



**OSIL**  
Environmental Instruments  
and Systems

# OSIL MULTIPLE CORERS

## The Only Corer to Collect a Truly Undisturbed Sample

The OSIL range of multiple corers are simple, reliable corers for collecting multiple samples of virtually undisturbed sediment, including the sediment/water interface, and overlying supernatant water. A range of models is available to sample up to 12 cores in a single deployment.

- Widely used for soft sediment sampling in chemical, geochemical and biological applications.
- Unique hydrostatic damping system slows the penetration rate to approx. 1 cm/s, eliminating the typical bow wave.
- Undisturbed sediment sample with overlying supernatant water provides a unique insight into the sediment water interface.
- Corer deployment rates: descent - approx. 1 m/s , penetration - approx. 1 cm/s, retrieval - winch speed
- Samples are positively sealed, being capped both top and bottom, preserving the integrity of the samples.
- The rugged frame of the corer is made of 316 stainless steel and marine grade brass.
- The core tubing can be manufactured from acrylic, poly carbonate or stainless steel, depending on requirements.
- Ideal for rapid assessment work.
- Full Ocean Depth (6000m).



### 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.co.uk](mailto:osil@osil.co.uk) W: [www.osil.co.uk](http://www.osil.co.uk)



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### APPLICATIONS

- Environmental Impact Assessments
- Geochemical analysis
- Interstitial waters
- Oil field cuttings piles
- Biological survey

### FEATURES

- Virtually undisturbed sampling of the sediment/water interface
- Unique hydrostatic sealing mechanism
- Detachable core holders
- Simple deployment and operation
- Hydraulically damped sampling
- Rugged construction

	Mega Corer	Maxi Corer	Midi Corer	Mini Corer
Core Tubes	12	8	4	4
External Diameter (mm)	110 or 65	110 or 65	110 or 65	65
Length (mm)	600	600	600	300
Maximum Core Length (mm)	400	400	400	150
Corer Weight (kg)	735	600	465	88

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