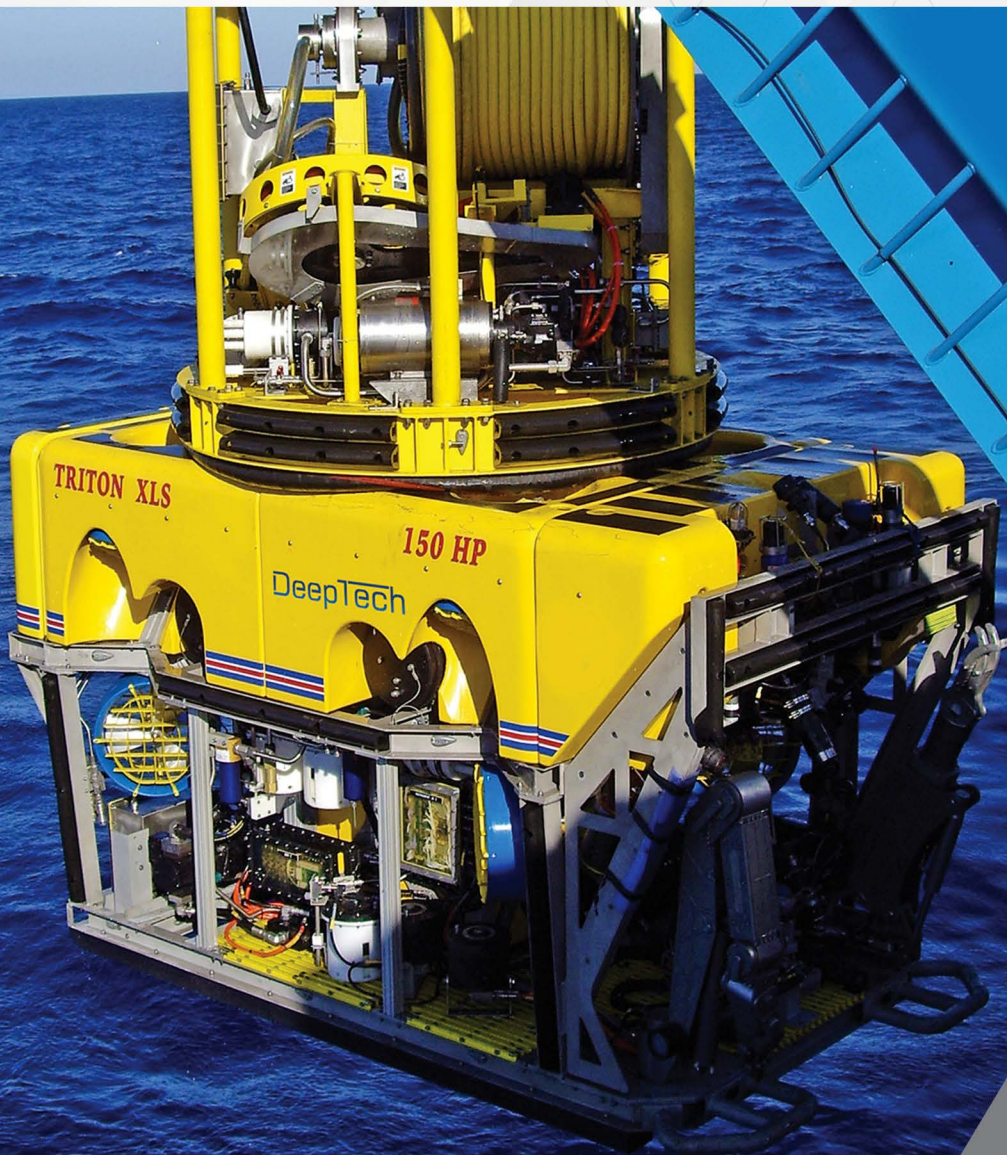


# **TRITON XLS 53**

## **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

|                |                |
|----------------|----------------|
| Build Standard | 20 ft. EN12079 |
| Length         | 6 m            |
| Width          | 2.5 m          |
| Height         | 2.6m           |
| Weight         | 12 Tons        |

### WORKSHOP VAN

|                |                |
|----------------|----------------|
| Build Standard | 20 ft. ISO - L |
| Length         | 6 m            |
| Width          | 2.5 m          |
| Height         | 2.6m           |
| Weight         | 12 Tons        |

### VEHICLE

|               |                 |
|---------------|-----------------|
| Depth rating  | 3,000 / 4,000 m |
| Length        | 3m              |
| Width         | 1.85m           |
| Height        | 1.9 m           |
| Weight        | 4.5 Tons        |
| Forward Speed | 3 Knots         |
| Lateral Speed | 2.8 Knots       |

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

### LARS (A FRAME)

|                                           |             |
|-------------------------------------------|-------------|
| Length                                    | 7.3 m       |
| Width                                     | 3.3 m       |
| Maximum Height<br>(Operational / Stowed ) | 8.9 m / 3 m |
| Weight                                    | 22.3 Tons   |

### TETHER MANAGEMENT SYSTEM

|                 |           |
|-----------------|-----------|
| Depth Rating    | 3,000 m   |
| Height          | 2.18 m    |
| Diameter        | 1.98 m    |
| Weight in Air   | 2.8 Tons  |
| Weight In Water | 1.86 Tons |
| Drum Capacity   | 300 m     |

### LARS HPU

|              |                                |
|--------------|--------------------------------|
| Length       | 2.5 m                          |
| Width        | 1.8 m                          |
| Height       | 1.8 m                          |
| Weight       | 5 Tons                         |
| Power Supply | 440V~480V,3PH, 60Hz,<br>200KVA |

### UMBILICAL WINCH

|          |           |
|----------|-----------|
| Length   | 2.9 m     |
| Width    | 3.2 m     |
| Height   | 4 m       |
| Weight   | 32.5 Tons |
| Capacity | 3,000 m   |
| Speed    | 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.



+202 22870291 +202 22720216  
 info@deeptechoilservices.com  
[deeptechoilservices.com/contact-us](https://deeptechoilservices.com/contact-us)