

## CT-3

### Technical Specification

C-Trencher 3 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 1500m and capable of trenching to soil depths of 2m.

#### PARTICULARS

Max. Operating Depth	1500m
Max. Product Diameter	380mm
Length	3.8m
Width	3.7m (track modules attached) 3.2m (skids attached)
Height	2.7m
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	1100kg
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	10,800kg (Trackbase)
Weight in Water	750kg

#### 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



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