

SEAMOLE

BURIAL TOOL



DESCRIPTION

Sea Mole provides high power trenching capability for the burial of cables up to a depth 3.0m. Sea Mole is a high powered class-leading Trenching ROV with 1200HP, utilising either high flow or high pressure water jetting to optimize trenching in order to suit the seabed conditions. The vehicle can be fitted with a rear eductor, or backwash swords, to enhance burial in specific soil conditions.

Sea Mole is configured to cover a range of burial depths up to 2.5m, maintaining this depth even in strong soils. Fitted also with a Teledyne Dual Track TSS440 & 350 allowing Sea Mole to provide real-time burial data to ensure project deliverables are being met right away.

TECHNICAL SPECIFICATIONS

KEY FEATURES

- Self-propelled tracked vehicle
- Variable 1000HP (800kW) high flow or high pressure jetting for optimized trenching
- Rear eductor or backwash system
- Modular / Transportable Self-sufficient Remotely Operated Vehicle System
- Full Surveillance Suite
- TSS Dual Track 350 & 440 Cable Detection and - Tracking System
- Dedicated launch and recovering system

CABLE DETECTION SYSTEM

- Tone Detection: Teledyne TSS 350
- Pulse detection: Teledyne 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	2000m
Dimensions (LxWxH)	5.5 m x 5.1 m x 3.0 m
Weight in air	24 tons
Submerged weight	2.1 tons

PERFORMANCES

ROV Power	1200 HP (900kW) Total Power
Jetting Power	1000HP (800kW) Total Jetting Power 2 x 300kW VSD pumps 1 x 200 kW hydraulically driven pump
Forward Speed (tracked mode)	0 to 2km/h

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) 960 to 3000 m ³ /H
Water Flow	dedicated to main jet tool
Trench Depth	0 to 2.4 m standard extendable to 3.0m
Jet Tool Width	Up to 400mm

SUBSEA ELECTRONICS

Cameras	Up to 6 video channels (4 x colour CCD zoom, 1 x monochrome SIT, 1 x spare channel)
Lamps	8 x 250W dimmable 2 x DSP&L SeaLite Sphere LED
Gyro	iXBlue Octans MKIII
Sonar	OAS 1 x Trittech Super SeaKing
Bathy / Altimeter	Trittech SK704 / Trittech PA500
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