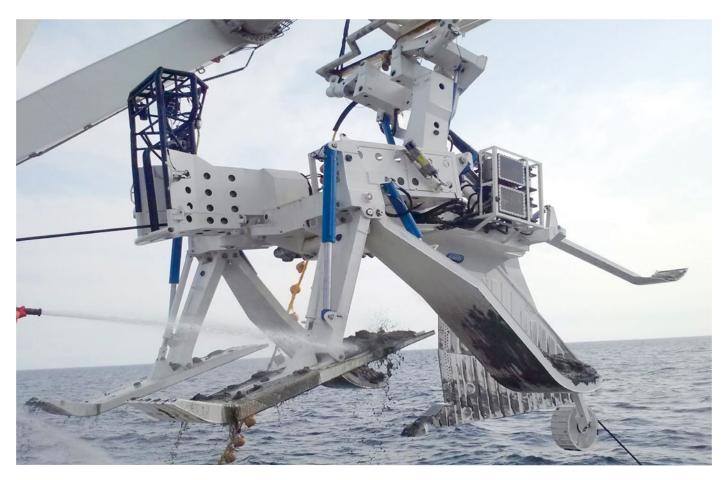


MD3XT PLOUGH











MD3XT was manufactured by SMD in 2013, and has been recognised globally as setting the standard in cable ploughing, reliably trenching in most soils including clays and sands. Using patented technology, the plough is designed to minimise pull force requirements and provide effective trenching capability from zero to 3.3m depth. Its performance is able to be enhanced with jetting upgraded and coupled with a tow winch, umbilical and LARS system.



MD3XT PLOUGH

Weight		
Air Weight	27.5ton	
Submerged Weight	22.0ton	
Dimensions		
Skid Down	9.49m (L)	
Drawbar Down	5.50m (H)	
Over Stabilisers	5.08m (W)	
Operation		
- Pulled by tow wire from surface vessel		
Operating Depth	1,500m	
Towing Force	10ton to 80ton (0m to 2.2m deep) 50ton (2.2m to 3.3m deep)	
Max. Permissible pull at Plough	80ton	
Burial Depth	Up to 3.3m	
Cable Size	17mm to 90mm Diameter	
Repeaters	Up to 380mm Diameter	
Cable Splice Boxes	Up to 150 Diameter	
Cable Bend Radius	Minimum along the cable path 1.5m	
Soil Type	Any, with Good Rock Ripping Ability	
Cable Tracking	Lateral Cable Angle Potentiometer and TV Camera	
Ploughing Speed	Up to 1m/s Depending on Seabed Condition	
Operating Conditions		
Operating Temperature	+40C to -4C	
Ambient Temperature	+50C to -15C	

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Hydraulics	
Fittings Motor	3-Phase, 2kV, 50/60Hz, 15kW
Reservoir	100litres Working Capacity
Subsea Jettir	ng System
Motor / Pump Sets	2 X 250kW subsmersible motor / Pump sets
Jets	- 1 X set with Different Nozzle Diameters - 1 X set of Nozzle Blanks
Power Control	 Main Share Jet tool consumption up to 500kW Switch each 250kW supply to front jet tool or share
Subsea Elect	ronics and Telemetry
Test Pressure	1.25 X Working Pressure
Mounting	Anti Vibration Type
Instrumentat	ion
Pressure Transducers	- Water Depth - Depressor Pressure - Hydraulic System
Jetting Transducers	Water Pressure (X2)
Linear Transducers	Hydraulic Oil Reservoir Volume
Altitude	Echo Sounder (Range 0.6m to 30m)
Surveillance	
Cameras	3 X Near-SIT Camera (Kongsberg Simrad)
Lamps	5 X 150w 245v LED (Bowtech)
Sonar	Obstacle Avoidance (Tritech, Super seaking)

Sub-Atlantic, 24V Pan and Tilt Unit

For Noise Monitoring - Benthos



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