

COMPACT 3.0 TO 3.5 HARD GROUND TRENCHER BT2100



COMPACT 3.0 TO 3.5 HARD GROUND TRENCHER BT2100

The BT 2100 draws on SMD's experience of track driven vehicles, trenching and cable handling subsea to provide a soft to hard ground burial solution in one neat package. BT2100 is a fully amphibious vehicle and comes equipped with interchangeable tooling cassettes including a powerful chain cutter, dredge pump and jet legs. This well proven chain cutter deployment system allows post lay burial of cable up to 300mm and 5.0m MBR.

FEATURES

- → Pre and post lay cable burial cassettes
- → Fore dredge pump transporting
- \rightarrow 600m³/hr solids
- → 300mm max cable/umbilical diameter with read swords
- → Comprehensive instrumentation and surveillance

SMD CUSTOMISATION SERVICE

SMD understand that each customer is different and therefore that customers have different needs from their systems. In order to meet customer specific requirements SMD can customise vehicles using a range of standard components to suit preference and performance requirements.

COMPACT 3.0 TO 3.5 HARD GROUND TRENCHER BT2100

SYSTEM SPECIFICATIONS

GENERAL 1000msw Depth rating Dimensions Length 14.5m Width 7.5m Height 5.5m Weight in air 70Te

PERFORMANCE Trench Depth (jetting) 3.0m max Max Cable Diameter 300mm Speed 0-250m/hr Soil Types All sands

Clays from 10-1000MPa Rock from 1-40 MPa Soft ground capability (with buoyancy) 12-20kPa

Installed power 1600kW (total)

MECHANICAL High strength steel chassis Construction replaceable wear-resistant steel Wear parts

Other Stainless steel fittings

and housings

TRENCHING SYSTEM

Configuration Single vertical hyd. drive chain

cutter with separate rear jet tool

2.0 & 3.0m vertical Trench profile Chain power 400 & 800kW Chain width 600mm Chain depth 2.0 & 3.0m Chain speed 0 to 4.0m/s

heavy duty chain with point Chain type

attack picks

75kW/hr 600m3 solids Forward dredge pump Dredge spoil backfill spoil fed to cover cable

JETTING SYSTEM

Configuration Independent twin-legged device

either side of cable/product Water pumps with hydraulically **Jetting**

variable supply/

Pressure 1 0-15bar

Up to 800m³/hr per sword Flow

@10bar

Sword isolation Upper 1.0m for hard ground

Power 2x300kW direct drive

depth 3.0m Jet leg Depressor 3.0m

CRANE MANIPULATOR & TOOLS

Configuration Four function crane fitted with

three function grab, single water

jet and dredge system

Crane lift capacity 3Te/m Grab max lift capacity 4.0Te Crane max reach 7.0m

Crane jet power 1500lpm @ 4 bar

HYDRAULIC SYSTEM

Cylinders Smart heavy duty marine Valves Directional & counterbalance Valve packs Stainless steel, oil compensated

Manifolds, pipes

& fittings stainless steel

Mutli-spiral flexible hoses Hoses

SUBSEA SURVEILANCE

Cameras Up to 8

(HDTV optional) Up to 12 x 250V

Lamps Dimmable LED subsea lamps

Kongsberg/Tritech/Multibeam

(Dimmed in groups) Up to 6 24V P&T units Kongsbery/Tritech

Sonar Fibre optic Gyro Acoustic Positioning To suit vessel

HID lamps

Pan and tilt

(optional) Up to 2 x 400W

Profilers (optional)

Echosounder

Kongsberg

(optional)

High definition

multibeam sonar Blueview

OTHER EQUIPMENT

Control &

power system 2 x 20ft ISO container

SMD DVECS II or DVECS S system LARS 80Te SWL sea state 5 A frame

with shallow water rapid

recovery option

Umbilical system 1500m & 3.0Te winch HPU 22kW or 330kW Winch

deck mounted

A-frame 80Te SS5 with rotator

docking frame

1000m lift wire with bullet Lift winch

CONTACT US SMD info@smd.co.uk +44 (0) 191 234 2222 SMD.CO.UK