

T1500+

SPECIFICATION SHEET



JET TRENCHING ROV

The T1500+ is an advanced Jet Trenching ROV suitable for deployment in water depths to 500 m. The system is the well proven T1000 Jet Trencher, upgraded with an additional 500 hp. The 1500 hp (1125 kW) subsea power system, up to 3.5 knots current performance and 3 m maximum burial capability, provides a leading solution for burial of cables, umbilicals and flexible pipelines.

The adjustable 3 m jet tool allows for varying diameter products and splice burial whilst downward facing nozzles provides capability for burial in all cohesive soils (up to 75 kPa) and all sand grades.

The depressor arm is fitted with sensors for accurate and controlled cable burial. This high specification ensures that the T1500+ is one of the most versatile and reliable Jet Trenching ROVs available. Equipped with a High Sea State LARS Launch and Recovery system, the T1500+ can be deployed in harsh weather conditions with up to 2.5 m significant wave height.

KEY FEATURES

- OPERATING DEPTH – UP TO 500 METRES
- CONFIGURABLE FOR A WIDE RANGE OF APPLICATIONS
- HIGH SEA STATE DEPLOYMENT
- 3 METRES MAXIMUM BURIAL CAPABILITY
- SOPHISTICATED SENSORS FOR ACCURATE AND CONTROLLED CABLE BURIAL

GENERAL

MAX. OPERATING DEPTH	500 m
MAX. PRODUCT DIAMETER	990 mm
MAX. BURIAL DEPTH	3.0 m
LENGTH	5.5 m
WIDTH	5.45 m
HEIGHT	3.25 m
WEIGHT (IN AIR)	25.0 Te in tracked mode 24.0 Te in skid mode
MODES	Tracked mode Skid mode
SUBMERGED WEIGHT	4400 kg in tracked mode 3400 kg in skid mode
TOTAL POWER	1500 hp (1125 kW)

SOIL TYPE & THRUSTERS

SOIL TYPE	Suitable for a range of soil types, including sands to firm clays (up to 75 kPa)
SUBSEA POWER	2 x 250 hp (375 kW), 4 pole, 60 Hz Can run at 2 x 300hp for up to 1hr for harder soils. 2 x 250 hp (188 kW), 4 pole, 60 Hz
HORIZONTAL	6 x Curveteck HTE500
VERTICAL	4 x Curveteck HTE500
PITCH CAPACITY	15° (subject to product and seabed conditions)
ROLL CAPACITY	10° (subject to product and seabed conditions)

JETTING SYSTEM

CONFIGURATION	Twin legged jet tool that straddles the cable/pipe
TRENCH DEPTH	Variable from 0-3 m
SWORDS INTERNAL WIDTH	110-990 mm remotely adjustable, independently controlled
WATER PUMPS	Two vertically mounted, hydraulically driven water pumps. Variable speed control from surface 0-350 kW per pump in tracked mode. 1000 m ³ /hr flow @ 8 bar per Jet Leg. Two electrically driven VSD 188 kW per pump. 600 m ³ /hr @ 6 bar per Jet Leg.
NOZZLE CONFIGURATION	Each leg with an array of downward and forward directed jets, plus a backwash jet. Varying diameters to suit range of soil & operating conditions
MULTI-PASS	Single or multi-pass operation

SPECIALIST TOOLING

BACKFILL CONFIGURATION	Reconfiguration of main swords that sits in the trench with two above seabed jets designed to wash the seabed either side of the trench and collapse the soil onto the product
BACKFILL SOIL CONDITIONS	Suitable for all sand, silt and mud grades and cohesive soils up to 75 kPa
BACKWASH SYSTEM	Third set of pipes with rear facing nozzles

SURVEILLANCE EQUIPMENT

PIPE FOLLOWING	TSS Dual Track
CAMERAS	Up to 8 Cameras, 4 x Colour zoom
LAMPS	12 x Bowtech Aquavision LED lights
PAN AND TILT	4 x electric 24 V P&T or Rotator units
GYRO	Octans 3000 Unit
DEPTH SENSOR	Tritech Bathy Unit SK704/7
ECHOSOUNDER	Tritech Altimeter PA500
ACOUSTIC POSITIONING	Project Specific CNODE Mini
STROBOSCOPE	Xenon Strobe Bowtech ST3K
MULTI-BEAM SONAR	Tritech Gemini



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The T1500+ Jet Trenching ROV is not limited to these parameters and can be modified by DeepOcean to complete worksopes in excess of its current configuration.

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SPECIFICATION SUBJECT TO CHANGE WITHOUT NOTICE.

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