Submersible Equipment and Services

VC-380

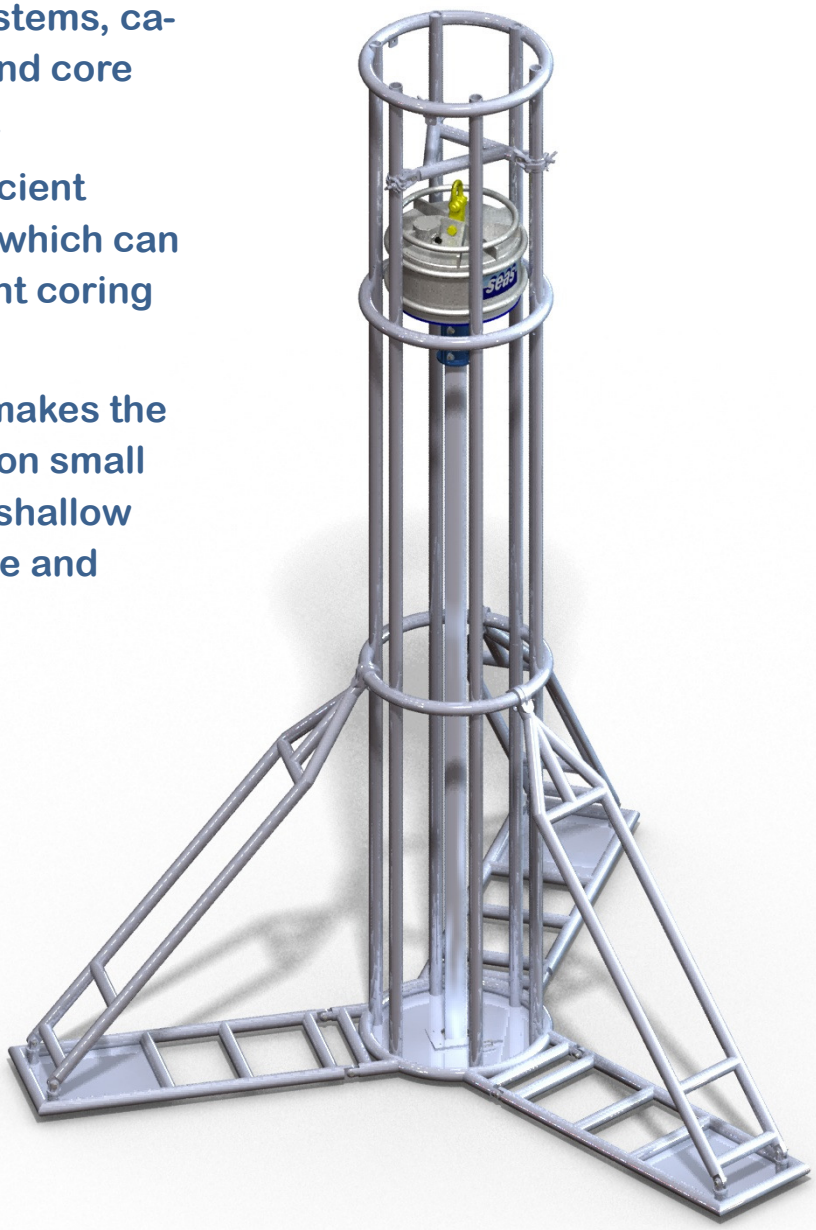
Vibrocoring System

The SEAS VC-380 is a light-weight and versatile single core vibrocoring systems, catering for water depths to 50m and core samples up to 3m (10') in length.

The SEAS VC-380 is a highly efficient system for soft sediment coring which can be configured on-site for different coring conditions.

Its light weight modular design makes the VC-380 Vibrocorer ideal for use on small vessels, enabling coring in very shallow water, estuarine, near-shore, lake and swamp environments.

VC-380 drive unit



VC-380 Vibrocoring System

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Specifications

Depth Rating	50 m
Core Length	Up to 3 m (10')
Support Tower	
Height:	3.5m configurable on-site
Stabilising legs	Three legs at 120° separation. Seabed footprint diameter: 3215mm
Construction:	Tubular Aluminium alloy
Core marker	316 Stainless Steel
Weight in air	150kg (Including lead ballast weights)
Weight in water	140kg (Including lead ballast weights)
Vibrocoring Drive Unit	
Dimensions:	Diameter: 420mm Height: 440mm
Weight in air	65kg
Weight in water	55kg
System Power	415 V ac or 220 V ac 3Ø 50/60 Hz (Configurable to client specification and on-site conditions)
Power requirements	0.6 kW, Maximum startup current: 4 amps (415vAC), 8 amps (220vAC) Compatible with shipboard 3Ø power or 5 kVA 3Ø genset
Power Supply Cable	Siemens Hydrofirm 4-core sea cable: 1 x 50m length with Sea Con underwater connectors.
Surface Control System	Residual Current Device (RCD) protected switch box and deck cable with remote switching.
Core Barrels:	Single-Use 80mm OD x 76mm ID Extruded Aluminium core tube. No core liners required. Core barrel serves as liner / storage vessel. On-Site surface processing can include cutting into manageable lengths (pipe-cutter) and capping or longitudinal slabbing (circular saw & knife).
Lifting gear required:	A-Frame or deck crane with SWL of 2 Tonnes maximum lift required for extracting core barrel from seabed (usually less lift is required unless coring in firm clay or very clean sands.)