



## Vortex T-100 Tornado Dredge

The most powerful 4in dredge on the market

With a proven suction inlet vacuum up to 29.5in/hg (100kpa), the patented Vortex 4in T-100 Tornado Dredge is designed for subsea excavation and disposal of seabed materials up to 99mm in size. It can be mounted onto any work class ROV without requiring deck space or sea fastening. With no moving parts, this powerful dredge is quick and straightforward to mobilise.

### Applications

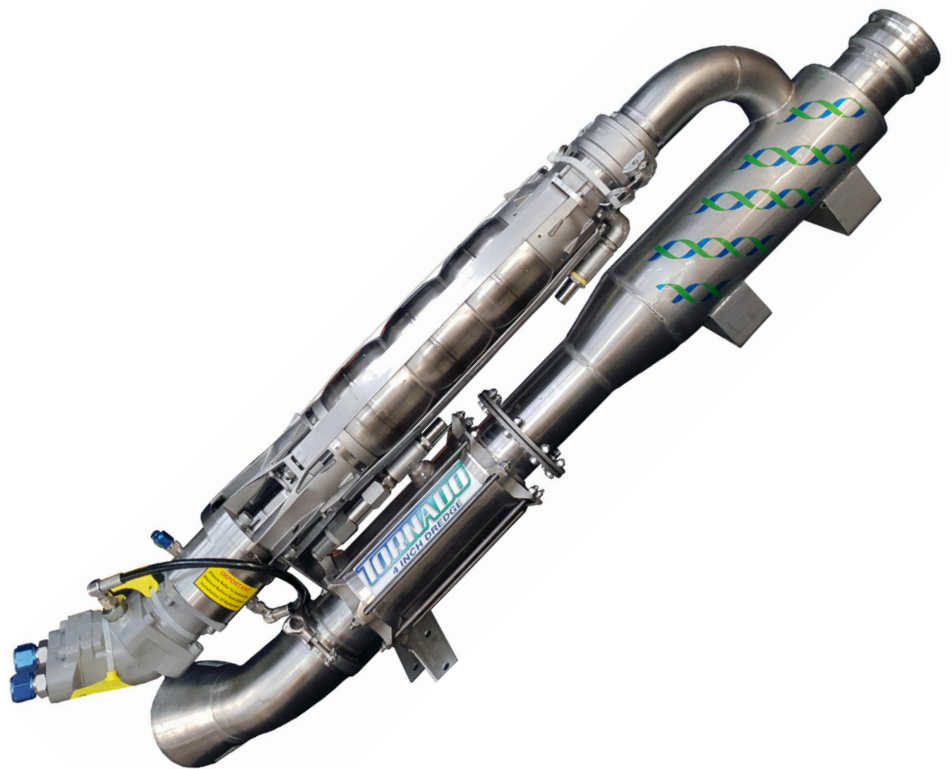
- Pile cleaning
- Excavation
- Decommissioning
- Drill cutting removal
- UXO clearance
- Marine archaeology

### Features

- Quick and easy to mobilise
- No depth limitations
- Designed for rapid deployment
- 29.5in/hg (100kpa) of inlet suction

### In the box

- Vortex T-100 Tornado Dredge
- Operations and maintenance manual



# Vortex T-100 Tornado Dredge

## Specifications



Debris removal rates (ton / hr)	60t per hour, 27m <sup>3</sup> /hr, 15% solids by volume
Venturi inner diameter	100mm / 4in
Rated maximum stone size	100mm / 4in
Suction hose diameter	100mm / 4in
Exhaust hose diameter	100mm / 4in
Inlet suction hose length	Up to 40m
Exhaust throw length	Up to 4m
Hydraulic flow required	78lpm / 20.6gpm minimum
Optimum flow	80lpm / 21gpm
Hydraulic pressure required	165bar / 2400psi minimum
Optimum pressure	206bar / 3000psi
Available suction at inlet	100kpa / 29.5in/hg
Optional Jetter nozzle water pressure	60psi
Weight of system in air	50kg / 110lb
Weight of system in water	39kg / 85lb
Operation in air	No

