

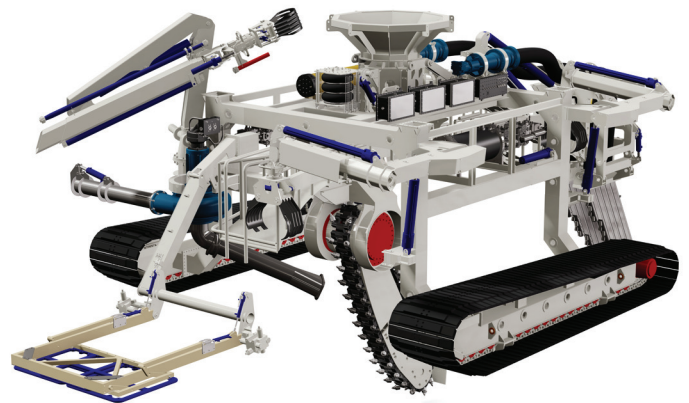
COMPACT 2.0M HARD GROUND TRENCHER

The CBT800 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. CBT800 is a fully amphibious vehicle and comes equipped with a powerful chain cutter, dredge pump and jet legs. A well proven chain cutter deployment system allows post lay burial of cable up to 300mm and 3.0m MBR.

FEATURES

- 300mm cable burial tractor weighing 30-35 Te
- 2.0m rock chain cutter to 20MPa or 40MPa
- Full power sharing between tools to suit ground conditions
- Simultaneous & post lay burial with cable handling & surveillance
- Fore dredge pump transporting 600m³/hr solids for trench clearing & backfill

CBT 800



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.

CBT / 800

GENERAL	
Depth rating	1000msw
Dimensions	
Length	12.5m
Width	6.5m
Height	5.5m
Weight in air	30-35Te
PERFORMANCE	
Trench Depth	2.0m max
Max Cable Diameter	300mm
Speed	0-250m/hr
Soil Types	All sands Clays from 10-400kPa Rock from 10-400kPa
Soft ground capability (w/buoyancy)	12-20kPa
Installed power	600kW (total)
MECHANICAL	
Construction	High strength steel chassis
Wear parts	Replaceable wear-resistant steel
Other	Stainless steel fittings and housings
TRENCHING SYSTEM	
Configuration	Single vertical hyd. drive chain cutter with separate rear jet tool
Trench profile	2.0m vertical
Chain power	300kW
Chain width	600mm
Chain depth	2.0m
Chain speed	0 to 4.0m/s
Chain type	Heavy duty chain with point attack picks
Forward dredge pump	75kW/hr 600m ³ solids
Dredge spoil backfill	spoil fed to cover cable
JETTING SYSTEM	
Configuration	Independent twin-legged device either side of cable/product
Jetting Pressure	Water pumps with hydraulically variable supply/ 10-15bar
Flow	Up to 600m ³ /hr per sword @ 10bar
Sword isolation	Upper 1.0m for hard ground
Power	2x200kW direct drive
Jet leg depth	2.5m
Depressor	2.5m

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
Hoses	Multi-spiral flexible hoses

SUBSEA SURVEILLANCE

Cameras	Up to 8 (HDTV optional)
Lamps	Up to 12 x 250V Dimmable LED subsea lamps (Dimmed in groups)
Pan and tilt	Up to 6 24V P&T units
Sonar	Kongsberg/Tritech
Gyro	Fibre optic
Acoustic Positioning	To suit vessel
HID lamps (optional)	Up to 2 x 400W
Profilers (optional)	Kongsberg/Tritech/Multibeam
Echosounder (optional)	Kongsberg
High definition multibeam sonar	Blueview

OTHER EQUIPMENT

Control & power system	2 x 20ft ISO container SMD DVECS II or DVECS S system
LARS	45Te SWL sea state 5 A frame with shallow water rapid recovery option
Umbilical system	1500m & 3.0Te winch
Winch HPU	22kW or 330kW deck mounted
A-frame 45Te	SS5 with rotator docking frame
Lift winch	1000m lift wire with bullet