

# Triton<sup>®</sup> T750



## Cable and Pipe Burial ROV

■ Depth Rating	1500 MSW
■ Power	750 HP
■ Control System	Single Mode Fibre Optic PC Based
■ Burial Performance	Up to 3.0 m Burial 1 m @ 100 Kpa
■ Pressure & Flow Water Jetting System	Variable
■ Lift Point	Variable
■ Soil Erosion System	Water Jetting System
■ Trench Backfill System	Water Jetting System



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Specifications		Spare Data Transmission	
<b>Depth Capacity</b>	1500 MSW (Deeper options on request)	<ul style="list-style-type: none"> <li>-Real-time video channels available (8)</li> <li>-Spare fibre optic interface card slot (1)</li> <li>-Customer solenoid valve drivers (pre-wired) (9)</li> <li>-Customer digital out (8)</li> <li>-Customer digital in (8)</li> <li>-Customer analog out (4)</li> <li>-Customer analog in (8)</li> <li>-Full duplex RS232 @ 115 kbps data channels (4)</li> <li>-Full/half duplex RS485/422/232 @ 115 kbps channels (4)</li> </ul>	
<b>Thruster Configuration</b>	<ul style="list-style-type: none"> <li>-Four 500mm diameter high performance horizontal thrusters in quad arrangement</li> <li>-Four 500mm diameter high performance vertical thrusters</li> </ul>	<b>Jetting System</b>	
<b>Maximum Speed</b> (Free flying)		<ul style="list-style-type: none"> <li>-Electrically driven HP water pumps (2) 4200 LPM max flow 14 bar max pressure</li> <li>-Hydraulically driven HP Water pumps (1) 11800 LPM max flow 14 bar max pressure</li> <li>-Hydraulically driven LP Water Pumps (2) 8000 LPM max flow 5 bar max pressure</li> <li>-Rear mounted "bagpipe" cable burial tool and cable depressor option</li> </ul>	
Forward	2.25 knots	<b>Pipeline Burial Capabilities</b>	
Lateral:	1.9 knots	<ul style="list-style-type: none"> <li>-Pipe Size Range – 150 to 600mm (diameter). Options available to 600mm on request</li> <li>-Cohesive Soil – Up to 100kPa</li> <li>-Non-Cohesive Soil – Sand, Silt and Gravel to 30mm</li> <li>-Burial Depth – 1.0m to 3.0m (depending on soil conditions)</li> <li>-Burial Speed – 350 to 2000 m/hr (depending on soil conditions and burial depth)</li> </ul>	
<b>Maximum Speed</b> (Tracked)		<b>Track System</b>	
Forward:	50-2500 m/hr	<ul style="list-style-type: none"> <li>-Underwater Tracks, hydraulic driven (2)</li> <li>-Minimum Soil Strength – 3.5 kPa Shear Strength</li> </ul>	
<b>Dimensions</b> (Maximum)		<b>Optional Pipe Capture System</b>	
Width:	5130 mm	<ul style="list-style-type: none"> <li>-Front and rear driven pipe gripping rollers to provide motive force along pipeline during burial operations (2)</li> <li>-Both roller systems include raise/lower deployment mechanism to adjust ROV height off pipeline</li> </ul>	
Length:	7781 mm	<b>Additional Sensor and Tool Equipment</b>	
Height:	3113 mm	<ul style="list-style-type: none"> <li>-Scanning Sonar</li> <li>-Radio Beacon</li> <li>-Master/Slave or Rate Manipulators</li> <li>-Cable Cutter &amp; Gripper</li> <li>-Cable Location System</li> <li>-Navigation System</li> <li>-Dredge Pump</li> <li>-Strobe Flasher</li> <li>-Control/Work/Storage Vans</li> <li>-Umbilical Winch</li> <li>-Launch &amp; Recovery System</li> </ul>	
<b>Vehicle Air Weights</b> (in 200 kg payload)			
Skid Configuration:	22000 kg		
Tracked Mode Configuration:	23000 kg		
Pipe Running Mode Configuration:	23000 kg		
<b>Propulsion System</b>			
- 187 kW/250 HP Electrohydraulic power units (1)			
- Horizontal thrusters (4)			
- Vertical thrusters (4)			
<b>Hydraulic Manifolds</b>			
- Thruster control manifold (Servo Valves) (1)			
-General Functions Valve Packs-12 functions/pack max output flow 15 lpm/function: max pressure 210 bar (4)			
-Proportional control manifold, 5 function (tracks, LP water pumps and depressor) (1)			
4 station valve manifold			
<b>Lighting System</b> (3000 watts total)			
-250 watt lights, 2 per dimming circuit standard (12)			
<b>Depth Sensor</b>			
-High accuracy sensor, 0.1% over full scale for depth			
<b>Control System</b>			
-ROV Surface control-Pentium PC based, database driven software and real-time operating system			
-ROV subsea control-Pentium PC based,			
Data Sheet: A001-350-053 Issue 3			

The specification details are illustrative for marketing purposes only. Actual equipment may be different as a result of product improvement or other reasons. Specific interface and performance information should be reconfirmed at time of order placement.

