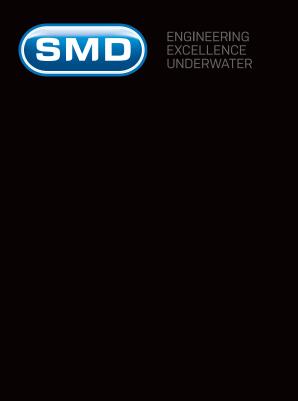


Q-TRENCHER 1400/1600



Q-TRENCHER 1400/1600

The Q-Trencher 1400/1600 is a compact, versatile, high powered multi-skid tooling, tracked trencher.

With 1.2 megawatts of total power the trencher can provide rapid progresss jetting in sands and/or come equipped with a chain cutter to work in harder ground conditions.

This highly capable trencher is the smallest vehicle in our range capable of chain cutting mode, further extending the ground conditions the trencher can tackle.

The complete system spread sets a new standard in severe weather deployment, for operations up to sea state 6.

FEATURES

- → Modular cassette system enables jetting and chain cutting capability without the need to return to shore
- → Jetting configuration enables superior performance in sands and clays for reduced operational time
- → Low submerged weight enables excellent manoueverability for accurate subsea positioning, without sacraficing tooling power and capability
- → Enables trenching right up to turbine foundation, reducing requirement for methods such as rock dumping and mattressing
- → Purpose built LARS allows safe operations into high sea states



SMD CUSTOMISATION SERVICE

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

Q-TRENCHER 1400/1600

SYSTEM SPECIFICATIONS

GENERAL	1400	1600
Depth rating		
Chain cutter	500msw	500msw
Jetter	2000msw	2000msw
Dimensions* Jetter Length Width Height Weight in air Submerged weight	7.8m 6.3m 5.0m 38Te <1.5Te	10.4m 6.7m 5.2m 45Te <1.5Te
Chain cutter Length Width Height Weight in air (up to) Submerged weight	8.0m 6.3m 5.0m 30Te 15Te	9.6m 6.7m 5.2m 45Te 18Te
Max. bollard pull Horizontal Vertical	3.0Te - -	1.5Te 3.0Te
PERFORMANCE		
Vertical Fore / Aft	2.0 knots 3.0 knots	2.0 knots 3.0 knots
Lateral	2.0 knots	2.0 knots
Total power	1050kW	1200kW
MECHANICAL		
Construction	High strength steel chassis	

Buoyancy
Syntactic foam with macrospheres

JETTING SYSTEM

Configuration Twin leg jet tool with constant angle Swords 2.0 & 3.0m with

switchable sections

Width control 100mm to 400mm remotely

variable

Jetting pressure Variable 7-15bar

VSD water pumps 2 x 375kW 2x400kW

CHAIN CUTTING SYSTEM

Configuration 450mm twin strand cutting chain, clay picks and depressor

Max trench depth2.0m2.3mInstalled power300kw400kWDredge pump75kW75kWCable handlingCable arms and bellmouth

HYDRAULIC SYSTEM

Installed power 2 x 150kW 2x200kW

SUBSEA ELECTRONICS

Electronics Pod One atmosphere pressure vessel

Depth Rating 2000m

SUBSEA SURVEILLANCE

Comprehensive instrumentation and surveillance suite,

typically comprising:

Cameras Lamps Pan & tilt Fibre Optic

THRUSTERS

Vectored / Forward 4 x Curvetech HTE500 Vertical 4 x Curvetech HTE500

Pitch and roll capability 10-15°

POWER AND CONTROL

Control System
Power System
Umbilical system
Umbilical system
20ft container
1x20ft 1x12ft container
Up to 2300m umbilical
25te SWL winch, sea state 6

LARS

A-frame

handling system 2-cylinder, narrow angle 43-48Te SWL, sea state 6

Deck HPU 460kW

ARTEMIS™ CABLE TRACKING

Exclusively available to purchase with SMD trenching

systems

Detection Range

Passive up to 10.0m
Active up to 5.0m
Vertical measurement +/-5% plus 5cm

accuracy

Depth rating 2000m

Refer to Artemis technical data for more information

OPTIONS

Backfill / backwash / eductor system for jetting skid

Forward jetting swords for jetting skid

Drill skid

Cutting dredge skid Core drilling skid

AFTER SALES SERVICE

Operational personnel Technical support Service agreements Spares packages

CONTACT US SMD info@smd.co.uk +44 (0) 191 234 2222 SMD.CO.UK

^{*}All dimensions are approximate and subject to final design and configuration

^{**} All possible confgurations of this product do not exceed this weight

^{***}Available to hire via SMD - please enquire via services@smd.co.uk