

# TDI-BROOKS NEPTUNE 5,000 CPT SYSTEM

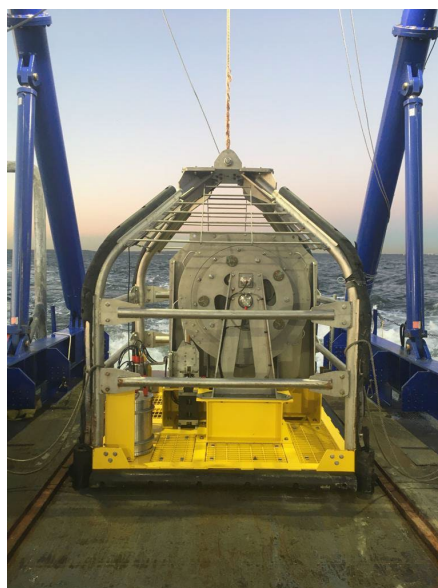
The TDI-Brooks Datem Neptune 5000 Heavy Duty CPT System is a coiled rod Cone Penetration Test System featuring a 35kN Push capability. A coiled tubing CPT system that is easy to mobilize and has a maximum penetration of 20 meters. This CPT unit is commonly used for cable route surveys for offshore renewables and pipeline surveys for oil and gas operators.



The system has real time control and data acquisition and built-in automatic safety cut-outs making it perfect for the renewables market.

- 5cm<sup>2</sup> Detachable Cone, 10cm<sup>2</sup> Cone and T-Bar Cone
- 35kN Push Capability
- Up to 20m Penetration from Coiled Rod
- Easily Deployed Compact Sub-Sea Frame
- Real Time Control and Display
- Single Coax Connection for Power and Data
- Automatic Safety Cut-Outs
- Low Maintenance, Low Consumable Use
- Easy to Operate Windows™ based PC Control

# SPECIFICATIONS



Dimensions	2.2(L) x 2.2(W) x 2.2m(H)	Penetration Speed	2crn/sec $\pm$ 10%
Weight in Air	4500kg approx.	Retract Speed	5crn/sec approx.
Weight in Sea Water	3700kg approx.	Power Requirement	240Vac 1ph 50/60Hz
Thrust Capacity	3500kg (approx. 35kN, 70MPa)	Umbilical Voltage	1000Vac
Max Penetration	20m	Telemetry Link	FSK
Depth Rating	3000m	Tip Accuracy	Better than 100kPa
Cone Type	Digital Non-Subtraction	Sleeve Accuracy	Better than 5kPa
Cone Sensors	Axial load, sleeve friction, pore pressure and dual axis tilt	Inclination Accuracy	Better than 1°
Optional Sensors	Piezo - Ranges to Suit	Cone Data Rate	Selectable up to 20Hz
Cone Tip Area	5cm'	Frame Sensors	Altimeters, lilt and Pressure
Cone Sleeve Area	75cm'	Frame Sensor Data Rate	1Hz
		Operating System	Microsoft Windows™ XP, Vista and 7

Revised 01/24/2022