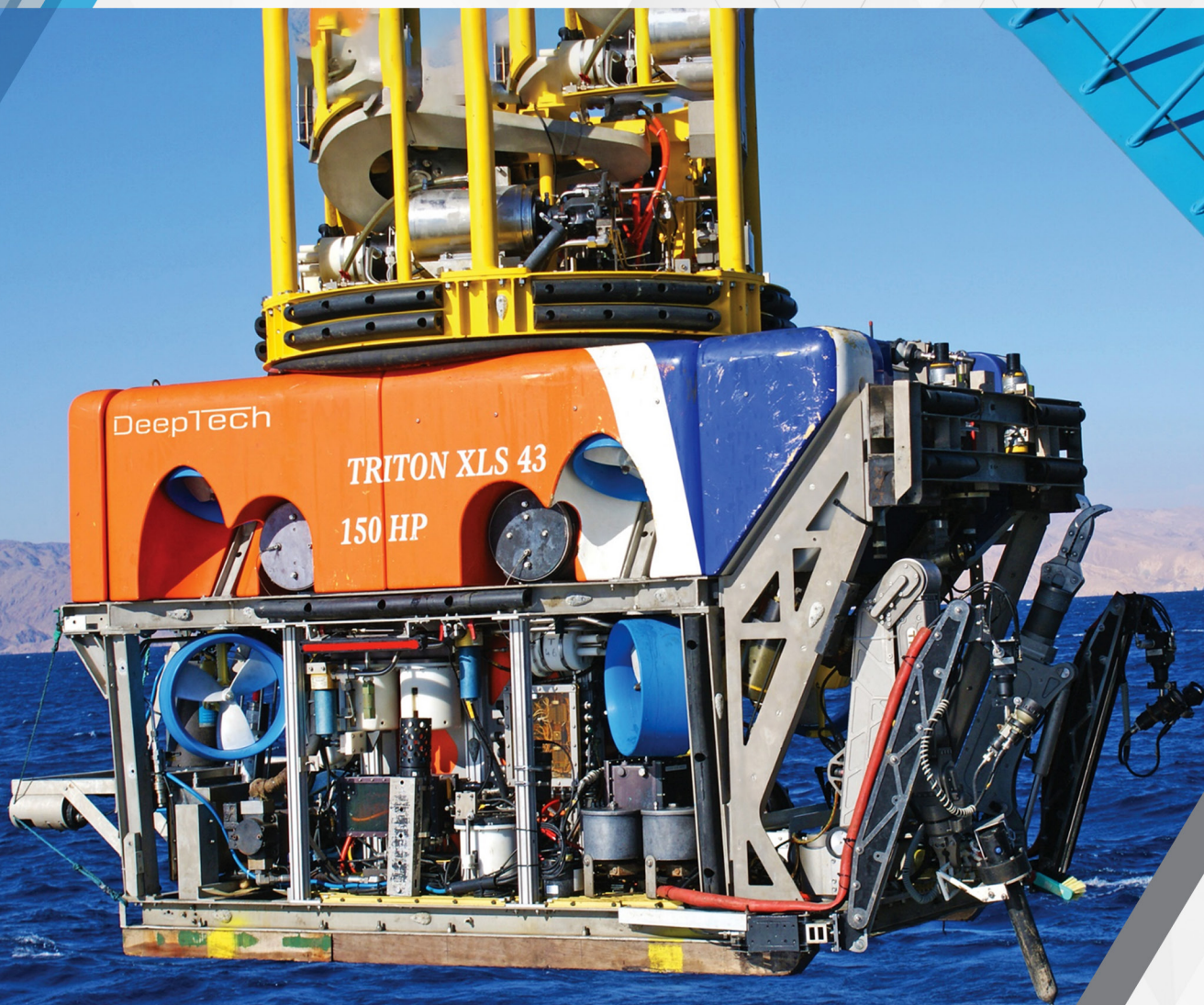


TRITON XLS 43

TECHNICAL SPECIFICATION



DeepTech

Part of the MCS Group
deeptechoilservices.com

SYSTEM SUMMARY

The Triton XLS is a well-established Work class ROV and a proven performer in deep water operations in the harshest environments up to 3000 m. These ROV systems offer a comprehensive combination of 1X7 Function Manipulator, 1X5 Function Manipulator, 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 43 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

20 ft. EN12079	20 ft. EN12079
6 m	6 m
2.5 m	2.5 m
2.6m	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 msw
Length	3m
Width	1.85m
Height	1.89 m
Weight	4.4 Tons
Forward Speed	3 Knots
Lateral Speed	3 Knots

Forward thrust	1,100 kgf
Lateral thrust	1,100 kgf
Vertical thrust	1,050 kgf
Payload	250 kg
Propulsion	4x Thrusters Horizontal 280 mm 4x Thrusters Vertical 305 mm

LARS (A FRAME)

Length	8 m
Width	2.9 m
Height	2.44 m
Weight	16 Tons

TETHER MANAGEMENT SYSTEM

Depth Rating	3,000 msw
Weight in Air	3266 Kg
Weight In Water	1,450 Kg.
Electrical HP	10 HP
Drum Capacity	380 m

UMBILICAL WINCH

Length	3 m
Width	2.9 m
Height	3.435 m
Weight	32 Tons
Capacity	3,000 m
Speed	70m/min
Power Supply	440V~480V,3PH, 60Hz, 510KVA

LARS HPU

Length	2.5 m
Width	1.8 m
Height	1.8 m
Weight	5 Tons

SYSTEM SENSORS & EQUIPMENT

CAMERAS

- 1x Kongsberg Simrad (OE 15100-a Near SIT)
- 1x Kongsberg Simrad (OE 14 366 Color Zoom)
- 2x Kongsberg Simrad (OE 15- 358 & 14376-)

VIDEO

- 1x Single Channel Overlay System
- 2x DVD / VCR recording System

LIGHTS

- 2 x Simrad SeaArc 5000 HID lights
- 6 x Standard halogen deepwater Lights

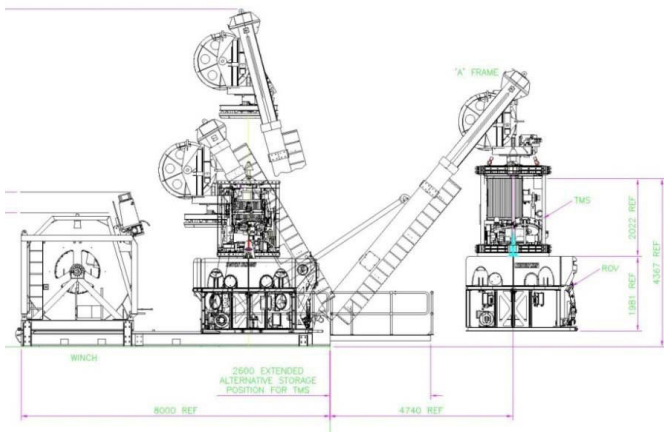
MANIPULATORS

Type	1x 5 Function Manipulator – PSSL TA60
Maximum Reach	1,410 mm
Shoulder Slew	110°
Shoulder Pitch	100°
Extend	300 mm
Wrist Rotate	Continuous
Jaw Size	285 mm
Lift Capacity (Extended)	300 Kg
Lift Capacity (Retracted)	380 Kg
Wrist Rotate Torque	400 Nm
Jaw Grip Force	3,500 N

SENSORS – BUILT IN

- 1x Digquartz Depth Sensor(Panarografic)
- 1x Gyro Compass (Watson)
- 1x Pitch and Roll Transducer(Watson-AHRS-24)
- 1x DVL (Teledyne-WHN 1200)
- 1x Novatech flasher
- 1x Novatech RF Beacon
- 1x Tritech SeaKing sonar head S6332
- 1x Gyro and Motion Reference Unit (IGC& IFG)

Type	1x 7 Function Manipulator – Titan 4
Maximum Reach	1916 mm
Lift at full extension	122 kg
Maximum lift	454 kg
Maximum gripper opening	97 mm
Grip force	4,448 N
Wrist torque	170 Nm
Wrist Rotate	continuous
Azimuth Rotary	240°
Shoulder pitch Linear	120 °
Elbow pitch Rotary	270 °
Wrist pitch Rotary	180 °
Wrist yaw Rotary	180 °



*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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