

▶ CT1 ▪ C-Trencher 1

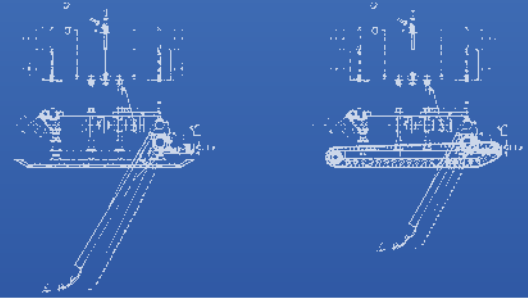
Technical Specification

C-Trencher 1 is an SMD built, free-swimming/track based, 460kW/620HP trenching system. The system is fully operational in water depths down to 2500m and capable of trenching to soil depths of 3m.



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Technical Specification



Vehicle

Configuration	Free Swimming Vehicle. Fitted with skids or track base.
Total Power	460kW/620HP
Operating Depth	2500m

Burial Tool

Configuration	Twin jet legs with multiple water jets and positive cable depressor. Two tool sets, one for 2m and the other for 3m burial.
Maximum Jet Pressure	5 Bar
Depth Control	0 - 3000mm 0 - 2000mm (short swords for harder ground)
Width Control	100 - 400mm (between jet legs)

Particulars

HPU	1 x 280kW 4 Pole 3.3kV Electro Hydraulic Unit. 1 x 150 kW direct drive water pump.
Horizontal Thrusters	4 x 430mm dia. in 45° Vector Configuration. 2 x 500mm SubAtlantic thrusters (can be vectored).

Particulars Cont.

Vertical Thrusters	4 x 380mm dia.
Maximum Forward Thrust	1400kg
Maximum Vertical Thrust	800kg
Length	6100mm (tool and tracker raised)
Width	3840mm (with tracks) 3700mm (with skids)
Height	3500mm
Speed	3 knots fore & aft 2.5 knots lateral 1 knot vertical 0-2000m/hr on tracks
Weight in Air	18,000kg (with tracks) 15,000kg (with skids)
Weight in Water	Nominal buoyancy (no tracks) 600 - 1000kg heavy with tracks
Surveillance Cameras	1 x Colour CCD 1 x SIT Monochrome 2 x CCD Monochrome
Echosounder	Mesotech 807
OA Sonar	Mesotech 971
Cable Tracker	TSS Dualtrack (TSS340/TSS350)
Manipulators	2 x 7 Function Schilling
Cable Cutter	Webtool HCV 100 0 -100mm
Cable Clamp	Slingsby TA 17

Principal Components:

Umbilical Winch, ROV, Overboarding Sheave,
Control Van, Electrical Workshop.



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