



OSIL

Environmental Instruments
and Systems

High Power Vibrocorer

AN EASY TO TRANSPORT, EASY TO USE CORING SYSTEM

OSIL's new High Power Vibrocorer has been designed as an easy to use, easy to transport modular system capable of collecting up to 12m cores in 600m water depth (max).

- For use in dense/compact sediments in up to 600m water depth.
- Easy to assemble modular system offering cores of 3m, 6m, 9m or 12m system.
- Assemble dockside or on vessel, over stern deployment.
- High power vibrator motors engaged once unit is on the sea floor to drive the core barrel into the bed.
- Cutting shoe and core catcher specifically designed to minimise sample disturbance.
- Unit designed for easy horizontal recovery to the vessel, and easy recovery of the core on deck.
- System can be quickly and easily deployed, delivering a well defined core.
- Epoxy coated steel construction.
- PVC Core barrel liner.
- 96mm diameter sample.



FOR FURTHER INFORMATION PLEASE CONTACT:

OSIL, Culkin House, C7/8 Endeavour Business Park, Penner Road, Havant, Hampshire PO9 1QN

T: +44 (0) 2392 488240 F: +44 (0) 2392 488241 E: osil@osil.com W: www.osil.com



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Operational Dimensions:

Height	3m unit	3.75m
	6m unit	6.75m
	9m unit	9.75m
	12m unit	12.75m

Width Tower 1.2m

Width Base Supports 5.0m

Weight	High Power VC10000	
	3m	2350Kg
	6m	2925Kg
	9m	3500Kg
	12m	4075Kg

Standard Power VC4000

3m	1450Kg
6m	1800Kg
9m	2150Kg
12m	2500Kg

Power Supply:

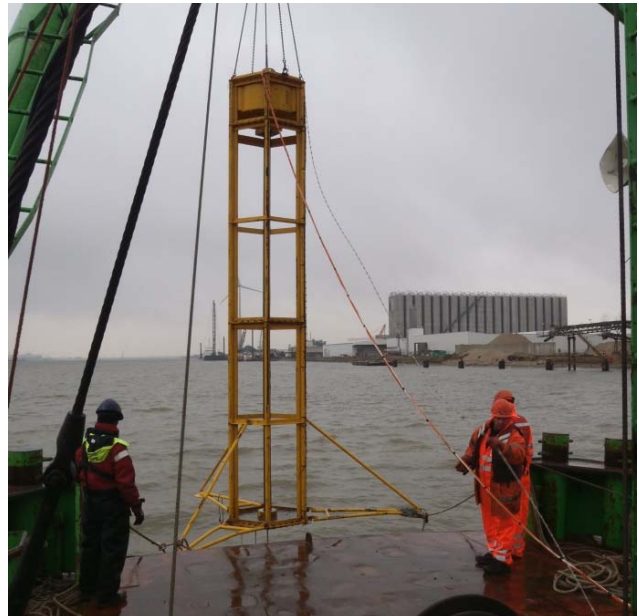
415V 3 phase supply 1 off 9.6kW motors
or 415V 3 phase supply 1 off 4.0kW motors
83/ 43A Start up current
16/ 8A Operational current.

Vibration Force:

High Power VC10000	89kN
Standard Power VC4000	44kN

Optional Sensors:

Heat Flow
Inclinometer
Penetration Rate
Penetration Distance
Additional sensors available on request



Features:

Frame

- Base Plate
- Support Legs
- Vibrocorer Frame (3m sections)
- Vibrocorer Head fitted with high power vibrator motors

Coring

- Corer Barrel 114mm OD
- Core Cutter
- Core Catcher
- Liner

Surface

- Armoured Deck supply cable (415V)
- Direct On Line Starter Box
- Armoured High Power Vibrocorer cable (non load bearing)

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