

SWT-1

SPECIFICATION SHEET



SWT-1 SHALLOW WATER TRENCHER

KEY FEATURES

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.

- OPERATES IN SHALLOW WATER TO BEACH
- ENHANCED BURIAL DEPTHS VIA JETTER OR WHEEL CUTTER
- EASILY RECONFIGURABLE FOR CLIENT REQUIREMENTS

The SWT-1 is not limited to these parameters and can be modified by DeepOcean to complete worksopes in excess of its current configuration.

SPECIFICATION SHEET

PARTICULARS

| | |
|--|--------------------------|
| OPERATING DEPTH | 0 - 40m |
| MAX. TRENCH DEPTH | 1.2m to bottom of trench |
| PRODUCT SIZE | 200mm |
| PRODUCT MBR | 3m |
| LENGTH (WITHOUT TOOLS) | 5.5m |
| LENGTH (CUTTER TOOLS) | 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

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|------------------|--------------------------------------|
| 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 | 3m |
| SOIL TYPES | Sands, firm to hard clay, sedimentary rock up to 20MPa |
| TRENCH WIDTH | 276mm |

JETTING MODE

| | |
|---------------------|-------------------------------|
| POWER | Supplied by deck mounted pump |
| TRENCH DEPTH | 2m |

SURVEILLANCE EQUIPMENT

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|---|
| 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) |

CRANE MANIPULATOR

| | |
|---|-----------------|
| MAXIMUM LOAD | 2000kg |
| MAXIMUM REACH | 7m through 340° |
| 8 functions total + boom mounted camera for peripheral vision | |



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SPECIFICATION SUBJECT TO CHANGE WITHOUT NOTICE

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