

# 3M PLOUGH



## Weight

- Air Weight : 27.5 tonnes (approx.)
- Submerged Weight : 22.0 tonnes(approx.)

## Dimensions

- Skid Down : 9.49m long
- Drawbar Down : 5.50m high
- Over Stabilisers : 5.08m wide

## Operation

- Pulled by tow wire from surface vessel
- Operating Depth : 1,500mtr
- Towing Force : 10Ton to 80Ton (0m to 2.2m deep)  
50Ton (2.2m to 3.3m deep)
- Max. Permissible pull at Plough : 80Ton
- Burial Depth : 3.3mtr Trench Depth Max.(with extension)
- Cable Size : 17mm to 90mm Diameter
- Repeaters up to 380mm Diameter
- Cable Splice Boxes up to 150 Diameter
- Cable Bend Radius : 1,5m (Max.)
- Soil Type : Any, with Good Rock Ripping Ability
- Cable Tracking : Lateral Cable Angle Potentiometer and  
TV Camera
- Ploughing Speed : Up to 1m/s Depending  
on Seabed Condition

## Operating Conditions

- Operating Temperature : +40C to -4C
- Ambient Temperature : +50C to -15C

## Hydraulics

- Fittings Motor : 3-Phase, 2kV, 50/60Hz, 15kW
- Reservoir : 100 litres working Capacity

## Subsea Jetting System

- Motor/Pump Sets : 2 x 250kW submersible motor/Pump sets
- Jets : 1 x set with Different Nozzle Diameters  
1 x set of Nozzle Blanks
- Power Control : Main Share Jet tool consumption up to 500kW  
Switch each 250kW supply to front jet tool or share

## Subsea Electronics and Telemetry

- Test Pressure : 1.25 x Working Pressure
- Mounting : Anti Vibration Type

## Instrumentation

- Pressure Transducers : Water depth  
Depressor pressure  
Hydraulic system
- Jetting Transducers : Water Pressure (x2)
- Linear Transducers : Hydraulic oil reservoir volume
- Altitude : Echo sounder (range 0.6m to 30m)

## Surveillance

- Cameras : 3 x Near-SIT camera (Kongsberg Simrad)
- Lamps : 5 x 150W 245V LED (Bowtech)
- Sonar : Obstacle Avoidance (Tritech, Super seaking)
- Pan and Tilt : Sub-Atlantic, 24V Pan and Tilt Unit
- Hydrophone : For noise monitoring - Benthos



Home Page : <http://www.ktsubmarine.co.kr>

Head Office : 433-1, Songjeong-dong, Haeundae-gu, Busan, Korea.

Depot : 1068-2, Siljeon-li, Hacheong-myeon, Geoje, Gyoungnam, Korea.

Tel : 051-704-0009

Fax : 051-704-0030