



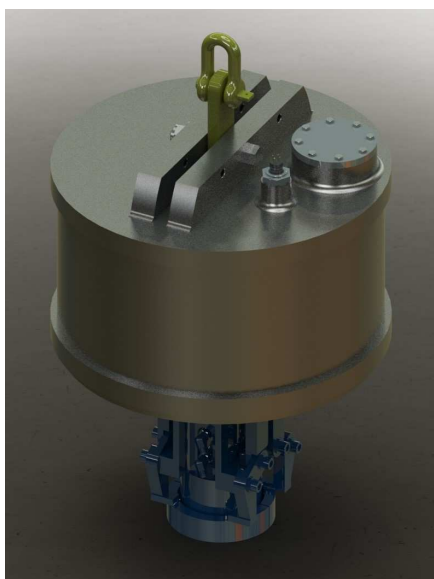
T-2000

Vibrocoring System

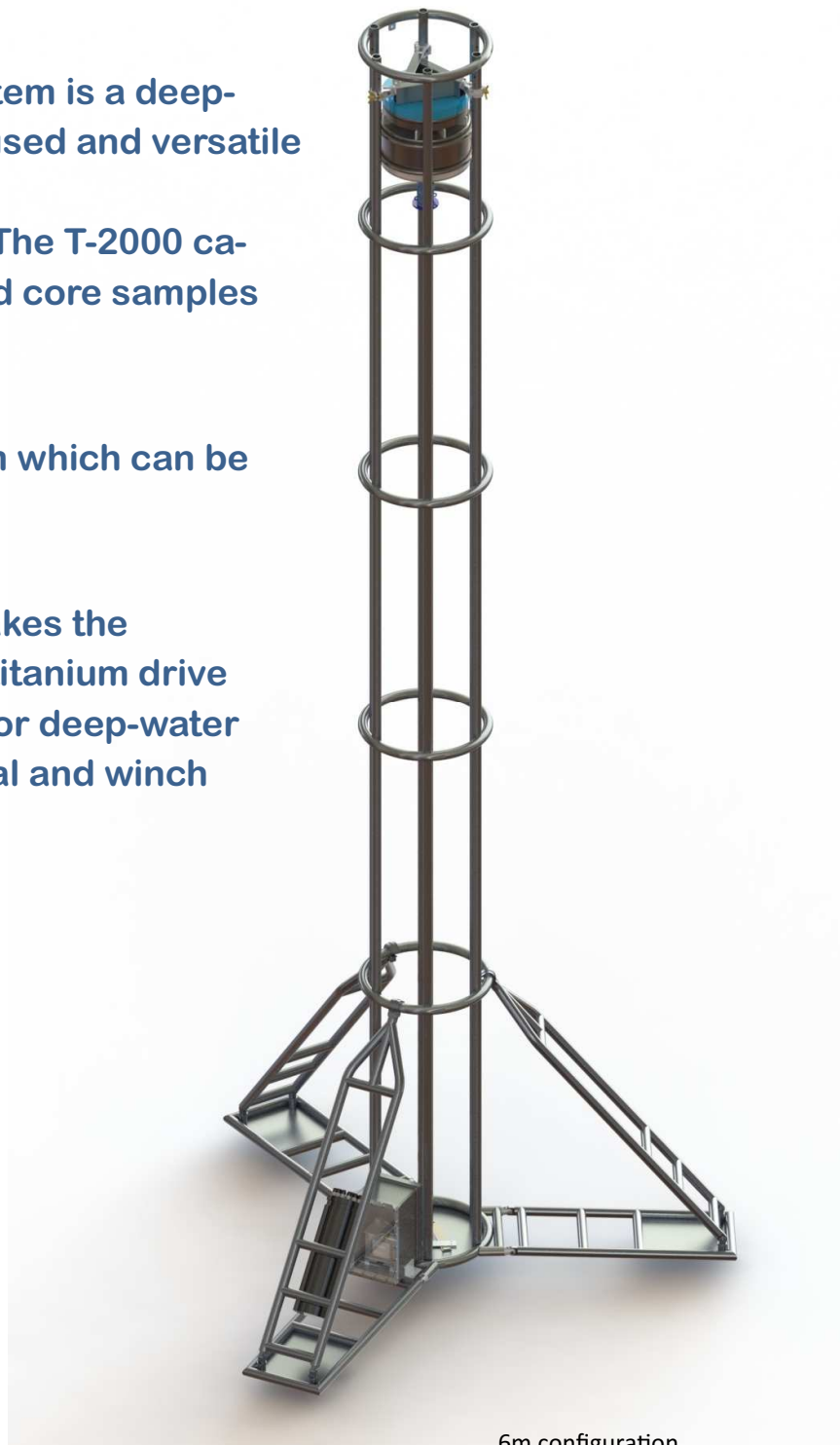
The SEAS T-2000 Vibrocoring System is a deep-water version of our most widely used and versatile of SEAS single core vibrocoring systems, the VC-450. The T-2000 caters for water depths to 2000m and core samples up to 6.5m in length.

The SEAS T-2000 is an air freight compatible, highly efficient system which can be configured on-site for different coring conditions.

Its light weight modular design makes the T-2000 vibrocorer incorporate a titanium drive head and modular telemetry pod for deep-water deployment using an ROV umbilical and winch



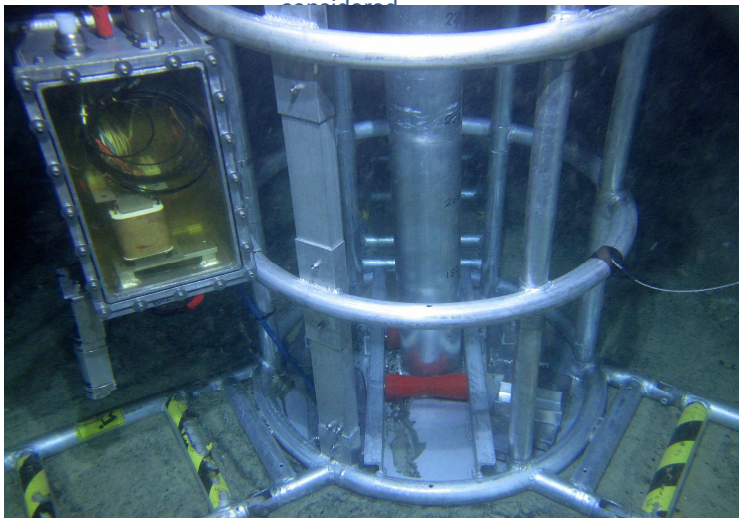
T-2000 drive unit



6m configuration,

Specifications

Depth Rating	2000m
Core Length	Up to 6.5 m
Support Tower	
Height:	3.5m to 7m configurable on-site
Stabilising legs	Three legs at 120° separation. 1130mm legs, Seabed Footprint: 3215mm
Construction:	Tubular Aluminium alloy
Core marker	316 Stainless Steel
Weight in air	185kg (Including lead ballast weights)
Weight in water	135kg (Including lead ballast weights)
Vibrocoring Drive Unit	
Dimensions:	Diameter: 505mm Height: 405mm
Weight in air	135kg
Weight in water	105kg
System Power	415 Vac or 220 Vac 3ø 50/60 Hz (Configurable to client specification and on-site conditions)
Power requirements	1.1kW, Maximum startup current: 6 amps (415vAC), 12 amps (220vAC) Compatible with shipboard 3ø power or 10kVA 3ø genset
Power Supply Cable	Siemens Hydrofirm 4-core sea cable. Umbilical with minimum 5 conductors (AWG 12) and 1 single mode fibre
Surface Control System	PC based fibre-optic control centre. Video monitoring of subsea operations. Residual Current Device (RCD) protected switch box and deck cable with remote switching.
Core Barrels:	<p>For pre-dredge / NAGD(2009) compliance: 102mm Stainless Steel Core barrel with 80mm polycarbonate liners with either piston or no-return valve.</p> <p>For other studies in water depths less than 200m: Single-Use 80mm OD x 76mm ID Extruded Aluminium core tube without core liners. Either piston or non-return valve can be used. The core barrel serves as liner / storage vessel.</p> <p>For studies in water depths greater than 200m: 102mm Stainless Steel Core barrel with 80mm polycarbonate liners fitted with a piston is recommended.</p> <p>On-Site surface processing can include cutting into manageable lengths (pipe-cutter) and capping or longitudinal slabbing (circular saw & knife).</p>
Lifting gear required:	<p>SEAS optional Launch and Recovery System (LARS) makes deployment safe, fast and efficient.</p> <p>An A-Frame or deck crane with SWL to enable the maximum lift required at seabed for extracting core barrel of up to 39kN (4 Tonnes). Umbilical load must be considered.</p>



T-2000 at 400m subsea