

## Subsea Tooling Services 10" Piranha Dredger



- Can be mounted to any Work Class ROV safely & quickly
- Depth rated to 5000 MSW
- Optimum dredging up to 230mm rocks
- Bayonet – Tri lock Interface Connector
- Easily adapted to ROV or Diver use
- Comes as standard with a 10" 360 Degree Cobra Head
- ROV Handle – Fish Tail 10" Clamp

### Operational Specification

Hydraulic Flow	*100 – 150 Litres per minute (*Minimum Flow Required)
Optimal Hydraulic Pressure	200 – 250 Bar
Gross Water Flow	13500 Litres per minute (Through Ejector)
Removal Capacity Sand m <sup>3</sup> /h (Tons per hour)	105 m <sup>3</sup> /h ( 122 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	1998mm x 356mm x 587mm x 120 Kg
Dimensions of Transit Case L x W x H	2250mm x 600mm x 600mm
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.

The STS 10" Piranha dredger has evolved from our experience building ROV dredging units.

Fitted with our custom bayonet – tri lock hose connector ensures a fast set up / re-configuration of the system on any WCROV.

With less moving parts than the previous model, the new 10" Piranha is a more streamlined, highly efficient, reliable ROV / Diver dredger.

Two mounting feet ensure the unit can be safely bolted to the side of a WCROV or a dredge deployment frame.

With the elimination of the hydraulic motor bearing housing, mechanical seal & depth compensator, we have reduced the overall weight of the machine substantially without compromising performance or reliability.

Our unique fluid dynamic dredge ejector ensures optimum performance from the 2 stage stainless steel pump.

