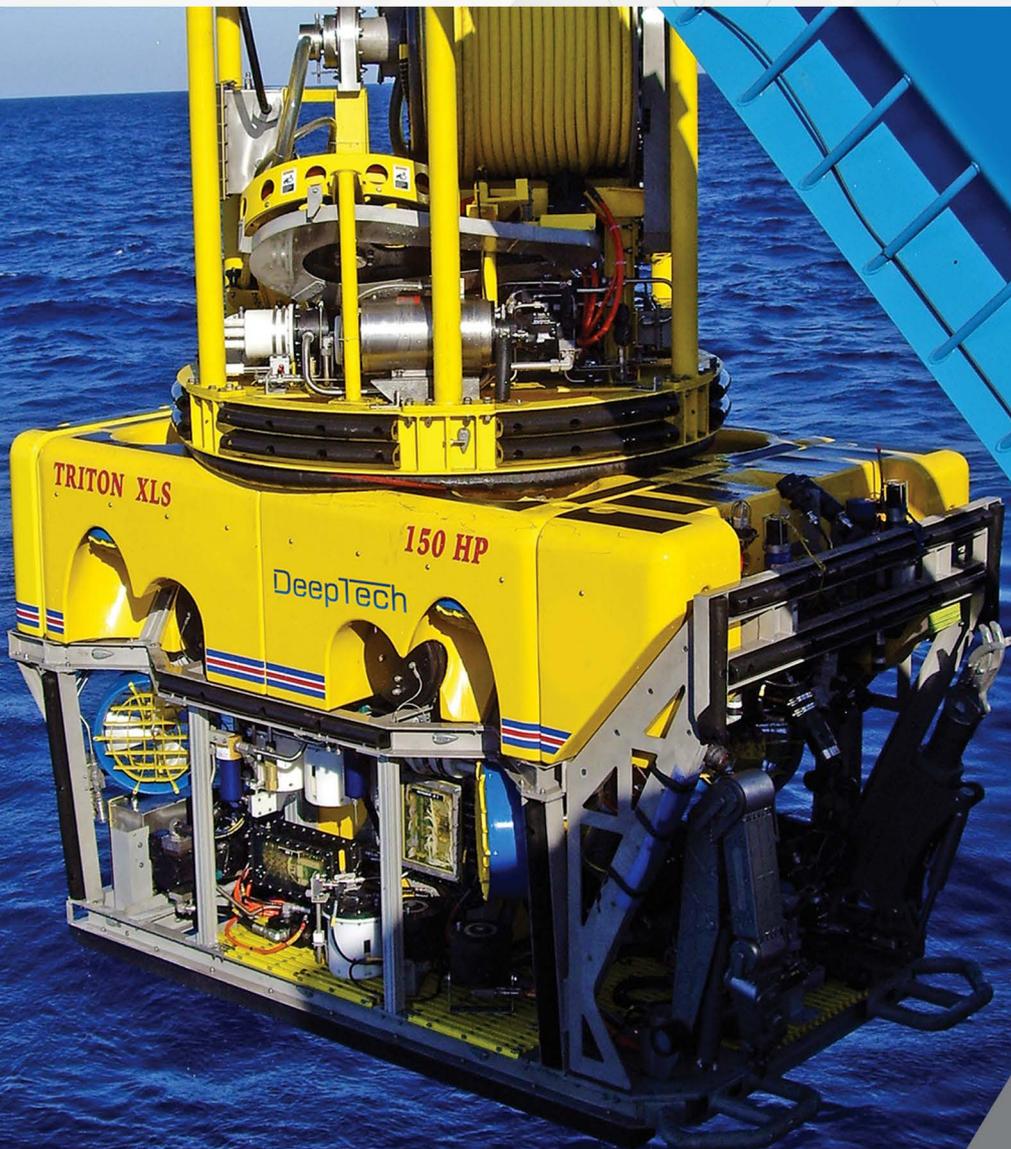


# ***TRITON XLS 53***

## ***TECHNICAL SPECIFICATION***



**DeepTech**

Part of the MCS Group  
[deeptechoilservices.com](http://deeptechoilservices.com)

## SYSTEM SUMMARY

The Triton XLS is a well-established survey class ROV and a proven performer in deep water operations in the harshest environments. These ROV systems offer a comprehensive combination of thrust, payload, through frame lift and sensor interface. For enhanced capability the XLS can be fitted with purpose-built tooling skids and a range of acoustic sensors to perform precision surveys and salvage operations.



### STABLE

A total of eight high performance 12" thrusters (4 vertical and 4 horizontal) provide symmetrical thrust in all directions.



### BESPOKE

The XLS 53 can carry more sensors and tooling than ever before including the most advanced pipeline connection tools and trenching skids available today.



### STRONG

All components and controls are proven designs with inherent reliability and endurance.

## TECHNICAL OVERVIEW

### CONTROL VAN

<b>Build Standard</b>	20 ft. EN12079
<b>Length</b>	6 m
<b>Width</b>	2.5 m
<b>Height</b>	2.6m
<b>Weight</b>	12 Tones

### WORKSHOP VAN

<b>Build Standard</b>	20 ft. ISO - L
<b>Length</b>	6 m
<b>Width</b>	2.5 m
<b>Height</b>	2.6m
<b>Weight</b>	12 Tones

### VEHICLE

<b>Depth rating</b>	3,000 / 4,000 m
<b>Length</b>	3m
<b>Width</b>	1.85m
<b>Height</b>	1.9 m
<b>Weight</b>	4.5 Tones
<b>Forward Speed</b>	3 Knots
<b>Lateral Speed</b>	2.8 Knots

<b>Power</b>	150 HP
<b>Forward thrust</b>	1,100 kgf
<b>Lateral thrust</b>	1,100 kgf
<b>Vertical thrust</b>	1,130 kgf
<b>Payload</b>	300 kg
<b>Propulsion</b>	4x Thrusters Horizontal 380 mm 4x Thrusters Vertical 305 mm

### LARS (A FRAME)

<b>Length</b>	7.3 m
<b>Width</b>	3.3 m
<b>Maximum Height (Operational / Stowed)</b>	8.9 m / 3 m
<b>Weight</b>	22.3 Tones

### TETHER MANAGEMENT SYSTEM

<b>Depth Rating</b>	3,000 m
<b>Height</b>	2.18 m
<b>Diameter</b>	1.98 m
<b>Weight in Air</b>	2.8 Tones
<b>Weight In Water</b>	1.86 Tones
<b>Drum Capacity</b>	300 m

### LARS HPU

<b>Length</b>	2.5 m
<b>Width</b>	1.8 m
<b>Height</b>	1.8 m
<b>Weight</b>	5 Tones
<b>Power Supply</b>	440V~480V,3PH, 60Hz, 200KVA

### UMBILICAL WINCH

<b>Length</b>	2.9 m
<b>Width</b>	3.2 m
<b>Height</b>	4 m
<b>Weight</b>	32.5 Tones
<b>Capacity</b>	3,000 m
<b>Speed</b>	50m/min

## SYSTEM SENSORS & EQUIPMENT

### CAMERAS

- 1x HD 1080 60i Zoom and focus
- 1x SD color 625PAL Zoom and focus
- Optional: 1 x SD Color 625PAL fixed focus
- 1x SIT/Low light
- Additional spare 4x SD camera channels

### VIDEO

- 1x Single Channel Overlay System (HD/SD)
- 2x Blackbox recording system
- 1x DVR system

### MANIPULATORS

<b>Type</b>	LHS 5-Fn Manipulator
<b>Model</b>	Perry TA-60 /Schilling Rig Master
<b>Maximum Reach</b>	1,410 mm
<b>Lift Capacity (Extended)</b>	300 Kg / 181 Kg
<b>Lift Capacity (Retracted)</b>	380 Kg / 270 Kg

### SENSORS - BUILT IN

- Digquartz Depth Sensor
- Gyro (IGC/IFG)
- DVL
- Tritech seaking Object Avoidance Sonar
- Auto Functions (Heading/Depth/Alt/Position)
- Optional: Way-Point Auto Pilot
- RS-232485/ Comms channels for external sensors interface

### LIGHTS

- 10x 250W Dimmable 110VAC lights (Halogen/LED)
- 2x 125W Switched HID lights (Optional)

<b>Type</b>	RHS 7-Fn manipulator
<b>Model</b>	Schilling T4
<b>Maximum Reach</b>	1,916 mm
<b>Lift Capacity (Extended)</b>	122 Kg
<b>Lift Capacity (Retracted)</b>	450 Kg

\*All of our ROVs can be customized and integrated with the MCS product-line including the 3D Photo Realistic Cloud (3D PRC) and the Platform and Pipeline Commander systems for fast and accurate data which is easy to access and share.



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