

# Subsea Tooling Services 10" MKI T10 ROV *Predator* Dredger



- Can be mounted to any Work Class ROV safely & quickly
- Certified lifting points & rigging
- Can be assembled / disassembled subsea by work class ROV / Diver
- Certified ROV mounting frame for fast mobilisation & on deck turnaround (optional)
- Can be configured for dredging or jetting subsea without need for ROV recovery (x 2 WROV required)
- Depth rated to 5000 MSW
- Optimum dredging up to 230mm rocks
- Comes with clay jetting nozzle & agitator as standard
- Optional lengths of suction / discharge hoses that can be changed out subsea
- Easily adapted to ROV or Diver use
- Can be converted to jetting mode subsea

#### Operational Specification

Hydraulic Flow	80 – 100 Litres per minute
Optimal Hydraulic Pressure	190 – 210 Bar
Gross Water Flow	10000 Litres per minute (Through Ejector)
Removal Capacity Sand m <sup>3</sup> /h (Tons per hour)	100 m <sup>3</sup> /h ( 120 tons per hour)
Removal Capacity Rocks m <sup>3</sup> /h (Tons per hour)	56.25 m <sup>3</sup> /h (90 tons per hour) ** based on 6" – 8 " Rocks **
Unrestricted Diameter	250mm
Dimensions of Dredger L x W x H x Weight in Air	2800mm x 450mm x 635mm (Height to top of lifting point) x 155 Kg
Dimensions of Transit Case L x W x H	2109mm x 840mm x 970mm
Hydraulic Hoses Supplied	3 x Certified Hose's 3000mm Long c/w 8 JIC Female Swivel (6 JIC Case)

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

The STS *Predator* system is a completely new concept in performance dredging. Its unique features make it the most efficient dredger on the market saving both vessel and operational time.

The dredger can be easily mounted to the host ROV using its dedicated interface frame. While optimum performance has always been a priority with this system, safety has also been a top priority. As such the *Predator* features certified lifting points and associated rigging and when placed on the deck the dredger sits upright on its integrated frame reducing the risk of manual handling injuries & damage to the equipment.

Optimum performance is achieved by utilising the latest fluid dynamic research. The STS MKI T-10 can be assembled or disassembled subsea minimising ROV recovery time and increasing vessel productivity.

