



Amphibious Hi-Traq® Jetter

The Hi-Traq® Jetter is an evolution of the original, field proven Hi-Traq® vehicle. The Hi-Traq® Jetter was developed as part of Royal IHC's continuous innovation strategy and looks to improve further the already impressive operational capabilities of the Hi-Traq®.

The revolutionary Hi-Traq® traction platform was designed to ensure product burial is performed in a safe and reliable manner. The platform enables a constant trench depth to be maintained independent of the seabed topography over which the vehicle is manoeuvring. Constant ground contact maintains traction performance, resulting in consistent and higher speed trenching rates through arduous topography and soil conditions. This ensures the vehicle does not impart undue forces and shapes to the product beyond its specified handling parameters.

This high traction technology has been proven through rigorous testing of a demonstration vehicle at Royal IHC's purpose built test facility along with over two years of successful trenching campaigns completed throughout the world.



Specifications

Dimensions	Width: 6.2m Length: 10.5m Height: 3.3m (Top of structure excluding bend restrictor)
Weight in air	16Te (excludes Depressor and Eductors)
Installed power	Jetting power provided by deck mounted water pumps. Hydraulic power supplied by 150kW Deck mounted HPU
Max. seabed slope	Operational Capability: +/- 20° Pitch & Roll Level Trenching Capability: +/-20° Roll Design Capacity: +/- 45° Pitch & Roll
Max. seabed step	Obstacle Climbing Capability +/- 0.5m

Min. water depth	0m Capable of shore work on land
Jetting power	Jetting power provided by deck mounted water pumps. Swords can be designed on a per project basis to suit trenching requirements.
Trench depth	0m – 3m
Jet leg separation	0.2m - 0.6m
Maximum product	Ø 450mm
Minimum turning circle	Spot turn capability Front and Rear Steering allows for 6m Radius turns with zero loss in traction
Depressor MBR	4.2m (does not have to be fitted)
Number of Tracks	4 off 2.3m Long x 1.5m Wide
Track Type	Excavator type chain and support rollers on bogies
Ground Pressure	10kPa
Cable Detection	2 off full width Royal IHC Cable detectors in Depressor TSS Cable Tracker on FWD end of vehicle

Our track record



I-Trencher (2008)

Designed and built by Royal IHC in 2008, the I-Trencher is still in operation today as one of the most productive vehicles in the market. The vehicle has buried more than 800km of cable in European waters with the focus on burring HVAC & HVDC cables for inter country connector cables, electrification of offshore installations as well as inter array and export cables for windfarms.



Hi-Traq® trencher (2020)

A subsea vehicle specifically designed to reduce project costs and product risk during the installation and burial of offshore cables. The innovative and field proven 4-track leveling system provides unrivalled manoeuvrability and traction. Since its deployment in 2020, the Hi-Traq® has buried over 200km of cable in areas where other vehicles were unable.

The Hi-Traq® is winner of multiple awards – including the prestigious British Engineering Excellence Award.