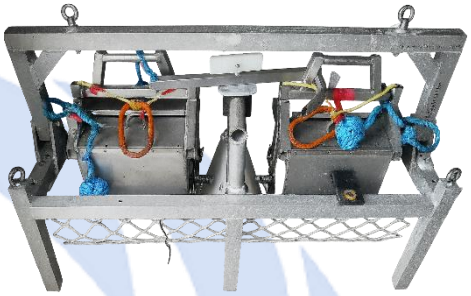
BSL ROV Tooling – Box Core

General Specifications

- 0.1m^2 Sample Area (deployed in duplicate frame)
- Constructed for minimum disturbance
- Stainless steel box, for reduced contamination
- Light weight construction
- Used for detailed environmental, geochemical and surface sedimentological studies
- Requires 5 or 7 function manipulator
- Ideal for decommissioning and cuttings pile surveys



Services

The ROV box corer has a reduced surface area (0.1m^2) which allows for relatively large sample sizes to be recovered in deep water utilising a ROV. The instrument is triggered by the ROV lifting the unit. The depth of penetration (maximum 45 cm) can be controlled via the ROV to prevent over-penetration in softer sediments.

The recovered sample is completely enclosed after sampling, reducing the loss of finer materials during recovery. Stainless steel doors, remain loose during the deployment to reduce any "bow-wave effect" during sampling and remain tightly closed, sealing the sampled water from that of the water column on recovery. This makes the device ideal for structured sediments in sites dfficult to reach using conventional means (such as cuttings piles and sites very close to existing infractracture).

The box corer will be deployed to the seabed via a dedicated basket, or can be carried directly by the vehicle. Multiple corers can be used if replicate samples are required. On recovery to the vessel/platform, the sample can be processed directly through the access doors on the top of the unit.





Specifics

Item	Value
Shipping weight (per corer)	37KG
Shipping dimensions (L,W,H)	
Shipping weight (basket and 2 corer)	188KG
Shipping dimensions (L,W,H)	1350 x 580 x 750mm
Penetration	450mm
Sample area	0.1m^2

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