

T200 Trenching System



The T200 trenching ROV system provides all the features of a powerful burial system in a compact and versatile package. Configured to support post lay inspection burial and cable maintenance activities, the T200 represents state-of-the-art in deepwater trenching equipment.

The system produces 200 shaft horsepower and is capable of operations in up to 2,500 meters of water. Offering both "free fly" and "tracked" modes of operations using unique retractable track modules, the system maximizes production in varying soil and seafloor conditions.

Canyon's T200 trenchers have been configured for rapid mobilization worldwide by minimizing surface support components and deck requirements on support vessels.





APPLICATIONS

The T200 offers an effective combination of thrust and burial capability in a lightweight, compact package. An advanced composite “bagpipe” style burial system with variable depth compatibility provides optimum burial performance in soil conditions in excess of 45kPa. Alternative burial arm systems are provided for higher strength soils and deeper burial requirements. The vehicle is suitable for the following tasks:

- Cable and flowline burial
- Detection and tracking of surface-laid and buried cable
- Cable burial depth determination and logging
- Auto-follow cable tracking
- Manipulation of cable product using cutters, grippers and surface recovery lines
- Debris clearance

VEHICLE

- 200 hp
- Up to 2,500m (8,200 ft.) depth capability
- 4 x horizontal and 4 x vertical thrusters
- Max. forward speed (free flying): 1.8 knots
- Max. forward speed (tracked): 3.3 knots

Dimensions:

- Height: 2.2m (8 ft. 9 in.)
- Height (tracks deployed): 3.31m (10 ft. 11 in.)
- Length: 3.1m (10 ft. 7 in.)
- Width (excluding tracks): 2m (7 ft. 4 in.)
- Width (with tracks): 2.95m (9 ft. 8 in.)

Weight:

- Free fly configuration: 6,000 kg (13,230 lb.)
- Track mode configuration: 7,000 kg (15,435 lb.)

JETTING SYSTEM

- 2 x 90 hp hydraulically driven water pumps
- Variable output
- Lightweight and armored cable types
- 0.6m - 1m adjustable jetting arms
- 1.5m - 2m fixed bagpipe jetting arm option
- Active cable friendly depressor with depth of burial feedback
- Jetter separation 360mm
- Minimum soil bearing in tracked mode 8kPa
- Fire hose jetting system for miscellaneous burial activities

SYSTEM SENSORS AND TOOLS

- Auto altitude, heading and depth control
- Pitch and roll control
- TSS dual track cable and pipeline detection
- Dual front and rear scanning profiler systems
- 12 x 250 watt lights on 6 x dimmer circuits
- Mesotech 807 altimeter
- Orion 7-function manipulator with 6-inch claw
- Slingsby hydraulic cable manipulator with full suite of cable size jaws
- Webtool 100mm wire rope cutter
- Rotating fifth wheel sensor for tracked operations
- Automatic cable tracking system

CAMERA SYSTEMS

- SIT: Pilot vision
- Color Zoom: Pilot vision
- B/W: Lift point, burial aft and burial depressor views

LAUNCH AND RECOVERY SYSTEM (LARS)

- Dynacon Model 655 telescoping A-frame
- 60-inch sheave allowing for passage of Linksyn flotation
- Positive latch vehicle rotation assembly

A-Frame Dimensions (folded for shipment):

- Length: 8.1m (26 ft. 9 in.)
- Width: 2.6m (8 ft. 4 in.)
- Height: 3.49m (11 ft. 6 in.)

A-Frame Dimensions (maximum operational):

- Length: 13.44m (44 ft. 1 in.)
- Width: 2.6m (8 ft. 4 in.)
- Height: 11.55m (37 ft. 11 in.)
- Weight: 35,629 kg (78,550 lb.)

Specifications Subject to Change



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