

# UTV400 Trenching ROV



The UTV400 is capable of undertaking all aspects of cable maintenance, seabed survey and cable burial work of long duration, at depths down to 2,500 metres.

# Creating trench depths of up to 2m, the UTV400 is a capable and versatile tracked trenching vehicle that has a proven track record in the offshore cable trenching market.

The system is capable of performing works from the shore end (5m WD) right through to 2,500m water depth. The UTV400 jetting tools can be changed out at sea depending on project requirements and can work to a minimum jetting speed of 100m/h even in firm seabeds. Integrated surface feed option for operation from 0 - 20m water depth.

The system is supplied with an extensive strategic spares package, with options for cable tracking system and ancillary survey sensor.

## UTV400 DETAILS:

### Operating Depth:

5 - 2500m  
0 - 20m Surface Feed Option

### Dimensions:

L 4.3 x W 3.2 x H 2.8m Free-Fly mode  
L 4.3 x W 3.7 x H 2.65m Tracked mode

### Weight in Air:

8000kg Free-Fly mode  
9200kg Tracked mode

### Weight Submerged:

50kg buoyant Free-Fly mode  
750kg heavy Tracked mode

### Max Bollard Pull:

1000kg

### Thrust Capabilities:

1.5kt in any vector

### Vehicle Power:

1 x 300kW electro-hydraulic power pack  
3.3kV 4 pole 1760 rpm

### Cameras:

2 x Low Light Monochrome Cameras  
3 x Black and White Tooling Cameras

### Lighting:

2 x Halogen Lamp  
5 x LED Lamp

### Pan & Tilts:

3 x Sub Atlantic 0058-MAF Pan & Tilt  
1 x Sub Atlantic 0245-MAF Tilt Rotator

### Transponders/Responders:

1 x Responder (Trigger & Power)  
1 x Transponder (Power)

### Manipulators:

2 x 7 function Conan Feedback  
Manipulators

### Cable Cutter:

1 x Webtool WCD 75D  
1 x Webtool WCO 38  
1 x Stanley GR29 Grinder

### Cable Gripper:

1 x Slingsby TA17, complete set of jaws

### OA Sonar:

Kongsberg 1071 Sonar

### Cable Tracking System:

TSS440 deployment frame

### Depth Sensor:

Digi Quartz depth sensor

### Gyro:

Watson Industries solid state gyro

### Altitude:

0-30m Altimeter

### Pressure Transducers:

4 x System Pressure  
3 x Water Pressure  
1 x Ambient Pressure

### Linear Transducers:

Oil reservoir volume  
1 x Jetting Tool depth  
1 x Target Aquisition Arm depth  
2 x Jet leg seperation

### Water Ingress:

1 x Oil reservoir  
6 x Valve tanks  
4 x Electrical Junction Boxes  
2 x Electronics Pod

### Cable Detection:

2 x Proximity sensors (Target Aquisitions  
Arm Mounted)

### Configuration:

Twin articulated jet legs  
Target Aquisition Arm (1m)  
Fwd mounted pre-cut tool

### Water Pump:

3 x Variable speed hydraulically driven  
single stage water pumps  
Single 4 bar Water Pump (67kW)  
Twin 8 bar Water Pump (67kW each)  
6,000LPM/ pump, 15,000LPM Maximum

### Power Consumption:

100 - 200kW

### Burial Tool Control:

Depressor 0 - 1.0m  
Tool width 0.25 - 0.55m  
Tool depth 0 - full depth (tool dependent)  
1.0/ 1.5 & 2.0m tools available

### Trench Capability:

2m depth soil dependent  
100kPa maximum @ 1m

### Optional:

Bathymetric System  
Dual Profilers  
Fibre Optic Gyro  
Doppler Velocity Log  
Internal Navigaton System  
TSS440/ 350 Tracking System  
3m Burial Tool

## Get in touch

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