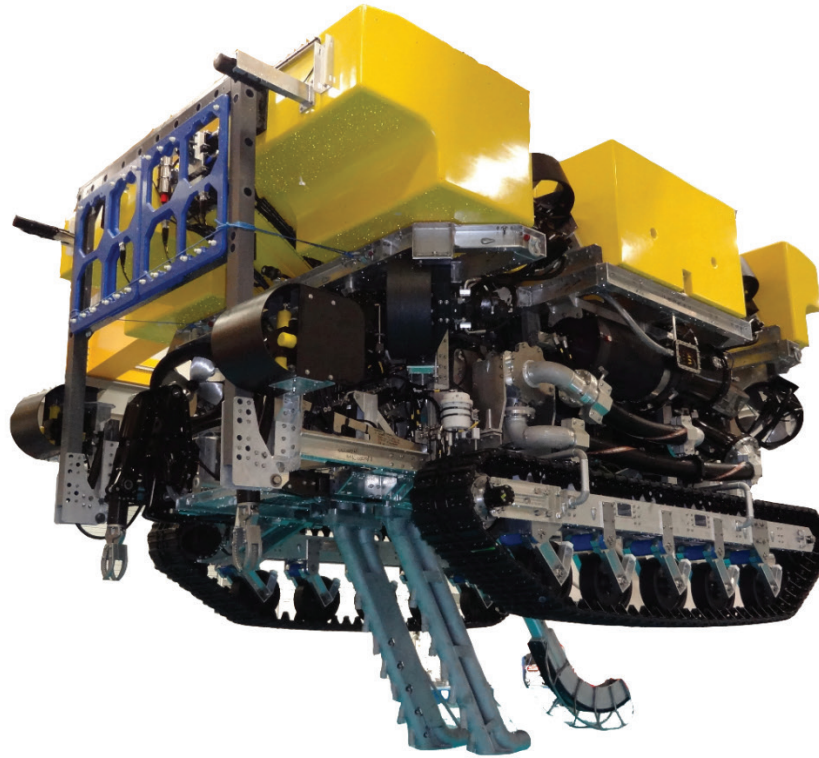


Trencher



Perry® XT600 Trencher – Cable Burial ROV

Depth Rating	3000 msw
Power	600 HP
Control System	ICE Real Time Control System with GB Telemetry & Graphical Diagnostics
HP & LP Pressure & Flow Jetting System	Variable
Burial Capacity	Up to 3.0 m Burial
Maximum Opening Between Tool Swords	400 mm
Length (excluding tools)	5890 mm
Width (including tracks)	3600 mm
Height (tracks down)	3300 mm
Vehicle Air Weight	16750 kg
Vehicle Water Weight	0 kg / 1500 kg (Skid / Track Mode)

Perry® XT600

Trencher

Basics

Length:	5890 mm
Width:	3600 mm
Height:	3300 mm
Depth Rating:	3000 m
Weight in Air:	17000 kg
Weight in Water (Tracks):	1000 - 1500 kg
Weight in Water (Skids):	0-500 kg
Thrusters Horizontal:	4 x 500 mm Ø
Thrusters Vertical:	4 x 500 mm Ø

Maximum Speed (Free Flying)

Forward:	1.55 knots
Lateral:	1.0 knots

Maximum Speed (Tracked)

Forward:	2130 m/hr
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Bollard Pull (Calculated)

Forward:	2000 kgf
Lateral:	2000 kgf
Vertical:	3000 kgf

Auto Functions

Auto Heading Control:	Automatic to $\pm 2.0^\circ$
Auto Tracking Control:	Automatics to $\pm 2.0^\circ$
Depth Control:	Automatic to ± 100 mm
Altitude Control:	Automatic to ± 100 mm

Trenching

Product Size:	50 – 360 mm Ø
Sword Separation:	100 – 400 mm Ø

Jetting Tools

Cable Burial Tool:	1 m, 2 m & 3 m
Depressor:	1 m, 2 m & 3 m
Optional Cable Recovery Hook	

Water System

LP (x2) or HP (x2) water pumps driven by variable hydraulic motors	
Total HP Output:	5,000 l/min @ 16 bar max pressure 16,000 l/min @ 8 bar
Total LP Output:	17,000 l/min @ 6 bar max pressure 35,000 l/min @ 1 bar max flow

Hydraulic System

HPU	2 x 300 HP (Shaft) 4160 V 4 pole 60 Hz
Thruster Manifold	2 x 12 Station Prop NG3
General Function Manifolds	3 x 12 Station Prop NG3
Track Manifold	1 x 2 Station Prop NG6

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.

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Camera & Lighting System

- Low Light Camera (x1)
- Colour Cameras with Focus and Zoom (x6)
- LED Lights, 2 per dimming circuit standard (x12)
- 4 off Hydraulic Pan & Tilt Units

Equipment Fit

- Gyro / Fluxgate Compass
- Pitch / Roll Sensor
- Digiquartz Depth Sensor
- Sonar (Dual Frequency)
- Altitude Sensor
- Product Location / Tracking System (TSS 440/350)
- Responders (Provision for 2 off)
- Manipulators (2 off TA40 Rate)
- Optional Emergency RDF Beacon
- Optional Emergency Strobe Flasher
- Optional Profiler Dual Frequency

Sensors

- Hydraulic Pressures and Temperatures
- LP & HP Water Pressure
- Water Detection and Insulation Monitoring
- Compensation Levels
- Track Speed and Pressure
- Burial Tool Angles, Width and Forward Loads
- Depressor Angles, Load and Cable Present

Control Systems

- Utilizes the evolutionary ICE Integrated Control Engine
- Fully redundant Windows based HMI Computers
- Dedicated real-time controllers
- Intuitive Graphic User Interface (GUI)
- Advanced graphical interactive diagnostics
- User compatible GUI
- Ergonomic pilot / co-pilot control consoles & touch screen control interfaces
- 4 x 40" HD Plasma video wall

Data Transmission

- Single mode fibre optic video and data multiplexer
- Real-time video channels available (8)
- Full Duplex RS232 @ 115 kbps data channels (4)
- Full / half Duplex R485 / 422 / 232 channels (4)

Additional Tool Equipment

- Cable Cutter
- Cable Gripper
- Fire Hose

Launch & Recovery System

Capability	Sea State 6
Capacity	3300 m
Outreach	3.8 m
Lifting Speed	30 m / min on bottom layer

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