

▶ CS125 Construction Support ROV

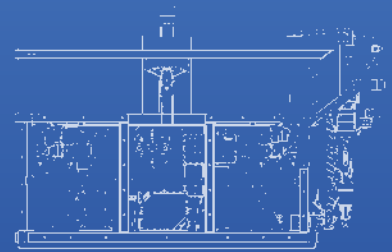
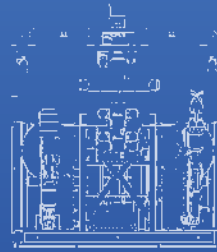
Technical Specification

The Modus CS125 ROV range offers the latest generation in 125HP work class ROV technology. Designed and built by SMD, these ROVs provide all round high level performance in survey, construction and drill support operations. Rated to 3000m water depth the CS125's are industry leading general purpose work class systems.



CS125 ▪ Construction Support ROV

Technical Specification



Vehicle

Configuration	TMS Control/Interface c/w 400m tether
Total Power	125HP
Operating Depth	3000MSW

Dimensions

Length	<3100mm
Width	<1800mm
Height	<1800mm
Weight in Air	3000kg (excluding payload)
Weight in Sea Water	Neutral
Payload	250kg

Propulsion

Propulsion System	4x Curvetech HTE380BA-45 (380mm) Horizontal vectored thrusters 4x Curvetech HTE300BA-32 (300mm) Vertical hydraulic thrusters
Fwd/Aft	3.2 knots
Lateral	3.0 knots
Vertical up/down	2.0 knots

Bollard Pull

Forward	800kgf
Lateral	800kgf
Vertical	400kgf
Auto Functions	Heading Depth Altitude

Tooling

Isolated Tooling Power	36HP (27kW)
Manipulators	7 Function Schilling T4

Surveillance

Fitted	Kongsberg Colour Zoom OE14-366 Kongsberg B/W OE15-108 Kongsberg Near SIT OE15-100
Additional capability	1 x Spare

Surveillance cont.

Lighting	6 x 250W lamps
Fitted Sensors	Tritech Super Seaking scanning sonar Tritech Altimeter Digiquartz Depth Sensor Tritech IGC Gyro Compass Novatech Xenon Strobe Tritech IFG Fibre Optic Gyro
Additional capability	1 x Spare optic fibre 2 x RS232/485 switchable Spare channels

LARS

"A" Frame SWL	8Te
Design factor	3g
Max Deployed Reach	4300mm from main pivot
Max Inboard Reach	3990mm from main pivot
Umbilical Winch	12Te max pull
Winch Speed	45m/min
LARS Footprint	8900mm x 4000mm

Control System & Power Distribution

1 x DVECS ergonomic Control Console for flat wall installation
Standard SMD DVECS ROV Control Hardware
Dual Touch Screens
8 x 19" TFT Flat panel monitors (4 x video – 4 x control diagnostics)
Incoming Power supplies 380Vac-480Vac 3Ph 60Hz supply
Vehicle Instruments Transformer
Vehicle HPU Power, Transformer
TMS Instruments Transformer
TMS HPU Power Transformer
Ground Fault Detection Circuits



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MODUS
Seabed Intervention