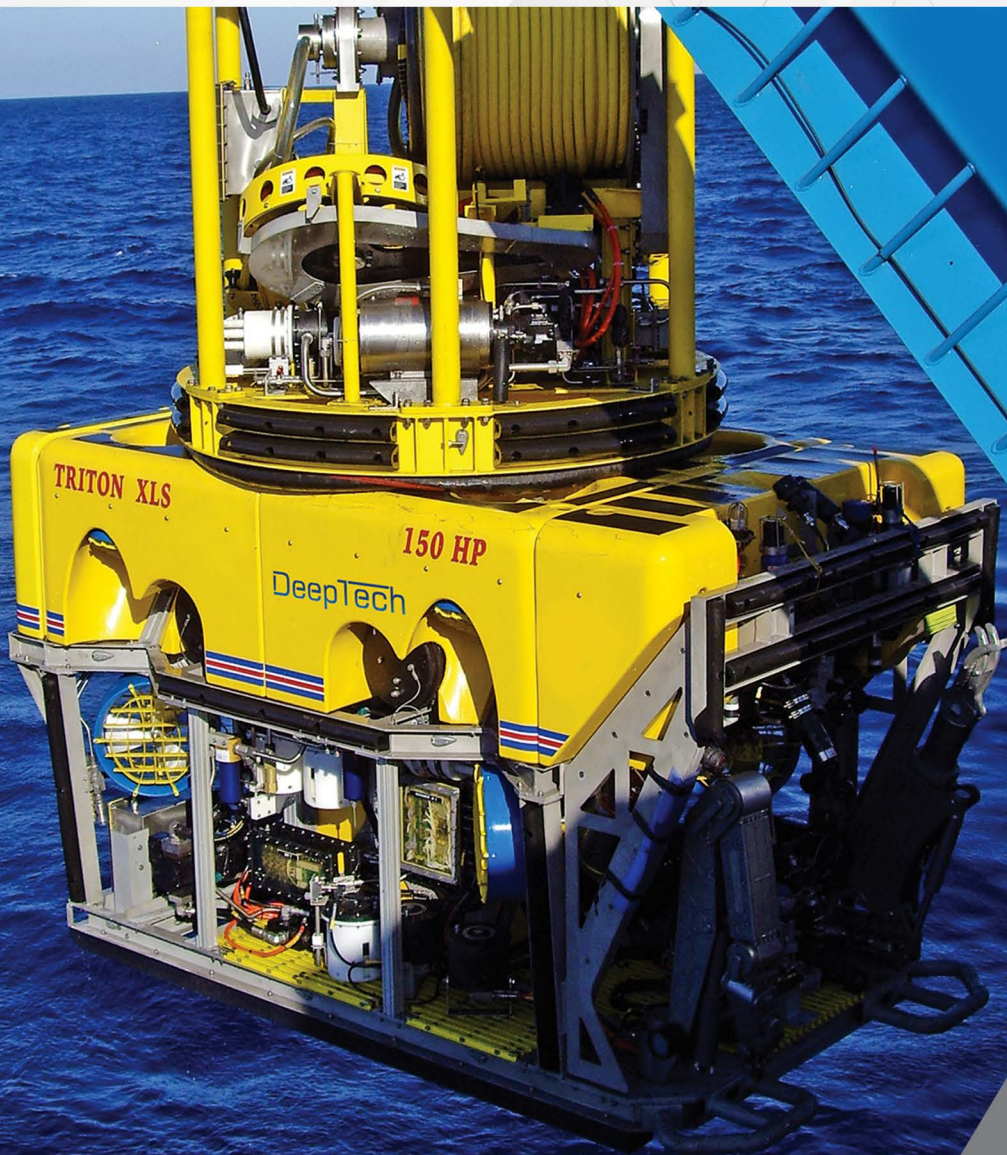


TRITON XLS 53

TECHNICAL SPECIFICATION



DeepTech

Part of the MCS Group
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 Tones

WORKSHOP VAN

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

VEHICLE

Depth rating	3,000 / 4,000 m
Length	3m
Width	1.85m
Height	1.9 m
Weight	4.5 Tones
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 4x Thrusters Vertical 305 mm

LARS (A FRAME)

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

TETHER MANAGEMENT SYSTEM

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

LARS HPU

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

UMBILICAL WINCH

Length	2.9 m
Width	3.2 m
Height	4 m
Weight	32.5 Tones
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

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)

MANIPULATORS

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

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