



OSIL

Environmental Instruments
and Systems

High Power Vibrocorer

AN EASY TO TRANSPORT, EASY TO USE CORING SYSTEM

OSIL's vibrocorers have been designed as easy to use, easy to transport modular systems 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:

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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	Standard Vibrocorer	1.2m
	Lightweight Vibrocorer	1.0m
Width Base Supports	5.0m	
Weight	Standard Vibrocorer	
	3m	1450kg
	6m	1800kg
	9m	2150kg
	12m	2500kg
	Lightweight Vibrocorer	
	3m	900kg
	6m	1250kg
	9m	1600kg
	12m	1950kg

Power Supply:

415V 3 phase supply, 2.7kW motors, 43A Start up current, 8A Operational current.

or

380V, 3 phase supply, 1.8kW motors, 28A Start up current, 4A Operational current

Vibration Force:

Standard Vibrocorer 44kN

Lightweight Vibrocorer 30kN

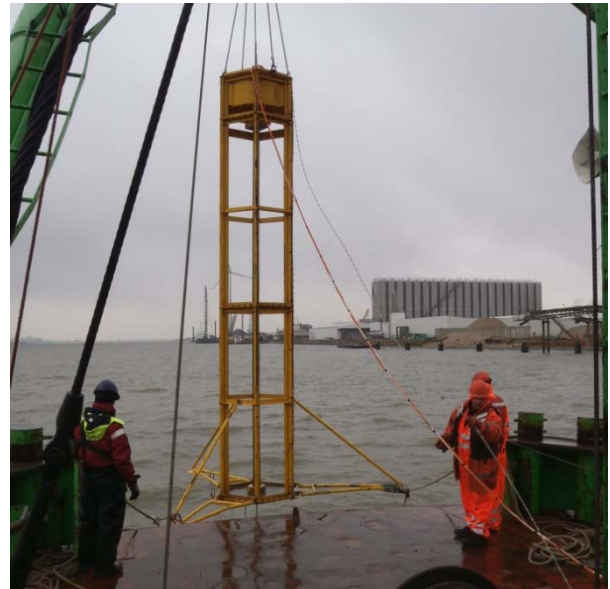
Optional Sensors:

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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