

THE WORLD'S MOST POWERFUL FREE-SWIMMING TRENCHER

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
- 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.

SYSTEM SPECIFICATIONS

GENERAL

Depth rating.....	1500msw
Dimensions	
Length	7.8m
Width	7.8m
Height	5.6m
Weight in air (skids)	60te
Submerged Weight	Neutral
Max Bollard Pull.....	5800kg

PERFORMANCE

Vertical	2.0 knots
Fore / Aft	3.0 knots
Lateral	2.0 knots
ROV Power	2100kW total

THRUSTERS

Vectored / Forward	4 x Curvetech HTE750
Vertical	4 x Curvetech HTE750
Rear.....	2 x Curvetech HTE750
Pitch and roll capability	7°

MECHANICAL

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

JETTING SYSTEM

Configuration.....	Twin leg jet tool mounted on double scissor linkage
Trench Depth	0-2.5m
Jetting pressure	Variable 7-15bar
Water pumps.....	4 x 375kW

HYDRAULIC SYSTEM

Installed power	2 x 150kW
Cylinders	Smart heavy duty marine type
Valves.....	Directional and counterbalance
Valve packs	Stainless steel, oil compensated
Manifolds, pipes and fittings	Stainless steel
Hoses	Multi-spiral flexible hoses

SUBSEA ELECTRONICS

Electronics Pod	One atmosphere pressure vessel
Depth Rating	1500m
Test pressure	1.25x working pressure

SUBSEA SURVEILLANCE

Cameras	2x monochrome CCD 2x colour zoom 2x monochrome SIT equivalent 2 spare video channels
Lamps	10x 250W incandescent subsea lamps Dimmed individually
Pan and Tilt	4x robust 24V P&T units
Rotator.....	1 x robust 24V unit
Sonar	Tritech/ Kongsberg
Gyro	Fibre Optic
Doppler Velocity Log (Optional)	Workhorse Navigator
Profilers (Optional)	Tritech/ Kongsberg/ Multibeam

SUBSEA INSTRUMENTATION

Heading	FO Gyro
Altitude	Profiling sonars
Pitch and roll.....	Inclinometer
Load	Shear pin load cell
Displacement	In-cylinder transducer
Distance	Rotary encoder
Pressure	Absolute and differential
Position	Proximity sensor
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
Umbilical system.....	3200m umbilical 25te SWL winch, sea state 6
Deck HPU	460kW
Spares package	Optional packages available