

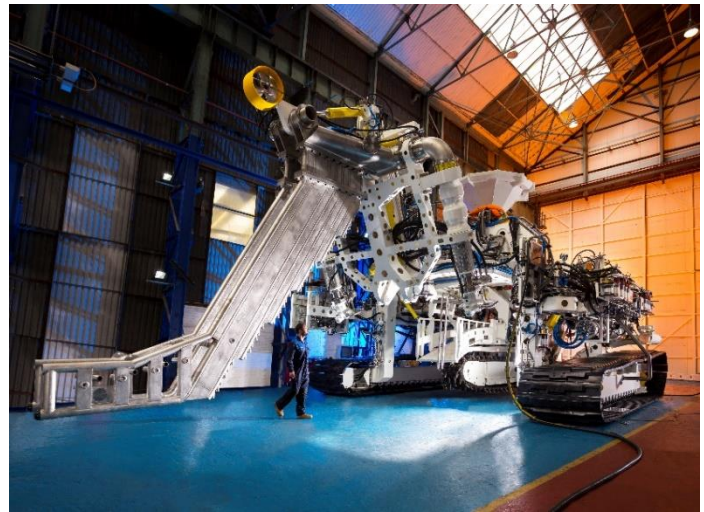
INNOVATIVE CABLE TRENCHING SOLUTION

CABLE BURIAL TRACTOR CBT2400

The CBT2400 draws on SMD experience of track driven vehicles, trenching and cable handling subsea to provide a soft to hard ground burial solution in one neat package. CBT2400 is a fully amphibious vehicle and comes equipped with two powerful chain cutters, two dredge pumps and jet legs. A well proven chain cutter deployment system allows post-lay burial of cable up to 500mm and 5.0 MBR.

FEATURES

- 85Te tractor (in heaviest configuration)
- 100Te SWL detachable lift point
- 1800kW of installed power
- Pre and post lay cable burial
- Fore dredge pumps transporting 2x 600m³/hr solids
- 500mm maximum cable / umbilical diameter with rear swords
- 3.0m-5.0m minimum bend radius dependent on burial depth
- 3te/m crane manipulator with jet/dredge tools
- 1000m maximum water depth
- Optional Tooling Cassettes:
 - 2.3m centrally mounted chain cutter with rear jetting depressor for hard ground conditions up to 80MPa
 - 3.3m centrally mounted chain cutter with rear jetting depressor for ground conditions up to 40MPa
 - 1.3m wheel cutter for ground conditions 50MPa



SMD CUSTOMISATION SERVICE

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

SYSTEM SPECIFICATIONS

GENERAL

Depth rating:	up to 1000m
Approximate dimensions:	
Length (including tools)	21.7m
Width	9.4m
Height	7.1m
Maximum weight in air	85.0te
Submerged weight	73.0te

PERFORMANCE

Speed range (no burial)	20-1000m/hr
Avg. speed range (trenching)	50-500m/hr
Ground pressure	25kPa
Installed power	1800kW total

MECHANICAL

Construction	High strength steel chassis
Tracks	1750mm plastic tracks on steel chain

CHAIN CUTTER – CASSETTE ONE

Configuration	Chain cutter on swing frame
Chain width	720mm
Chain power	800kW
Chain speed	0 – 3m/s
Jetting	Rear mounted twin jet swords
Depressor	Integral to jet swords
Jetting power	1200kW
Trench depth	3.3m
MBR	5m
Forward jetter	150kW

CHAIN CUTTER – CASSETTE TWO

Configuration	Chain cutter on swing frame
Chain width	720mm
Chain power	800kW
Chain speed	0 – 3m/s
Jetting	Rear mounted twin jet swords
Depressor	Integral to jet swords
Jetting power	1200kW
Trench depth	2.3m
MBR	up to 5m
Forward jetter	150kW

WHEEL CUTTER – CASSETTE THREE

Configuration	Centrally mounted wheel cutter
Wheel width	500mm
Wheel power	400kW
Pick velocity	0 – 2.5m/s
Depressor	Rear mounted
Trench depth	1.2m
MBR	3m
Forward jetter	150kW

DREDGE SYSTEM

Configuration	Front mounted with backwash function
Power	2 x 75kW

SUBSEA ELECTRONICS

Electronics Pod	One atmosphere pressure vessel
Depth Rating	1500m
Communication	Fibre Optic MUX

SUBSEA SURVEILLANCE

Cameras	up to 8 cameras
Lamps	up to 12 LED
Pan and tilt	up to 6 P&T units
Sonar	Obstacle avoidance
Gyro	Fibre Optic
Profilers (Optional)	Multi-beam
Acoustic Positioning (Optional)	to suit vessel

OPTIONS

Crane manipulator	Cylinder actuated slew mechanism
	Boom, two stage jib and grab
Cable tracking package	TSS 350/440

POWER AND CONTROL

Control Cabin	Housed in 20ft ISO A60 container
Control System	SMD DVECS system
Power System	housed in 20ft ISO containers

LARS

LARS	Sea State 5 or 6 A-frame
Umbilical Winch	Sea state 5 or 6
Deck HPU	