Engineering
Excellence
Underwater

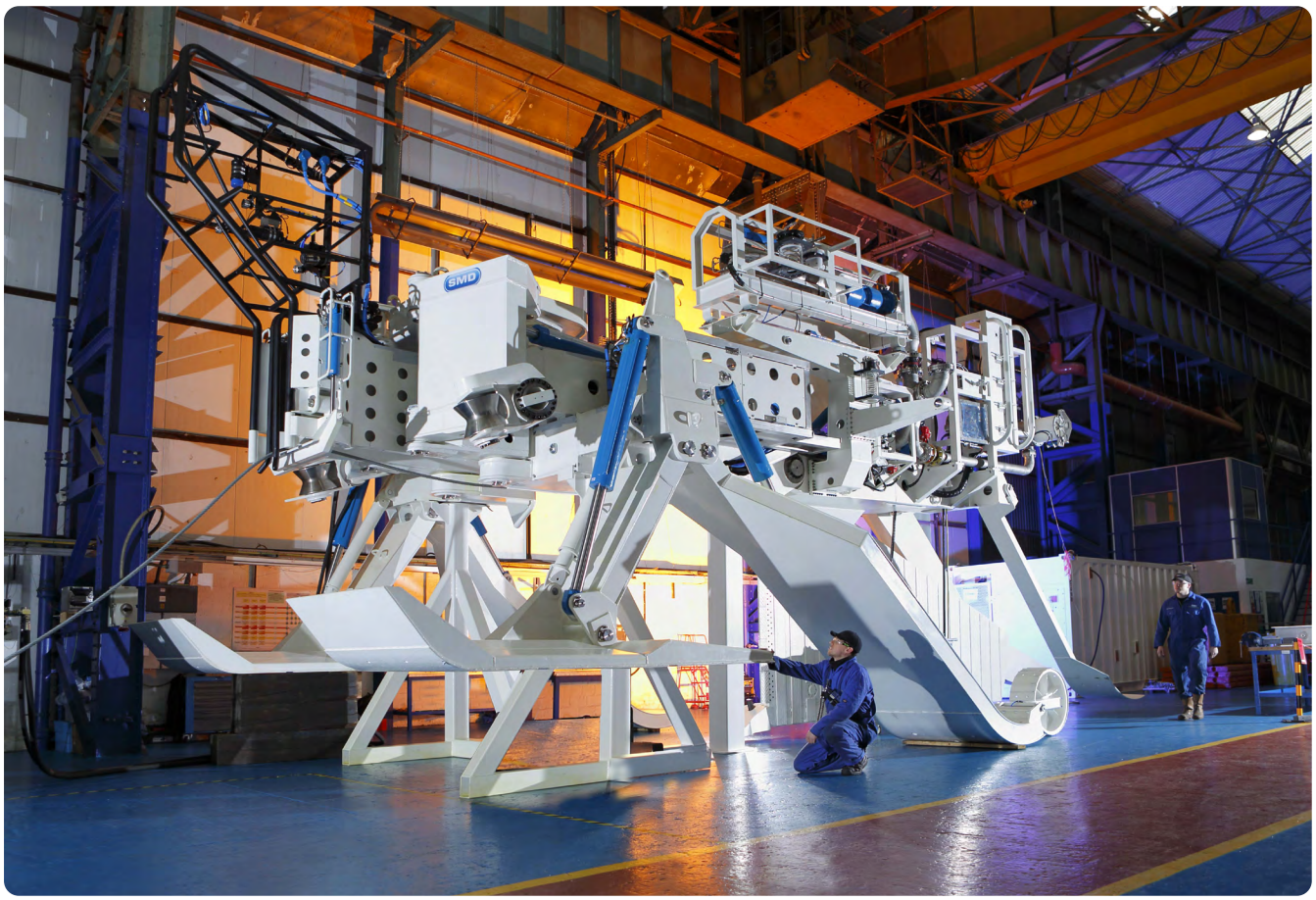
SMD HD3®

Reduce operational time

Ultimate personnel and product safety

Maximum plough stability and minimum cable handling

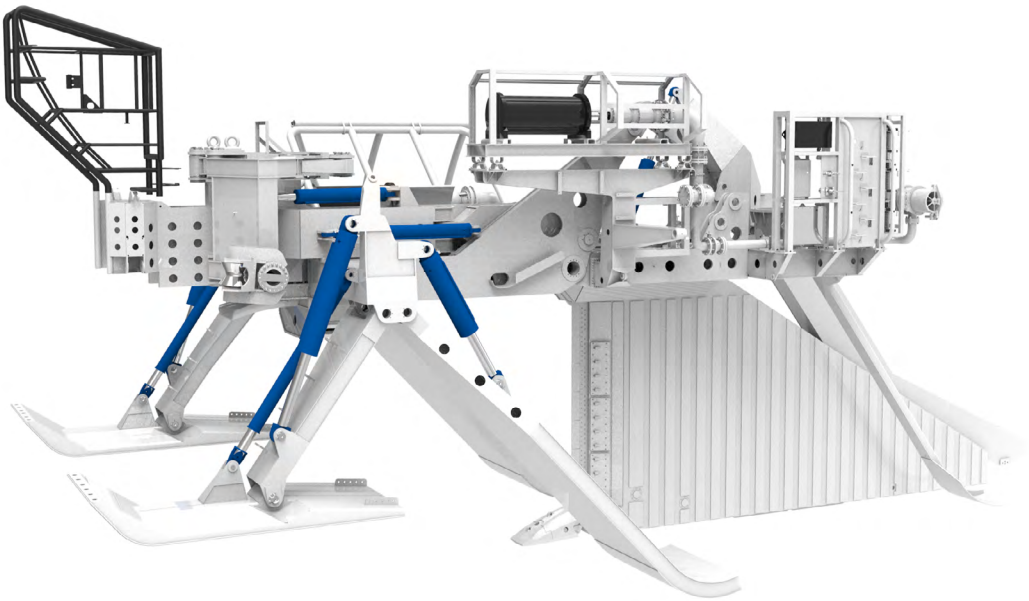
Minimal vessel fuel consumption



Designed for maximum performance.

The leading plough in the power market with unparalleled track record. Steeped in expertise, the HD range benefits from both operational and manufacturing lessons learned by the MD plough range, which is responsible for protection of 90% of the world's subsea telecoms cables.

- Capable of simultaneous and post lay burial to reduce operational time
- Ultimate safety for personnel and product afforded by diverless subsea product loading & unloading with emergency product unload
- Maximum plough stability and minimum cable handling afforded by the unique multi-depth hinged chassis design
- Minimal vessel fuel consumption due to low friction share design and jetting



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SMD HD3®
Product Specifications

GENERAL	HD3® 200	HD3® 300
Type	Power Cable Ploughs	
Depth rating	0–500 msw	
DIMENSIONS		
Length	13.5 m	15.0 m
Width	6.3 m	6.5 m
Height	6.6 m	6.6 m
Weight in air	35 Te	45 Te
Submerged weight	30 Te	39 Te
Max continuous tow load	150 Te	150 Te
PERFORMANCE		
Trench depth	3.3 m	
Max cable diameter	30–200mm	30–300 mm
Cable bend radius	4.0 m	5.0 m
Max repeater diameter	N/A	
MECHANICAL		
Construction	Steel chassis	
Wear parts	Replaceable wear resistant steel	
Other	Stainless steel fittings and housings	
TRENCHING SYSTEM		
Configuration	Symmetrical narrow share with repeater burial flaps to temporarily widen trench	
Front jet tool	N/A	
Aggressive share tip	For operations in harder ground	
XT share extension	3.3 m trench depth designed for 3.0 m cover	
Jetting	Up to 2× 265 kW as required	
TOOLING		
Cable cutter	Yes	
Cable clamp	Yes	
Cable grapnel	Yes	
INSTRUMENTS		
Instrumentation suite available	Yes	
Surveillance Suite available	Yes	
CONTROL CABIN		
Standard	Vessel integrated or housed in A60 containers	
Umbilical system	Non-buoyed umbilical cable on a rendering winch	
DECK EQUIPMENT OPTIONS		
Typical LARS System	Wide-angle A-Frame 50 Te SWL. Allows handling and towing of plough on a single wire	
HPU	2× 175 kW	
Tow winch	150 Te render, 50 Te lift	
Umbilical winch	8 Te render	
SMD ARTEMIS™ CABLE TRACKING		
Detection Range		
Passive	Up to 10 m	
Active	Up to 5 m	
Vertical measurement accuracy	+/-5% plus 5 cm	
Depth rating	2000 m	
OTHER		
Best for	High performance trenching solution for large diameter power cables	
SMD Horizon® ready?	Yes	

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SMD Customisation Service

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.

24/7 Support

Our world-class product range is backed by 24/7 support from our best-in-class SMD Support Services team, because our commitment to you doesn't stop when our product is delivered. Our end-to-end support system optimises the performance of our products giving you confidence your SMD kit will perform. For more information on our support services click here.

Turnkey Solutions

We offer turn key solution for all products, get in touch to find out more.

Sets the standard in reliable cable trenching.

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