-150

## Technical Specification

The Modus CS-150 fleet are SMD built, Quantum 150HP work class ROVs designed for precision subsea intervention and heavy-duty application. Rated to 3000m water depth, the CS-150 ROVs offer the leading edge in construction support technology.

### VEHICLE

Configuration	TMS Control/Interface c/w 400m tether
Total Power	150HP
Operating Depth	3000MSW

### DIMENSIONS

Length	3200mm (126in)
Width	1800mm (70.9in)
Height	1800mm (70.9in)
Weight in Air (base system)	3500kg (7716 lbs)
Payload (base system)	250kg (551 lbs)
Through frame lift	3000kg (6614 lbs)

### PROPULSION

Propulsion System	4x Curvetech HTE 380BA (380mm) horizontal vectored thrusters 3x Curvetech HTE 300BA (300mm) vertical hydraulic thrusters
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### TOOLING

Schilling Titan 4	
Schilling Rigmaster	
Zetetics Jupiter 2 Dual torque tool control system	

### BOLLARD PULL

Forward/aft	750kgf (1764 lbs)
Vertical (up)	550kgf (1213 lbs)

### AUTO FUNCTIONS

Heading	
Depth	
Altitude	
ROV DP	

### CONTROL SYSTEM & POWER DISTRIBUTION

Control cabin 20ft, A60 ISO (optional zone II 3G)
Control system smD DVECSII ROV control hardware
Dual touch screens
4 x video - two c/w quad screen splitters, 4 x control/diagnostics
TFT video wall
1 x OceanTools Overlay 4ch
1 x Kramer 16x16 switcher
2 x DVD-R Rack-mounted
1 x Canford comms set
1 x Tritech sonar topside
Incoming power supplies 380V - 480Vac or 690Vac
Vehicle instruments transformer
Vehicle HPU Power transformer
TMS Instruments transformer
TMS HPU Power transformer
Ground fault detection circuits

### LARS

Umbilical Winch	12Te
Winch Capacity	3500m of 35mm Umbilical
Umbilical Fitted	3300m of 35mm
Winch Speed	45m/min
'A' Frame	12Te Telescopic
Max Deployed Reach	5400mm from main pivot
Max Inboard Reach	4500mm from main pivot
Telescopic Extension	2900mm
Classification	CEEx II 3G E Ex IIB T3 (Zonell)
T(amb)	-10 to 45°C

### SURVEILLANCE

T4 wrist camera (PAL format)
6 x Bowtech AC LED lamps LED-R_4200
1 x Kongsberg P&T OE10-102
1 x Kongsberg Tilt OE10-103
1 x Bowtech Surveyor colour zoom (PAL format)
1 x Bowtech Explorer mono (CCIR format - B&W equivalent of PAL)
1 x Bowtech LCC700 Mini mono (CCIR format)
1 x Tritech Seaking OA Sonar (with Tritech connector and RS232 comms)
1 x TOGS/NAV c/w Gyro, DVL, IPS
1 x Novatech ST400A Flasher



SMART  
SUBSEA  
SERVICES



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