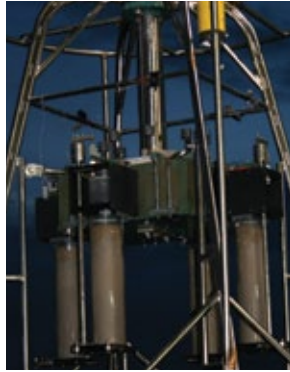


**sediment
sampling**
—
instruments
and systems





VIBROCORER

The high power Vibrocorer has been designed as an easy to use, easy to transport modular system capable of collecting cores up to 9m in length in coarser grained sediments. One large electrical motor powers concentric weights to produce the necessary vibration, delivering a well defined core of 100mm diameter. The cutting shoe and core catcher design minimise sample disturbance.

MULTIPLE CORERS

Multiple Corers allow the simultaneous collection of up to 12 tubes of undisturbed sediment. The core tubes are generally 110mm or 65mm in diameter and can collect sediment to a depth of approximately 400mm (150mm in the Mini Corer). The corer design includes hydraulically damped sampling and hydrostatically sealed core tube which preserves the sediment/water interface.

PISTON & GRAVITY CORERS

The Piston Corer utilises a piston inside the barrel to reduce the internal friction and prevent plugging to allow cores of up to 30m to be sampled in soft sediments and muds. The system utilises a seabed messenger to operate the release and allow the final free fall penetration to obtain a core sample.

The OSIL Gravity Corer is a simple, reliable corer for coastal or deepwater applications for the collection of sediment samples up to 6m long.

BOX CORERS

Box Corers are reliable units which offer a sample area of 0.25m² (Mega Box Corer), 0.1m² (Box Corer) or 0.05m² (Mini Box Corer). Their unique double-shovel mechanism and removable box allows easy access to the sediment sample for subsequent biological, chemical or geological analysis.



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