

Tracked trencher



Key features

- Fully-modular for mobilisation
- Shore or crane-launchable
- Shallow water jet trenching operations
- All terrain, purpost built
- Reliable, field proven subsea technology
- Self propelled
- Fail safe recovery systems
- Dedicated control and suoport equipment

The shallow water tracked trencher is typically deployed for the post lay trenching and burial of subsea power, telecoms and flexible products (umbilical and pipe) located in the dynamic environment of the intertidal splash zone, out to water depths up to 50m dependant on soil conditions and project specifications.

The primary role for the tracked trencher system is flex product burial to 1.5m below sea level for shore approach cable (power and fibre optic) installations. Options for sea or riverbed investigation or remediation using vehicle mounted dredger and auger technologies can also be offered subject to detailed engineering review.

The full system is modular and can be containerised for mobilisation offering system operation from the shore or deployment and recovery from a light construction vessel (LCV) or multicat vessel. The jetter system incorporates and deploys field proven reliable subsea technologies to give efficient, cost effective performance for flex product burial to specification.

Please check exact specifications with your local representative when ordering.

Metric | International standard

Type	Length (m)	Width (m)	Height (m)	Max trenching speed
Tracked trencher	3.8	3.4 (with tracks)	2 (transit mode) 1.8 (jetting mode)	250m / hr

Tracked trencher



System components

- One off trencher vehicle
- One off SEPRO LARS frame reeler
- One off 20' control and command container
- One off 16' workshop
- One off 500 KVA generator

Vehicle data

- GNSS tower projects 2.5m above the vehicle when deployed
- Twin track hydraulic drive system - rubber tracks
- GCSA 2.8lbf / inch²
- Max trenching speed of 250m./hr subject to seabed conditions

Vehicle specification

- The vehicle is self contained and typically configured to deliver jetting operations subsea without surface fed water supply
- Two off 75hp Aquastar motors operating at 3 phase 2,200 vac
- Two off Flyblock water pumps onboard the vehicles can individually deliver 1900l/m at 8 Barg
- The mid mounted jetting swords can be articulated vertically from 0 to -45 degrees and horizontally to accommodate products up to 400mm of the product into the seabed
- Command and control is derived through a bespoke Multiplexer and GUI system
- Vehicle power is derived from a single phase 1,200 Vac transformed to 110Vac and 24Vdc supplies at the vehicle
- The control system has 8 off RS232, 8 off RS485 and 8 off Ethernet communication capabilities
- An auxiliary 10 station hydraulic valvepack is fitted to support any additional ancillary hydraulic requirements

Onboard vehicle capabilities

- 6 off PAL colour cameras (fixed)
- 6 off LED lights (780 lumen each)
- 2 off PAL colour PT cameras c/w lights

Survey capabilities

- Subsea Gyro/ Tritech Sonar, Bathy, Altimeter Profilers
- Pipetracker (TSS 350, 440)
- GNSS / INS and DVL
- Transponder/ responder for USBL

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