

# AMP500

## SPECIFICATION SHEET



### ADVANCED MULTI-PASS PLOUGH

The Advanced Multi-Pass Plough (AMP500) has an extensive proven track record for the post-lay burial of large diameter pipelines/trunklines and flowlines to specification in multiple soils around the globe. The heave compensated launch and recovery system allows the plough to perform in extreme environmental conditions.

The AMP500 has the capability to complete extensive pre-cut burial workscopes to specification in addition to the burial of decommissioned surface laid pipelines.

Its track drive system delivers enhanced productivity in comparison to standard ploughs, giving improved burial performance. In conjunction with DeepOcean's backfill ploughs, an enhanced solution for the backfilling and coverage of product is provided even in disturbed soils.

The burial of products utilising the AMP500 and Backfill Plough provides product protection, stabilisation and the reduction of logistic costs in terms of coating and injection. In addition, DeepOcean's ploughing technology is environmentally enhanced in comparison to other protection methods.

### KEY FEATURES

- DIVERLESS OPERATION
- TRACK DRIVE SYSTEM FOR ENHANCED PRODUCTIVITY
- 300KW JETTER REDUCES TOW TENSION
- TRENCH DEPTHS UP TO 2.5M AT CURRENT CONFIGURATION
- PROVEN AND ACCEPTED TRENCHING METHODOLOGY

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The AMP500 is not limited to these parameters and can be modified by DeepOcean to complete workscopes in excess of its current configuration.

### PARTICULARS

<b>MAX. OPERATING DEPTH</b>	1000m
<b>MAX. PRODUCT DIAMETER</b>	1450mm
<b>MIN. PRODUCT DIAMETER</b>	75mm
<b>BURIAL SINGLE PASS</b>	0.2 - 2.0m
<b>BURIAL MULTI-PASS</b>	1.7 - 2.5m
<b>TOTAL EFFECTING TRENCHING FORCE</b>	500te
<b>LENGTH</b>	21.6m
<b>WIDTH</b>	11.9m
<b>HEIGHT</b>	9.7m

### WEIGHT IN AIR (INC. BUOYANCY)

<b>BASIC PLOUGH CONFIGURATION</b>	187te
<b>INC. JETTING, SHARE TRACK AND BUOYANCY</b>	207te
<b>BUOYANCY CAPACITY</b>	Uplift 100te

### PIPE LIFT CAPACITY

<b>LIGHTWEIGHT GRAB / CRADLE</b>	30te per cradle
<b>HEAVYWEIGHT GRAB / CRADLE</b>	75te per cradle

### SOIL TYPE

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

### SURVEILLANCE EQUIPMENT

5 x SIT cameras (B&W) - 3 fixed and 2 on pan & tilt units
8 x Birus Soril 100W lamps
1 x obstacle SIMRAD avoidance sonar
2 x forward SIMRAD profiling sonar
2 x aft SIMRAD profiling sonar
1 x hydrophone
1 x marinus gyro
1 x echo sounder

### BACKFILL PLOUGH & ANCILLIARY EQUIPMENT

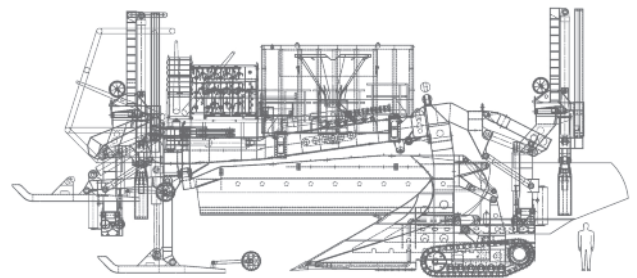
<b>BACK FILLING CAPACITY</b>	0.5 - 2.5m trench
<b>MAX. TOW FORCE</b>	150te
<b>LENGTH</b>	24m
<b>WIDTH</b>	12m
<b>HEIGHT</b>	8m
<b>WEIGHT IN AIR</b>	135te
<b>OPTIONAL ENHANCEMENTS</b>	Compaction Roller for disturbed soil

### TYPICAL TRENCHING SUPPORT VESSEL: MAERSK ASSISTER OR ADVANCER

<b>DP II</b>	Simrad SDP21
<b>LENGTH</b>	90.30m Beam 23.00m
<b>BOLLARD PULL</b>	282te continuous / 23,480 BHP
<b>MAX. SPEED</b>	16.2 knots
<b>ACCOMMODATION</b>	59 Persons
Heave compensation for plough launch and recovery, Sea State 5	

### SUPPORTING EQUIPMENT

Control Cabin, Umbilical Winch c/w high power umbilical cable, Power 10ft ISO Container, Mechanical Workshop 20ft ISO Container, Stores 20ft ISO Container, Electrical Workshop 10ft ISO container.



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