



# VIBROCORER

## Seabed - Electrical



<b>Rig weight</b>	1.1 tonnes max in air
<b>Core length options (barrel length)</b>	2.75 (3m), 3.75 (4m) & 4.75m (5m)
<b>Power</b>	415V 50/60Hz, 3-phase, 20kVA
<b>Height overall</b>	6.2m max.
<b>Storage basket</b>	Holds 67 x 1m samples
<b>Water depth rating</b>	150m
<b>Motor</b>	Twin synchronised electrical motors
<b>Deployment</b>	Via crane or A-frame



The Seabed electrical vibrocorer has been designed to obtain cylindrical cores in soft, cohesive soils at a maximum water depth of 150 metres. The vibrocorer is operated from a control unit, which also provides power to the vibration head. A remote-control unit is used to operate the system from the optimal position on deck. It has an integral piston arrangement for sample retrieval.

The core barrel is fitted with a liner in which to collect the core. Once these are recovered to deck, the core is split into metre lengths, sealed and marked with top and bottom indicators before being stored vertically in a specially designed sample basket (holding around 70 cores). Index/classification tests can also be undertaken on the samples.

Applications include pipeline route surveys, pre-dredge geotechnical surveys, ground truthing for geophysical surveys, aggregate resource evaluation, mineral exploration.