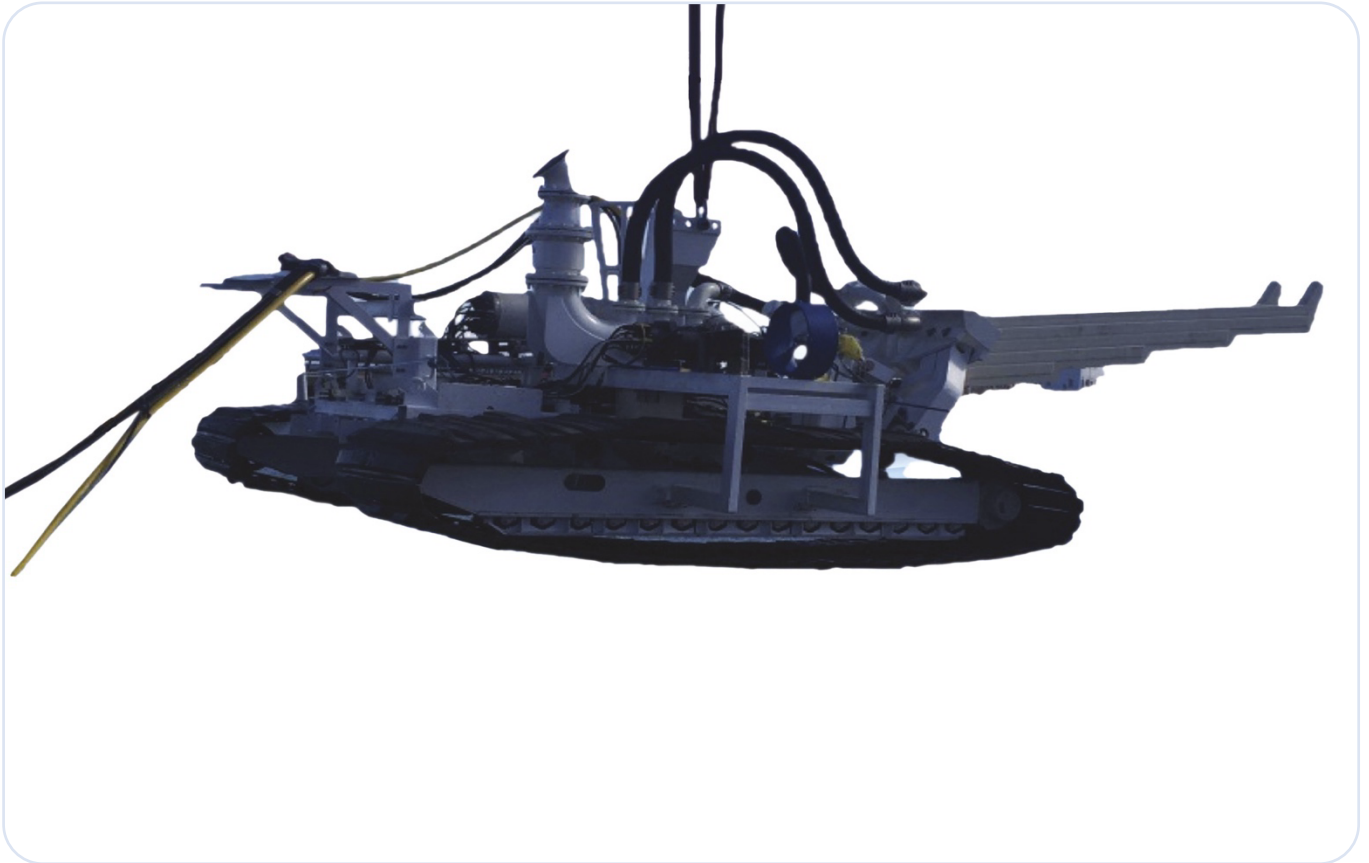


# OTTER

## BURIAL TOOL



### DESCRIPTION

The Otter is a remotely operated vehicle designed for the burial of subsea cables in shallow water environment. The vehicle is usually powered and operated from the surface support vessel and can work in water depths up to 50m.

The control system allows the system to be positioned at any convenient position on the host vessel. The umbilical system comprises an electrical control umbilical and three hydraulic hoses.

## TECHNICAL SPECIFICATIONS

### KEY FEATURES

- Self-propelled tracked vehicle
- Surface fed water jetting system
- Full Surveillance Suite
- Capabilities to handle full survey spread
- TSS Dual Track 350 & 440 Cable Detection and Tracking System

### PERFORMANCE

- Jetting power: surface supplied water jetting system, capabilities up to 4.5 m
- Forward Speed (tracked mode): 0 to 30 m/min

### CABLE DETECTION SYSTEM

- Tone Detection: Teledyn TSS 350
- Pulse detection: Teledyn TSS 440
- Other: TSS 440 frame hydraulically operated

All performance figures quoted are nominal, actual performance is dependent on environmental conditions prevailing at the time of operations.

#### GENERAL

Depth Rating	50m
Dimensions (LxWxH)	7.7 m x 4.2 m x 2.1 m
Weight in air	10 tons
Submerged weight	9 tons

#### ANCILLARY SYSTEM

Thruster	Fixed 380mm positioning hydraulic thruster for orientation control during landing
Seabed Landing Sonar	2x Trittech Gemini Sonar for landing purposes
Seabed Mapping	2x Dual Head Res MBES compatible

#### SUBSEA JETTING SYSTEM

Main Jet Tool	Twin jet swords with downward, inner facing and backwash nozzles. Nozzles layout interchangeable according to water pump configuration.
Operating pressure	5 to 15 bar (depending on surface supply system)
Water Flow	Depending to surface supply system
Trench Depth	0 to 2.4 m standard 0 to 3.0 m with extended swords
Jet Tool Width	Up to 1000 mm 5m swords Capable of 4.5m burial.

**SUBSEA ELECTRONICS**

Cameras	Up to 3 video channels (3 x colour CCD zoom, 1 x monochrome SIT, 1 x spare channel)
Lamps	6 LED
Gyro	iXBlue Octans MKIII
Sonar	OAS 1 x Trittech Super SeaKing / 1 x BlueView Sonar
Bathy / Altimeter	Trittech SK704 / Trittech PA500
Electronics Pod	Power and PLC.
Innova matrix MKII+	Power management and fiber multiplexer.