



HELIX  
CANYON OFFSHORE

# TRITON ST

SPECIALITY MARINE CONTRACTING ROV SYSTEM



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# TRITON ST

## SPECIALITY MARINE CONTRACTING ROV SYSTEM



The 100 HP Triton ST is a fully capable work-class ROV system with a small deck footprint.

The **Triton ST** provides 1,000 Kg lifting capability for work skids and allows deployment of construction and ROV tools in water depths to 3,050 m. It is also equipped with flexible hydraulic power telemetry systems.

With its small footprint, reduced overall weight and increased winch line speed, the **Triton ST** is particularly well suited for deep-drill rig support or ultra-deepwater workclass ROV tasks.

The **Triton ST** offers a compact combination of thrust, payload, high through-frame lift and sensor interface to support most offshore work requirements.



### EXPERIENCE

Canyon Offshore currently operates and maintains 54 work class ROVs, 5 trenching systems, 2 ROVDrill systems and 3 DP III support vessels via strategic offices in key areas of the world.



### INNOVATION

Canyon Offshore works closely with our clients and vendors to seek and resolve complex technical developments to engineer practical solutions and implement in the most efficient, safe and economical ways possible.



### VALUE

Canyon Offshore is one of the most innovative and reliable specialty marine contractors in the world. Focusing on providing leading edge underwater, unmanned services in extreme environments, Canyon strives to deliver the highest value to its customers.



## VEHICLE SPECIFICATIONS

100 hp
Rated to 3,050 m (10,000 ft)
100 Kg (220.5 lb) Payload
6 x Thrusters in Vectored Format
Altimeter
8 x Lights
1 x SIT or low-light CCD Camera
1 x Color Zoom Camera
1 x B/W Camera
7-Function S/C Manipulator
5-Function Grabber
Digital Sonar
Strobe and Locating Beacon
Fiberoptic Multiplexing
Auxiliary pump piggy backed to main electric motor for isolated oil supply

## VEHICLE DIMENSIONS

Length	2.6 m (9 ft)
Width	1.3 m (4 ft, 3 in.)
Height	2.1 m (6 ft, 9 in.)
Weight in Air	2,948 Kg (6,500 lb)

## APPLICATIONS

The Triton ST offers a compact combination of thrust, payload, high through-frame lift, and sensor interface to support most offshore work requirements, including, but not limited to:

Drill Support
Construction Support
Platform Support
Pipeline Inspection
Deepwater Salvage
Remote Tool Deployment
Multi-Task Survey Spreads

## TETHER MANAGEMENT SYSTEM (TMS)

The Tether Management System (TMS) has been designed around a field-proven 'shuttling drum' concept that provides exceptionally simple tether routing. The complete tether drum moves on a carriage system allowing the tether to exit the drum directly above and through the payout sheave.

Capacity	300 m (985 ft)
Camera	1 x B/W
Diameter	1.7 m (5 ft, 6 in.)
Height	1.7 m (5 ft, 6 in.)
Weight	2,132 Kg (4,700 lb)

## UMBILICAL WINCH

Type	Dynacon Model 421 ST
Horsepower	100 hp Winch
Safe Working Load	8 t of safe working load
Drum Capacity	3,600 m (11,808 ft)
Umbilical Length	3,300 m (10,824 ft)

## A-FRAME

Type	Dynacon Model 6010
Capacity	12.7 t capacity fully deployed
Safe Work Load	7 t of safe working load
Positive latch and rotation	
Self-erecting A-Frame	

## A-FRAME DIMENSIONS

Reach	3.1 m (10 ft, 4 in.)
Length	12.8 m (42 ft)
Width	3.2 m (10 ft, 10 in.)
Height Fully Extended	8.9 m (29 ft, 2 in.)
Height Collapsed	3.3 m (10 ft, 10 in.)
Weight (total)	20,400 Kg (45,000 lbs)

## CONTROL CABIN & CONSOLES


Length	6.1 m (20 ft)
Width	2.4 m (8 ft)
Height	2.6 m (8 ft, 6 in.)
Weight	9,979 Kg (22,000 lbs)


## WORKSHOP & SPARES CABIN

Length	6.1 m (20 ft)
Width	2.4 m (8 ft)
Height	2.6 m (8 ft, 6 in.)
Weight	8,165 Kg (18,000 lbs)








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