BSL ROV Tooling – Frame Corer



General Specifications

- 2.1m core penetration
- 89mm diameter core diameter
- 2 cores independently deployed (i.e. duplicate cores on one site, or samples from 2 separate sites on one dive)
- Enclosed for undisturbed sample recovery
- Internal piston for maximum sample recovery
- Light weight construction
- Deployment via subsea crane or clamped to the front of the wROV.
- Requires 5 or 7 function manipulator
- Ideal for decommissioning and cuttings pile surveys

Services

Following the success of BSL earlier version of ROV frame corer back in 2012, BSL has continued to develop bespoke sampling equipment and has upgraded the previous 1.2m version to a larger 2.1m penetration device. Additional impovements include an internal piston, chain drive and the inclusion of two independent samplers on a single frame allowing multiple site visits or replicate samples on a single dive. Furthermore, the deployment of duplicate samples allows for deeper penetration as the cores themselves act as suction anchors for maximum penetration. As the device can be deployed independantly from the surface or carried by the wROV, this is an ideal tool for operations in precise locations amongst infrastructure, cuttings piles, for environmental invesigations in sensitive habitats and geochemistry investigations into active seeps and vents.

Each core is acquired within a semi-tranlucent PVC liner (89mm OD) to assist in identifiying key substrates and lithological layers for sub-sampling and analysis. The core barrels are consumable so can be capped and stored or cut as required at fixed lengths to assist in sample transport or later laboratory analysis.



Samples are ideal for the following uses.

- Environmental sampling in soft and consolidated sediments
- Detailed chemistry for decommissioning
- Cuttings mound assessments
- Surveys close to offshore infrastructures
- Precision sampling around sensitive habitats
- Geochemical and geotechnical sampling around active seeps

Specifics

Item	Value
Shipping weight	280KG
Weight in water	147KG
Shipping dimensions (L,W,H)	1000 x 1000 x 2500mm (can be transported on its side)
Penetration	2100mm
Sample area	2 x 530mm^2 (Ø 89mm)

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