

Subtrench Pty. Ltd.

Maximising Reliability - Minimising Risk Safety Underpins Everything We Do

SUBTRENCH ONE

PIPELINE TRENCHING MACHINE



Very Shallow Water Operations

Principal Data

• Capability : Pipelines from 6 inch to 40 inch nominal size. Can be adjusted for larger diameter pipelines.

Soils : Silts/ sands through stiff/ hard clays.

• Trench Depths : To 3.0m with multipass. Can be adjusted for deeper trenches.

• Dimensions : Carriage: 8.5m (L) x 7.8m (W) x 5.5m (H).

• Weights : 38 T (Air); 28 T (Submerged).

• Tractive Effort : Up to 8 tonnes depending upon seabed conditions.

• Ground Pressure : Between 16 to 29 kPa depending upon tracks used.

Total Power : 2720 kW.

• Speed range : Travelling: generally between 0 to 1 km/hr.

: Trenching: generally between 1 to 10 m/min (60 to 600 m/hr) and depending upon the soils & trench depth per pass.

Subtrench

Pipelines, Cables, Umbilicals & Flexibles:

Delivering Ground Breaking Underwater Trenching Technology & Services Worldwide

- Any Soil
- Any Depth
- Any Where

SUBTRENCH

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Main Features

- Suitable for pipelines from 6 inch to 40 inch nominal size.
- Capable of progressively trenching Extensive monitoring, survey and up to 3.0 m trench depths using multiple passes. It has a varying • Suitable for use in harsh and/or trench depth cut per pass capability.
- Suitable for very wide range of soils: loose through to compact very • A comprehensive set of spares are dense sands (14 MPa), silts and soft through to hard clays. It has the ability to handle soil variations such as peat, shell banks, gravel banks, Hydraulic Power Pack (HPP) etc. The machine can be set up to • Deck mounted, diesel driven, 320 provide different trench shapes to suit these various soils.
- Combination water/ hydraulic/ control supply umbilical.
- Operational from the beach above the water line to 50 meter water depths.
- It can be used in pre-trench or post trench, remedial trenching or high point correction mode.
- Hydraulically track provide a greater operating range whilst being able to maintain a consistent trenching being trenched. Accurate steering and alignment during operations.
- Hydraulically driven mechanical Monitoring & Controls chain cutters as well as medium • Extensive monitoring system with pressure (450 psi) capacity adjustable water jetting system and increased capacity
- Can be either fully supported on its tracks on the seabed clear of the • Octans pipeline or umbilical or it can be • USBL controlled from the deck to partially • Others: Cutter, Tracks, HPP, Water or fully ride on the pipeline.
- Operation can be diverless through the use of the onboard sonar and camera systems.
- prevent contact between the cutter chains and the pipeline or umbilical during trenching.

- It can be used as an underwater bulldozer with the fitment of a suitable blade.
- control system.
- sensitive marine and inland water environments.
- carried in the dedicated workshop container.

kW, skid mounted with integrated control cabin.

Water Pumps

• 2 off, deck mounted, diesel driven, 1,300 kW centrifugal pumps. Each with 3,100 kPa (450 psi) at 900 cum/hr (4,000 usgpm).

Cutter Motors

driven to • 2 off, 55 kW each, hydraulic driven motors.

speed Supply Umbilical

appropriate for the particular soil(s) • Combined water/ hydraulic/ control supply umbilical.

- operations from a central control room
- eductor Front Pan & Tilt Camera with light, rear fixed Camera with light and Sonars

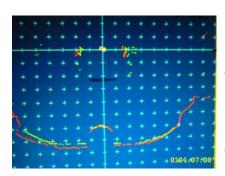
 - Pumps, Solenoid Pod



Side View



Control Cabin



Typical Sonar View of Trench • It incorporates physical barriers to & Pipeline

Specification subject to change without notice

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