

Amphibious Hi-Traq® Jetter

Redefining shallow-water cable burial

The Amphibious Hi-Traq® Jetter is our advanced four-track subsea trencher designed for precision cable burial in challenging shallow-water conditions.

Its patented self-levelling system and independent four-track drive allow the Hi-Traq to operate when two-track trenchers cannot – reducing the risk of getting stuck and enabling safe cresting of sand waves up to 20-degrees.

The Hi-Traq Jetter's unique manoeuvrability maintains high ground contact, enabling faster trenching, consistent trench depths, and safer cable handling across uneven sea beds.

Prevent premature trench collapse



The Hi-Traq Jetter's self-levelling system ensures flat-bottomed, vertical-walled trenches without undercutting. This prevents premature collapse, reducing the need for post-trenching remedial work.

Key benefits

- ✔ Prevents trench undercutting with vertical tooling
- ✔ Reduced risk of getting stuck with four-track drive
- ✔ Easy access for trencher maintenance
- ✔ Reduced need for post-trenching remedial work
- ✔ High manoeuvrability for precise trenching routes
- ✔ Interchangeable tooling for soft ground and up to 200 kPa

Each track is driven independently with pitch, steer, roll and levelling for maximum ground contact



◀ The self-levelling system keeps the jetting or cutting tool vertical for more stable trenches

Removes risk of vehicle and cable damage when cresting and exiting steep sand waves



Specifications

Amphibious Hi-Traq Jetter	
Dimensions	
Width	6.7 m
Length	14 m
Height	5.2 m
Weight in air	22 t
Power	
Jetting power	Deck mounted water pumps
Hydraulic power	150 kW deck mounted HPU
Max. seabed slope	
Operational	± 20-degree pitch and roll
Level trenching	± 20-degree roll
Design	± 20-degree pitch and roll
Water depth	0 - 80 m
Trench depth	Up to 5 m
Max. soil strength	Up to 200 kPa (with optional cutting tool)
Max. product	Ø 550 mm
Min. turning radius	10 m with zero traction loss

One vehicle. Multiple upgrades.

The Hi-Traq Jetter is fitted with dual 3.3 m jetting swords as standard, but the vehicle's modular design supports interchangeable tooling to adapt to different soil types. Optional upgrades include 5 m jetting swords and a 200 kPa chain cutter.

For deeper waters, the central chassis can be replaced to include subsea apparatus to enable trenching at water depths of up to 1,000 m.

We work closely with you to configure the optimum tool selection for your projects, either at point of purchase or any time in the vehicle's lifecycle.

Designed for rapid mobilisation

With its tools and chassis pinned into place, breakdown of the Hi-Traq Jetter is a simple process. All modules are designed for transporting in standard 20 ft containers.

Our field-proven track record

i-Trencher

The first subsea trencher built by Royal IHC is still in operation today. Having installed more than 800 km of cable across Europe, the i-Trencher remains one of the most productive vehicles in the market.



Hi-Traq 1600

The world's first self-levelling, four-track subsea trencher redefined cable burial with its unrivalled manoeuvrability and traction. Now owned by Aratellus, the Hi-Traq 1600 has buried over 200 km of cable across terrains previously proven impossible for traditional two-track trenching vehicles.

Amphibious Hi-Traq Jetter

Purpose-built for shallow-water jetting, this Hi-Traq Jetter is 76% lighter than the Hi-Traq 1600. Featuring interchangeable tools, this latest subsea trencher offers complete flexibility with the control and power Hi-Traq is known for. It is now owned and operated by Caldwell Marine International in North America.



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