

CT-2

Technical Specification

C-Trencher 2 is an SMD built, free-swimming and/or track based 300kW/400HP jet trenching system. The system is fully operational in water depths down to 3000m and capable of trenching to soil depths of 2m.

PARTICULARS

Max. Operating Depth	3000m
Max. Product Diameter	100 - 500mm
Length	4600mm
Width	3700m (track)
Height	2700mm
Configuration	Free Swimming/tracked
Horizontal Thrusters	4 x 420mm dia. SubAtlantic thrusters
Vertical Thrusters	4 x 380mm dia. SubAtlantic thrusters
Thruster Control	By combined variable swash hydraulic motor and proportional valve to each thruster
Max. Forward Thrust	1000kg
Max. Vertical Thrust	800kg

VEHICLE POWER

Total Power	300kW 400HP
Hydraulic Power Unit	1 x 300kW 4 pole 3.3V electrohydraulic unit

WEIGHT

Weight in Air	9700kg
Weight in Water	400kg

SOIL TYPE

Suitable for a range of soil types, including sands and very soft to soft clays

CABLE TOOL PACKAGE

Burial Tool	Configuration Twin Jet Legs with Multiple Water Jets
Maximum Jet Pressure	5 Bar
Depth Control	0 - 2000mm
Width Control	100 - 500mm

SURVEILLANCE EQUIPMENT

Cameras	2 x CCD Monochrome 1 x CCD Colour with zoom 1 x SIT Monochrome
Pan and Tilts	2 x Sub Atlantic 0058-MAS
Lamps	8 x 150W individually switched lamps
Altimeter	Mesotech MS 1007-974
OA Sonar	Mesotech 974 Digital Head
Heading Sonar	Watson Gyro Pitch/Roll/Heading
Acoustic Positioning	Facility for 2 x Responders
Cable Tracker	TSS Capability
Tritech Profilers	Capability
Octans Gyro	Capability
Multiplexer	NEXANS ready
Valeport	Capability

VIDEO SUITE

DVR Black Box Recorder	Distribution to Survey Team
Manipulators	1 x Schilling Orion 7 Function 1 x Schilling Rigmaster 5 Function
Cable Cutter	Capability
Cable Clamp	Capability

CABLE BURIAL

Trenching Configuration	Forward mounted twin jet legs with multiple low pressure water jets
Water Jet Pressure	2 x Variable speed hydraulically driven single state water pump

ROV HANDLING SYSTEM A FRAME

SWL 10te in all sea conditions up to Sea State 6



SMART SUBSEA SERVICES

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