

# TRENCHER T2

SPECIFICATION SHEET



## TRENCHER T2

## KEY FEATURES

The T2 trencher is a dual mode tracked vehicle with a proven track record for the burial of pipelines, flowlines, umbilicals and submarine cables.

T2 can be adapted to operate in 2m chain cutting mode, 2m jetting or a 3m jetting mode with backwash capability. This offers numerous solutions for product burial and to meet specific client requirements.

The trencher can be used as part of a simultaneous lay and burial solution in multiple soil conditions and water depths.

T2 can work in a number of markets including, but not limited to, Oil and Gas, Power Transmission and Offshore Renewables.

- SIMULTANEOUS OPERATIONS
- EASILY AND QUICKLY ADAPTABLE FOR A VARIED RANGE OF MODES INCLUDING CUTTING AND JETTING
- BACKFILL ATTACHMENT
- TRENCH DEPTHS UP TO 2.0M CUTTING AND 3.0M JETTING

The Trencher 2 is not limited to these parameters and can be modified by DeepOcean to complete worksopes in excess of its current configuration.

## SPECIFICATION SHEET

### PARTICULARS

<b>OPERATING DEPTH</b>	1500m
<b>MAX. PRODUCT DIAMETER</b>	500mm
<b>TRENCH DEPTH</b>	2.0m (cutting) 3.0m (jetting)
<b>DIMENSIONS WITHOUT TOOLS (L x W x H)</b>	8m x 7.5m x 4.5m
<b>DIMENSIONS WITH JETTER (L x W x H)</b>	13m x 7.5m x 4.5m
<b>DIMENSIONS WITH SPOIL BLADES (L x W x H)</b>	12m x 7.5m x 4.5m
<b>DIMENSIONS WITH BACKFILL TOOL (L x W x H)</b>	12m x 7.5m x 4.5m
<b>WEIGHT (IN WATER)</b>	39te (depending on cofiguration)
<b>WEIGHT (IN AIR)</b>	48te (with jetter, cutter and trough fitted)

### SPEED RANGE

<b>NO BURIAL</b>	0 - 1500m/hr
<b>TRENCHING WITH CUTTER CHAIN</b>	Up to 300m/hr

### VEHICLE POWER

<b>TOTAL POWER</b>	520kW (Subsea) 3 x 313kW (on vessel)
<b>ELECTRIC MOTOR</b>	Supply main system hydraulics including 2 fixed displacement water pumps for cutter tool flushing and motor cooling

### SOIL TYPE

Suitable for a range of soil types, including sands and very soft to hard clays

### CUTTING MODE

<b>PRODUCT HANDLING</b>	Product passes through Trencher and over cutting chain by means of roller cradle before exiting rear of machine through jetting swords
<b>DEPTH CONTROL</b>	0 - 2.0m max Chain moves laterally to clear pipe during loading for initial depolyment
<b>CHAIN SPEED</b>	3 - 4/sec
<b>CHAIN CUTTER WEIGHT</b>	8.0te

### JETTING MODE

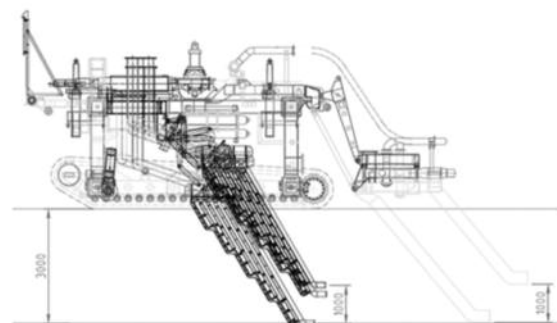
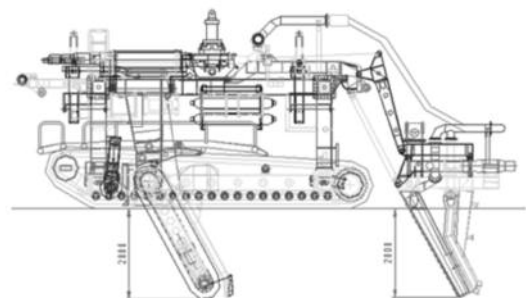
<b>PRODUCT HANDLING</b>	Product passes underneath Trencher between tracks before passing through jet legs into fluidised trench
<b>WATER INJECTION</b>	1850m <sup>3</sup> /hour at 4.5bar
<b>TRENCH DEPTH CONTROL</b>	2.0m max.
<b>JETTERS WEIGHT</b>	4.0te

### JETTING WITH BACKWASH MODE

<b>PRODUCT HANDLING</b>	Product passes underneath Trencher between tracks before passing through jet legs into fluidised trench
<b>WATER INJECTION</b>	Topside - 2400m <sup>3</sup> /hour at 7bar Subsea - 1850m <sup>3</sup> /hour at 4.5bar
<b>TRENCH DEPTH CONTROL</b>	3.0m max.

### SURVEILLANCE EQUIPMENT

2 x SIT Cameras
2 x Mono CCD Cameras
1 x Colour CCD Camera
4 x Pan & Tilt Units (2 x Simrad and 2 x Bowtech)
2 x Rotator Units
8 x Subsea Lights
Obstacle Avoidance Sonar
TSS350 Pipetracker(s)
Responder / Transponder
Mini F.O.G Gyro
Echosounder / Altimeter
Hydrophone



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