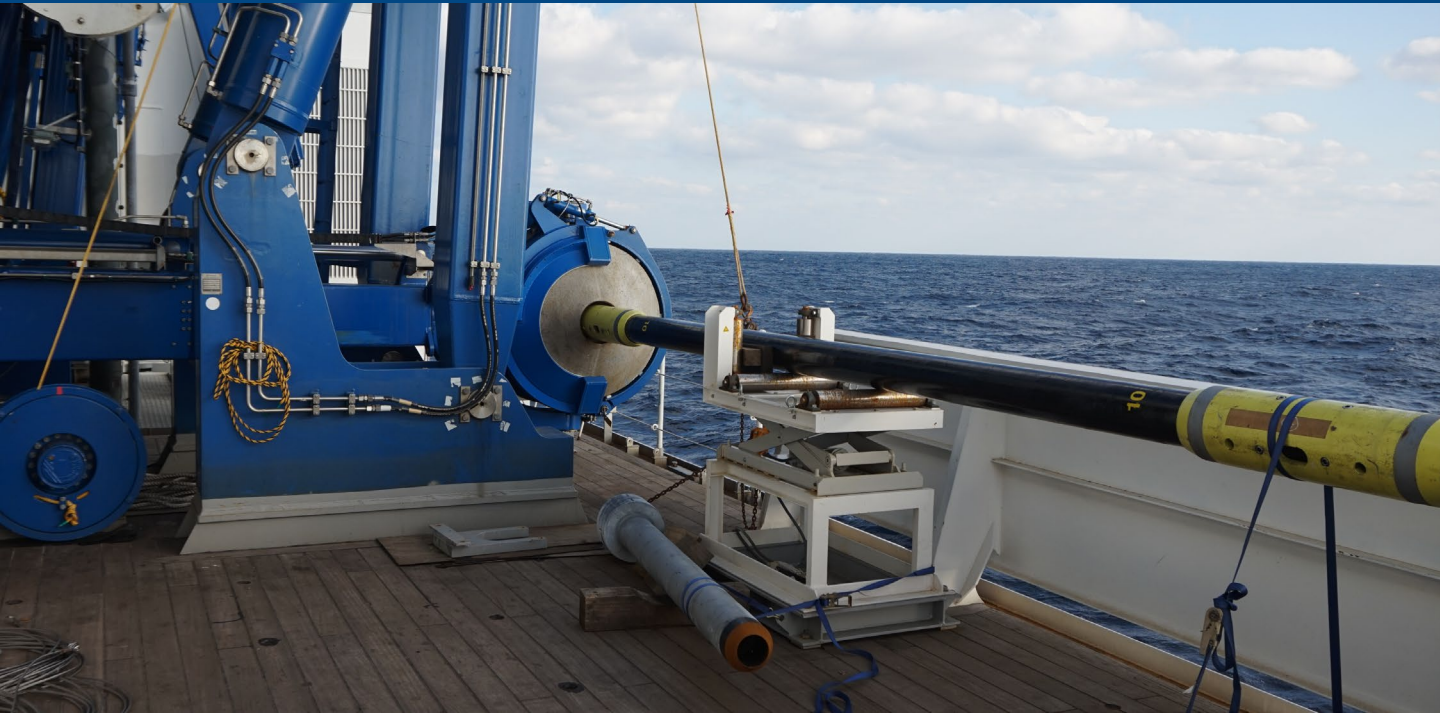


GIANT PISTON CORER



OSIL



Robust Sediment Corer with Increased Penetration Depth

The increased penetration depth of the Piston Corer has made it one of the basic tools used in the study of marine sediments. Piston core samples are usually longer, less disturbed and more complete than those from gravity corers. The main advantage of a Piston Corer over the Gravity Corer is the greater length of core obtained. The action of the piston reduces internal friction and prevents plugging. Cores of up to 60m are possible in soft sediment and muds. The programmable acoustic release enables the free fall distance to be adjusted via the length of cable from clamp to counterweight.

- For use in soft, cohesive sediments at up to full ocean depth.
- Recovery rates greater than 95% achievable.
- Stainless Steel or galvanised steel construction, depending on application and budget.
- Corer lowered to seabed, where acoustic release mechanism triggers final free fall penetration.

Applications

- Geological studies
- Marine chemistry
- Sedimentology
- Exploration
- Ocean floor processes

Features

- Up to 60m cores
- Trigger Release options
- Minimal “down” time
- Varying core lengths
- Robust and easy to use



Specifications

Maximum Core Length	60m (10 x 6m core barrels)
Barrel Diameter	129-168mm
Internal Core Diameter	110mm
Trigger	Programmable Acoustic Release or Mechanical Trigger
Construction Material	Stainless Steel or Galvanised Steel, PVC liner
Total Weight	4000-12000kg
Depth Rating	Full Ocean Depth



FOR FURTHER INFORMATION PLEASE CONTACT:

Ocean Scientific International Ltd
Culkin House, C7/8 Endeavour Business Park,
Penner Road, Havant, Hampshire PO9 1QN, UK
T: +44 (0) 2392 488240 E: osil@osil.com W: www.osil.com