

T-750

Jet Trencher



T-750 JET TRENCHER

THE T-750 TRENCHER is proven to trench a wide variety of cables, umbilicals, flexibles and rigid pipe, including anode and piggybacking handling.

MAIN CHARACTERISTICS

Maximum Dimensions	
5.4 m wide	
3 m high	
7.2 m long (exc. rear-mounted tools)	
Maximum Weight in Air	
21,000 Kg including 200 Kg payload (in track, skid and pipe running mode)	
Weight in Seawater	
Neutral (with skids fitted)	
900 Kg + / - 100 Kg (with tracks fitted)	
300 Kg in pipe running mode (skids fitted)	
Depth Rating	1,500 m (2,500 m option)
Environmental	
Air Temperature	Maximum -20° C to 40° C
Humidity	100%
Seawater Temperature	Up to 32° C
Vehicle Power	
750 hp	
Maximum Cut Depth	
2 m	

SURVEILLANCE

Low Light Camera	One off, ROS 2020 Navigator 3,000 m
Miniature Color Camera	Two off, Simrad OE14-106 Inspection, 3,000 m
Color Camera	Two off, Simrad OE1366 with zoom and focus, 3,000 m Two off, Simrad OE1392 miniature observation, 3,000 m
Lights	Twelve off lights 120 vac, 250 w ROS QL3000
Sonar	One off Tritech Super Seaking DFS, 4,000 m
Pipe Tracker	One off TSS 440 pipe / cable tracker
DHSS Profilers	Tritech Super Seaking DFP, 4,000 m
Camera Pan and Tilt	Four off PSSL type HA302, non-feedback
Camera Tilt	Two off PSSL type HA302, non-feedback
Navigation / Location Aids	Two off Simrad RPT324 Responders / Transponders

BOLLARD SPECIFICATIONS

Bollard Pulls (in Free Fly Mode)	
500 kgf forward / aft	
1,300 kgf lateral	
2,000 kgf up	
2,000 kgf down	

TRENCHING CAPABILITIES

Burial Speed	
Estimated Maximum	2.25 knots forward / aft
Surface Speed	1.9 knots lateral 2.0 knots up 2.0 knots down
Speed on Tracks	50 m/hr up to 2,500 m/hr maximum where operating conditions permit

LARS

A-frame	Hydraulically powered A-frame with umbilical sheave and snubber unit
Safe Working Load	35,000 kgs
Operating Temperature	-20° C to 40° C
Overboarding Reach	11 m (nominal from outboard end of skid)
Distance Between Legs	12 m
Approximate Stowed Length	80 m
Umbilical Winch	Hydraulically powered winch with integral level-wind mechanism
SWL	25,000 Kg (air / water interface) under 3 g accelerations
Umbilical Length	1,800 m (optional 2,750 m)
Complete System	1.8 MVA power requirement
Minimum Manning Requirements	2 x superintendent 2 x supervisor 6 x pilot tech

PRODUCT BURIAL CAPABILITIES

Product Size Range	100 – 710 mm diameter (Depending on soil conditions and burial depth)
Cohesive Soil	Up to 100 kPa

TOOL SPECIFICATIONS

Burial Tools

One interchangeable 2.0 m flowline jet trenching tool

One interchangeable 2.0 m long flowline trench eductor and / or dredging tool

One interchangeable trench back-filling tool attachment

Three interchangeable jet trenching tools of length 1.0 m, 2.0 m and 3.0 m

Burial Jetting Sensors

Port burial arm wide / narrow position from center line

Port burial arm side load

Stbd burial arm wide / narrow position from center line

Stbd burial arm side load

Burial arms, vertical position

Burial tool, angular position

Burial tool load (forward / aft axis)

Rock Cutting

8 in cutting wheel with over vehicle guide system and product handling crane

Manipulators

Two off, TA40, rate controlled 7 function (optional) manipulator (color grey)

Photo to come



Canyon Offshore
5212 Brittmoore
Houston, Texas 77041 USA

Office 713.856.6010
Fax 713.856.6020

www.HelixESG.com