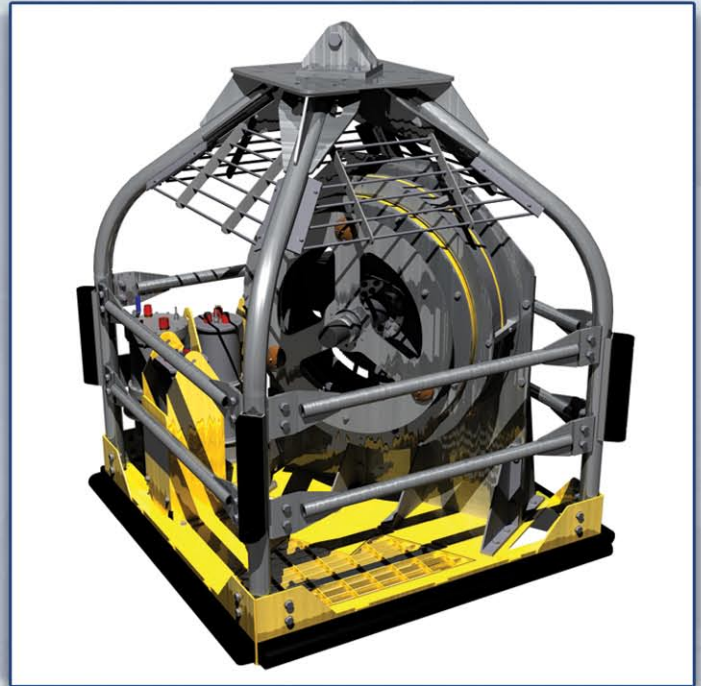




Neptune 3000

Miniature Coiled Rod CPT System

- ▶ **2cm² Detachable Cone, 5cm² Detachable Cone, T-Bar Detachable Cone**
- ▶ **10kN Push Capability**
- ▶ **Up to 10m Penetration from Coiled Rod**
- ▶ **Compact & Easily Deployed Sub-Sea Frame**
- ▶ **Real Time Control and Display**
- ▶ **Single Coax Connection for Power and Data**
- ▶ **Automatic Safety Cut-Outs**
- ▶ **Low Maintenance, Low Consumable Use**
- ▶ **Data Comparable to 10cm² Systems**
- ▶ **Easy to Operate Windows™ based PC Control**



Technical Specification

Dimensions	1602mm(L) x 1602mm(W) x 1963mm(H), all ± 15mm
Weight in Air	1500kg approx.
Weight in Sea Water	1200kg approx.
Thrust Capacity	1000kg (approx. 10kN, 2cm ² 50MPa, 5cm ² 20MPa)
Max Penetration	10m
Depth Rating	3000m
Penetration Speed	2cm/sec ±10%
Retract Speed	5cm/sec approx.
Power Requirement	240 Vac 1ph 50/60 Hz, 2 kw
Umbilical Voltage	650v
Telemetry Link	FSK
Frame Sensors	Altimeters & Tilt
Frame Sensor Data Rate	1 Hz

Tip Accuracy	Better than 100kPa
Sleeve Accuracy	Better than 10kPa
Inclination Accuracy	Better than 1°
Cone Data Rate	20 Hz
Cone Type	Detachable, Digital Subtraction
Cone Sensors	Tip, Sleeve Friction & Inclination
Optional Sensors	Piezo - Ranges to Suit
Cone Tip Area	2cm ²
Cone Sleeve Area	30cm ²
Operating System	Microsoft Windows™ XP, Vista and 7

