

# CS-125

## Technical Specification

CS-125 ROV is an SMD built 125hp work class ROV and sets the industry standard. The CS-125 ROVs provide all-round high-level performance in survey, construction and drill support operations. CS-125 is a general-purpose work class system rated to 3,000m water depth.

### 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 Curveteck HTE380BA-45 (380mm) Horizontal vectored thrusters 4x Curveteck HTE300BA-32 (300mm) Vertical hydraulic thrusters
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### TOOLING

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

### BOLLARD PULL

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

### SURVEILLANCE

Fitted	Kongsberg Colour Zoom OE14-366 Kongsberg B/W OE15-108 Kongsberg Near SIT OE15-100
Additional capability	1 x Spare
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
Lighting	6 x 250W lamps
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



# SMART SUBSEA SERVICES



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