BSL Sediment Sampler – ROV Push Core

General Specifications

- Multiple corer options
- Adjustable corer penetration
- Flexible deployment options
- Sampler baskets options
- Full ocean depth capability
- EMCAED™ Surveys
- Physico-chemistry for pipeline inspections
- Cuttings pile and decommissioning surveys
- Geochemistry of cold water seeps and active pock mark

Services





The Benthic Solutions push corer system was designed for ROV and diver manipulation by Ian Wilson in the 1990's and is based on a standard 89mm OD PVC liner, non-return valve and T-bar handle. The device can be fitted with an optional spring loaded closure device to trap the sample inside the tube once acquired if the geology is unsuitable for self-sealing sample recovery. Core tubes are nominally cut to a length of 60cm with an option to extend this to 120cm in order to acquire sufficient material to recover an undisturbed surface sample along with vertical sediment profiles. The system has become industry standard having been reproduced by other survey companies and academics. The cores are deployed to the seabed by way of a sampler basket which can deliver up to 8 core tubes in a single deployment. BSL's 8-core basket can also be supplied with an extension to allow for core lengths of greater than 80cm.



This tool is particularly useful for obtaining sediment samples surrounding infrastructure and within drill cuttings piles, providing both surficial samples and a vertical profile of the sediment in a single core. BSL's basket system allows for multiple cores to be sampled at the same time to provide sufficient material for subsampling of several parameters. As an ROV deployed system the device can be used to target precise or specific locations such sensitive habitats, bioherms and other active geochemical vents or escape features.



Specifics

Item	Value
Shipping weight (basket and 8 cores)	87KG
Shipping dimensions (L,W,H)	800 x 500 x 600mm
Penetration	600 – 1200mm

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