



Q-TRENCHER 400, 500 & 600-COMPACT



ENGINEERING
EXCELLENCE
UNDERWATER

Q-TRENCHER

400 / 500 / 600C

The Q-Trencher cable maintenance ROV series is a versatile and powerful, cost effective cable maintenance and repair solution.

The lightweight and compact systems use high power to provide effective cable maintenance and other specialised tasks down to 3m burial. They are purpose designed to provide maximum jetting and thrust performance.

With their impressive track record, the Q-Trencher ROVs have developed a reputation for reliability and ease of maintenance. They have become an essential part of any suite of cable maintenance and installation vehicles.

SMD offer a turnkey Q-Trencher solution including LARS and umbilical system.

SMD CUSTOMISATION SERVICE

SMD understand that each customer is different and therefore that customers have different needs from their systems. In order to meet customer specific requirements SMD can customise vehicles using a range of standard components to suit preference and performance requirements.

FEATURES

- Versatile jetting system for effective soil cutting
- Minimal deck space requirements
- Ability to engage very soft to hard seabeds
- Highly manoeuvrable to suit a range of operational requirements
- Interchangeable tools to suit mission requirements with minimal down

CONTACT US

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Q-TRENCHER

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SYSTEM SPECIFICATIONS

GENERAL	QT400	QT500	QT600C
Depth rating	3000m	2500m	2500m
Dimensions (with tracks)*:			
Length	4.2m	4.5m	4.5m
Width	3.8m	3.8m	3.8m
Height	2.7m	2.7m	2.7m
Weight in air	11.0te	12.0te	13.0te
Submerged weight	<1.2te	<2.0te	<2.0te

PERFORMANCE

ROV power	400hp	500hp	600hp
ROV power	300kW	375kW	450kW

CURVETECH™ THRUSTERS

Vectored/forward	4xHTE500	4xHTE500	4xHTE500
Vertical	4xHTE500	4xHTE500	4xHTE500

MECHANICAL

Construction	High strength aluminium space frame
Buoyancy	Syntactic foam with macrospheres
Lightweight tracks	Bolt on steel chassis tracks
Skids	Aluminium

JETTING SYSTEM

Main jet tool	Twin leg jet tool with fwd/downward facing jets (sub seabed) and cable depressor		
Operating Pressure	6-8 bar		
Trench depth (up to)	1.5m	3.0m	3.0m
Width control	100mm to 400mm remotely variable		
Water supply	Twin hydraulically driven water pumps		
Forward jet tool	Twin jet device (above seabed) which jets down either side of product		

ARTEMIS™ CABLE TRACKING

Exclusively available to purchase with SMD trenching systems	
Detection Range	
(Passive)	up to 10m
(Active)	up to 5m
Vertical measurement accuracy	+/-5% plus 5cm
Depth rating	2000m
Refer to Artemis technical data for more information	

TYPICAL CABLE TOOLS

Manipulators	2x7ftn
Cable cutter	
Cable clamp	
Cable grapnel	

SUBSEA ELECTRONICS

Comprehensive instrumentation and surveillance suite, typically comprising:

Cameras
Lamps
Pan & tilt
Sonar

OPTIONAL DREDGE SYSTEM

Configuration	Single leg eductor system with integral agitation jets mounted in place of jet tool		
Dredge depth (up to)	1.5m	2.0m	3.0m

POWER AND CONTROL

Control & power system	Vessel integrated or housed in A60 containers
Umbilical system	Steel armoured umbilical cable on a 13.5te winch

LARS

LARS	13.5Te SWL sea state 6
Deck HPU	2 x 110kW

AFTER SALES SERVICE

Operational personnel
Technical support
Service agreements
Spares packages

*All dimensions are approximate and subject to final design

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