

### **ABRAMS CORING SYSTEM GC2**

The Abrams Coring System has been designed to optimise sample recovery using standard gravity coring techniques and increase sampling efficiency.

The design of the corer reduces the 'hydraulic effect' as the sample enters the core barrel, thereby increasing sample recovery and reducing sample disturbance of the surface soil.

The system incorporates a hydraulic swivel for the efficient and safe deployment of the corer. The unit is self-contained making it suitable for deployment from vessels with limited handling facilities

The Abrams Coring System provides a rapid method of obtaining core samples offshore in water depths up to several thousand metres.

#### **Applications**

- Geotechnical sampling
- Geochemical sampling for hydrocarbon analyses
- Environmental sampling for baseline / contaminant studies

#### **Specification**

- Corers of variable weight are available
- Barrel lengths from 1.0 m to > 6.0 m
- Core diameter of 84.1 mm OD
- Base dimensions 5.0 m x 1.5 m
- A frame height 5.7 m
- Total weight of unit (excluding winch) approx. 4.5 tonnes

#### **Performance**

Subject to the vessel type, water depths and the speed of winch, the typical performance rate is two stations per hour.

#### **Operational Requirements**

- minimum deck space - 8 m x 2 m along side of vessel, plus 10 m x 2m for deployment frame and winch
- winch and cable minimum SWL 2.5 tonnes (can be provided)
- power supply 415 V

