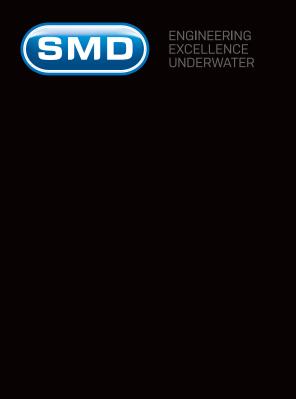


Q-TRENCHER 2800



Q-TRENCHER 2800

The Q-Trencher 2800 is a high powered free-swimming jet trencher, with optional track drive for enhanced burial capability. With more than 2.0 megawatt of total power, the trencher delivers 1.5 megawatts of variable high pressure jetting power. This power makes the QT2800 the most powerful free-swimming trencher on the market. The complete system spread sets a new standard in severe weather deployment operation, with sea state 6 as standard and able to deploy the ROV in buoyant or heavy mode up to 18Te, allowing deployment of chain cutters and drill systems.

FEATURES

- → 2800hp (2100kW) of installed variable power
- → 2.5m maximum jet trenching depth capability to 100KPa
- → Twin legged dredge system
- → 1500m maximum water depth
- → High strength steel chassis
- → Sensitive free-swimming control for survey
- \rightarrow DVECS II[™] control system
- → Range of SMD designed A-frame based LARS for standard and 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

SYSTEM SPECIFICATIONS

GENERAL

Depth rating

Dimensions

Length 78m Width 78m Height 56m Weight in air (skids) 60te Submerged Weight Neutral Max Bollard Pull 5800kg

PERFORMANCE

Vertical 20 knots Fore / Aft 30 knots Lateral 20 knots 2100kW total **ROV** Power

THRUSTERS

Vectored / Forward 4 x Curvetech HTE750 4 x Curvetech HTE750 Vertical 2 x Curvetech HTE750 Rear

Pitch and roll capability 7°

MECHANICAL

High strength steel space frame Construction Buoyancy Syntactic foam with macro-

1500msw

spheres

JETTING SYSTEM

Configuration Twin leg jet tool mounted

on double scissor linkage Trench Depth 0-25m Jetting pressure Variable 7-15bar Water pumps 4 x 375kW

HYDRAULIC SYSTEM

Installed power 2 x 150kW

Cylinders Smart heavy duty marine type Directional and counterbalance Valves Valve packs Stainless steel, oil compensated

Manifolds, pipes

and fittings Stainless steel

Multi-spiral flexible hoses Hoses

SUBSEA ELECTRONICS

Electronics Pod One atmosphere pressure vessel

Depth Rating 1500m

Test pressure 125x working pressure

SUBSEA SURVEILLANCE

Cameras 2x monochrome CCD

2x colour zoom

2x monochrome SIT equivalent 2 spare video channels

10x 250W incandescent Lamps

subsea lamps Dimmed individually

Pan and Tilt 4x robust 24V P&T units 1x robust 24V unit Rotator Sonar Tritech/Kongsberg Fibre Optic

Gyro Doppler Velocity

Workhorse Navigator Log (Optional)

Profilers (Optional) Tritech/Kongsberg/Multibeam

SUBSEA INSTRUMENTATION

FO Gyro Heading Altitude Profiling sonars Pitch and roll Inclinometer Load Shear pin load cell Displacement In-cylinder transducer

Distance Rotary encoder Absolute and differential Pressure

Proximity sensor Position

Hydrophone Benthos

OTHER EQUIPMENT

Control System 20ft ISO container Power System 2x 20ft ISO containers

A-frame

handling system 2-cylinder, narrow angle

40-45te SWL, sea state 6

3200m umbilical Umbilical system

25te SWL winch, sea state 6

Deck HPU 460kW

Spares package Optional packages available