

LOW RISK POWER CABLE INSTALLATION AND TRENCHING

150 TONNE MULTI-FUNCTION PRE-LAY PLOUGH

SMD's newest innovation is the Multi-Function Pre-Lay plough which can be supplied in many configurations for boulder clearing, trenching and/or backfill. Just one plough can be set up to carry out any combination of these processes which makes it economical in both cost and time.

FEATURES

- 150 tonne continuous tow load
- 200 tonne peak tow load
- 1.7m multi-depth trench capability
- Boulder clearing mouldboards
- Ability to clear 1200mm boulders
- 300m maximum water depth as standard
- Optional backfill
- Highly manoeuvrable steering angle
- Detachable lift point
- DVECS™ control platform
- Comprehensive instrumentation and surveillance



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.....	300m
Dimensions (approximate)	
Length	15.4m
Width	9.6m
Height	7.0m
Weight in air (approximate)	50te
Maximum tow load	150te

TRENCHING

Share	'V-shaped' upper shareVertical lower section creating a 'Y-shaped' trench
Fronts skids.....	Depth control
Trench floor width.....	500 - 600mm

BOULDER CLEARING / GRAPNEL RUN (OPTIONAL)

Boulder clearing blades	Retractable extensions
Fronts skids.....	With boulder lifting tines
Deployed share.....	Side load stability and grapnel function

BACKFILL SYSTEM (OPTIONAL)

Backfill blades	Symmetrical angled blades
Fronts skids.....	Follow trench
Rear skids.....	Provide support and lateral androll stability

PERFORMANCE

Maximum trench depth	1700mm
Ground capability	600kPa
Steering	±15 degrees

MECHANICAL

Construction	Steel chassis
Wear parts	Replaceable wear resistant steel
Other	Stainless steel fittings and housings

HYDRAULIC SYSTEM

Installed power	75 to 150kW
Cylinders.....	Smart heavy duty marine type
Valves	Directional and counterbalance
Valve packs	Oil filled, pressure compensated
Manifolds, pipes and fittings.....	Stainless steel
Hoses.....	Multi-spiral flexible hoses
ROV intervention	Hot stab capability

SUBSEA ELECTRONICS

Electronics pod	One atmosphere pressure vessel
Depth rating	300m
Test pressure.....	1.25 x working pressure

SUBSEA SURVEILLANCE

Cameras	3x cameras
Pan and tilt	1x P&T unit
OA sonar	Tritech / Kongsberg
Profiling sonar	Tritech/Kongsberg/Multibeam

OTHER EQUIPMENT

Scissor Frame	50te SWL sea state 5
Control system	in 20ft ISO A60 container
Power system	Housed within 10ft ISO A60 container
Umbilical system	typically 1200m buoyant umbilical and 3te SWL winch
Winch HPU	typically 22kW deck mounted