

## Subsea Tooling Services 8" Piranha Dredger



- Can be mounted to any Work Class ROV safely & quickly
- Depth rated to 5000 MS
- Remote flexi exhaust system optional
- Built in depth compensator
- 2 stage pressed stainless steel pump system
- Self-standing unit to avoid manual handling issues
- Quick pump coupling for fast re-configuration of the system
- Cam-Lock quick release couplers on suction & exhaust end
- Can be mounted directly to a standard STS dredge deployment frame
- Fully anodized bearing housing & mounting clamps

### Operational Specification

Hydraulic Flow	45* – 100 Litres per minute ( * Minimum Required Flow Rate )
Optimal Hydraulic Pressure	180 – 210 Bar
Gross Water Flow	11252 Litres per minute (Through Ejector)
Removal Capacity Sand m <sup>3</sup> /h ( Tons per hour)	82.2 m <sup>3</sup> /h (100 tons per hour) based on sand @ 1496 Kg per/m <sup>3</sup>
Removal Capacity Rocks m <sup>3</sup> /h ( Tons per hour)	55.2 m <sup>3</sup> /h (85 tons per hour)** Based on a rock size of 120 – 150mm rocks**
Unrestricted Diameter	200mm (8")
Dimensions of Dredger L x W x H x W-Kg (Assembled)	2050mm x 460mm x 585mm x 115 Kg (92 Kg in seawater)
Dimensions of Transit Case L x W x H	2250mm x 600mm x 600mm Shipping Weight 220 Kg including all accessories
Hydraulic Hoses Supplied	3 x Certified Hose's 3000mm Long c/w 12 JIC Female Swivel (8 JIC Case)

\* Removal capacity is theoretical; removal rates will vary depending on the type of seabed being dredged and the hydraulic pressure & flow received from the host ROV.

The STS Piranha range is Subsea Tooling Services latest design of high performance dredging equipment. A dredger designed to fit directly to the side of any work class ROV.

The dredger system comes with 360 degree swivel heads which dramatically reduces wear on the ROV manipulator by eliminating all the rotation torque from the suction hose, making dredging much easier and more efficient.

