

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



- Can be deployed subsea on unique deployment frame
- Certified lifting points & rigging
- 360 Degree hydraulic actuated turn table for rapid suction nozzle re-positioning
- 4 x subsea deployable / retractable hydraulic stabilization legs that come with soft seabed anchor feet
- Comes with hydraulic back flush option
- Depth rated to 5000 MSW
- Optimum dredging up to 275mm rocks
- Optional lengths of suction / discharge hoses that can be changed out subsea
- Remote exhaust function for remote spoil dumping

#### Operational Specification

Hydraulic Flow	150 Litres per minute
Optimal Hydraulic Pressure	250 – 300 Bar
Gross Water Flow	16500 Litres per minute (Through Ejector)
Removal Capacity Sand (t/h)*	120 metric tons per hour
Removal Capacity Rocks (t/h)*	90 metric 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 2500 Kg
Hydraulic Hose Reeler & Topside HPU	Optional

\* 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.

Once landed out the deployment frame can be hydraulically activated to deploy 4 x stabilization legs that will raise the deployment frame upwards and offer a stable platform to dredge from.

The 360 degree slew acts to aim the dredger towards to worksite and the exhaust in the opposite direction.

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.

