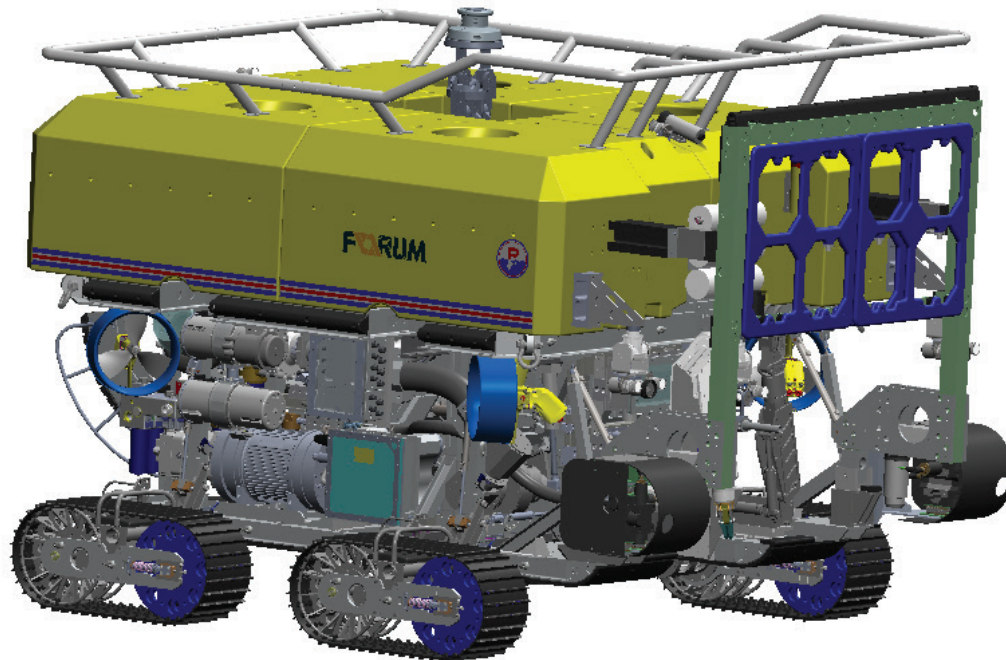


## Trencher



### **Perry® XT500 Trencher – Cable Burial ROV**

Depth Rating	3000 msw
Power	500 HP
Control System	ICE Real Time Control System with GB Telemetry & Graphical Diagnostics
HP Pressure & Flow Jetting System	Variable
Burial Capacity	Up to 3.0 m Burial
Maximum Opening Between Tool Swords	400 mm
Length (excluding tools)	4670 mm
Width (including tracks)	3730 mm
Height (tracks down)	3120 mm
Vehicle Air Weight	10420 kg
Vehicle Water Weight	0 kg / 500 kg (Skid / Track Mode)

# Perry® XT500

## Trencher

### Basics

Length:	4670 mm
Width:	3730 mm
Height:	3120 mm
Depth Rating:	3000 m
Weight in Air:	10420 kg
Weight in Water (Tracks):	500 kg
Weight in Water (Skids):	0-500 kg
Thrusters Horizontal:	4 x 380 mm Ø
Thrusters Vertical:	4 x 300 mm Ø

### Maximum Speed (Free Flying)

Forward:	3 knots
Lateral:	2.3 knots

### Maximum Speed (Tracked)

Forward:	2130 m/hr
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### Bollard Pull (Calculated)

Forward:	1100 kgf
Lateral:	1100 kgf
Vertical:	900 kgf

### Auto Functions

Auto Heading Control:	Automatic to $\pm 2.0^\circ$
Auto Tracking Control:	Automatics to $\pm 2.0^\circ$
Auto Position:	Automatic to $\pm 250$ mm
Depth Control:	Automatic to $\pm 150$ mm
Altitude Control:	Automatic to $\pm 150$ 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

### Water System

HP (x2) water pumps driven by variable hydraulic motors	
Video, Serial, Power & Fibre Optic Channels	
Total HP Output:	3,500 l/min @ 14 bar max pressure 6,600 l/min @ 8 bar

### Hydraulic System

HPU	2 x 250 HP (Shaft) 4160 V 4 pole 60 Hz
Thruster Manifold	1 x 16 Station Prop NG3
General Function Manifolds	2 x 16 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)
- 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 (2x TA40 Rate)
- Optional Emergency RDF Beacon
- Optional Emergency Strobe Flasher
- Optional Profiler Dual Frequency

### Sensors

- Hydraulic Pressures and Temperatures
- 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

### Launch & Recovery System

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

### FORUM SUBSEA TECHNOLOGIES

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