

## Subsea Tooling Services 12" MKI T12 *Titan* Mass Flow Dredger



- Can be deployed subsea on unique deployment frame
- Certified lifting points & rigging
- Comes as standard with 12" 360 Degree cobra head
- Twin depth compensators
- Depth rated to 3000 MSW
- Optimum dredging up to 275mm rocks
- Optional lengths of suction / discharge hoses that can be changed out subsea ( Max 10m)
- Remote exhaust function for remote spoil dumping (Max 10m)
- Comes with hydraulic splitter manifold + gauge points

### Operational Specification

Hydraulic Flow	138 Lpm
Optimal Hydraulic Surface Pressure	*300 – 330 Bar * Topside pressure depends on length of hose umbilical
Gross Water Flow	18000 Litres per minute (Through Ejector)
Removal Capacity Sand m <sup>3</sup> /h (Tons per hour)	117 m <sup>3</sup> /h (150 tons per hour)
Removal Capacity Rocks m <sup>3</sup> /h (Tons per hour)	68.7 m <sup>3</sup> /h (110 tons per hour) ** Based on a rock size of 6 – 8" **
Unrestricted Diameter	300mm
Dimensions of Dredger L x W x H x weight in Kg	3000mm x 600mm x 800mm x 250 Kg
Dimensions of Deployment Frame L x W x H x weight in Kg	2500mm x 2500mm x 1500mm x 1000 Kg
Hydraulic Hose Reeler & Topside HPU Requirements	3 Phase 152 Kw HPU / Air Driven Reeler c/w 200m hoses
Hose sizes / Connections	(Pressure Hose 1 1/4") (Return Hose 1 1/2") (Drain Hose 3/4") c/w diver couplers
ROV Connections	60mm 3 Port Blue Logic Valve Stab System

\* Removal capacity is theoretical, removal rates will vary depending on the type of seabed being dredged.

The 12" Dredger system is designed to be deployed on its own unique dredge deployment frame, that acts as a platform for all dredging operations and is designed to allow easy access for ROV and/or Diver use

The dredger can be operated by either a hydraulic downline from the surface or direct from the ROV supply, provided it can provide the required flow / pressure.

