

KEY FEATURES

65 METER CONTINUOUS CORING DEPTH WITH 12 METER CASING / UP TO 120 METER DEEP CPT AUTONOMOUS TOOL HANDLING / WIRELINE CORE RECOVERY / 3000M OPERATING DEPTH





The CRD100 is a state of the art, fourth generation seafloor drill capable of providing a complete suit e of accurate, and reliable geotechnical services.

An integrated hydraulic power unit, thrusters, telemetry and control system enables the CRD100 to operate without any subsea support in water depths down to 3000m.

Applications

- · Geotechnical seabed drilling and sampling
- · Mineral exploration characterization
- · Methane gas hydrate sampling
- · Downhole instrument deployment

Vessel Interface

- · Matched launch & recovery system available
- 15,000kg A-frame (3g DNV approved)
- Active heave compensated winch
- · Lifting umbilical



Specifications

DRILLS

- Conventional or wireline
- 1500 N-m torque at 200 RPM
- Up to 800 RPM
- Up to 100 mm per minute bit advancement (depending on ground conditions)
- 100 kN push and pull force
- · Onboard polymer injection drilling fluid system

TOOLS

- 65m continuous coring depth with 12m casing
- Industry standard H-size tooling
- 1.5 m rods and core samples
- 61.1 mm core diameter
- · Capacity for up to 96 tools

Benefits

- Improved sample quality. (Decoupling the vessel motion provides a stable drill platform on the seafloor)
- Precise seabed positioning using four thrusters, auto heading & auto leveling legs.
- Deployed off any suitable DP vessel.
- ✓ HSE benefits compared to drill ships by eliminating manual tool handling.

CPT

- Conventional or wireline
- 10 & 15 cm² cones

OPTIONS

- · Conventional or wireline
- 2 cm / second at up to 100 kN
- Wireless real-time transmission of data

CONTROL

- Dedicated 20' ISO container control van
- Dual operator chairs
- Autonomous tool handling
- Eight video channels & sensor feedback on all actuators

PHYSICAL

- Jack up legs for variable height seabed
- · Outriggers for soft seabed
- Custom tooling up to 450mm outside diameter
- Downhole logging tools including natural gamma, conductivity, temperature and magnetic susceptibility
- 3000m operating depth
- 13,500 Kg in air (with full tool suite)
- 10,500 Kg in water
- 5.3 m x 2.4 m x 3.1 m (H x W x D)
- Ships in a standard 20' ISO high cube container

