



DATA SHEET

Doc Ref: ENS-MAR-DAS-018_RevC

KEY FEATURES

- Operates in shallow water to beach.
- Enhanced burial depths via jetter or wheel cutter.
- Easily reconfigurable for client requirements.
- All equipment can be transported in 7 x 20'

SWT-1

SHALLOW WATER TRENCHER

SWT- 1 has been designed for the burial of submarine cables and umbilicals in shallow water and beach operations.

With enhanced technology, the SWT-1 can be adapted to operate in either wheel cutting or jetting mode, to provide efficient burial depths in multiple soils.

The trenchers integrated depressor ensures positive lowering and removes the need for separate post-trench survey operations to ascertain the depth of lowering.

SWT-1

PARTICULARS

Operating Depth	0-40m
Max. Trench Depth	1.2m to bottom of trench
Max. Product Size	200mm
Product MBR	2.5m
Length (Without tools)	5.5m
Length (Cutter Wheel)	12m
Width	4.2m
Height	6.5m
Weight in air (less tools)	7.9te
Weight in air (With wheel cutter)	12.5te
Total Spread	7 x 20ft ISO containers

SPEED RANGE

No Burial	0 - 1500m/hr
Trenching	50-250m/hr depending on conditions

VEHICLE POWER

520kW deck power pack supplies main vehicle hydraulics

SOIL TYPE

Suitable for a range of soil types, including loose sand to 20MPa

WHEEL CUTTER

Product Loading	Onshore or diver assisted subsea
Product Diameter	200mm
Trench Profile	1.2m (maximum depth)
Product MBR	2.5m
Soil Types	Sands, firm to hard clay, sedimentary rock up to 20 MPa
Trench Width	276mm

SURVEILLANCE EQUIPMENT

4 x Cameras
2 x Electric Pan & Tilt Units
4 x LED Dimmable Lamps, with provision for 4 additional
Gyro Compass, Tritech
TSS440 Cable Tracker
Obstacle Avoidance Sonar
Transponder/Responder (optional)

JETTING MODE

Power	Supplied by deck mounted pump
Trench Depth	2m

