GeoTool R790

The Geotool is a percussive drilling rig and dynamic penetrometer used for shallow ground investigation and monitoring well installation in areas with restricted access. The rig is capable of undertaking:

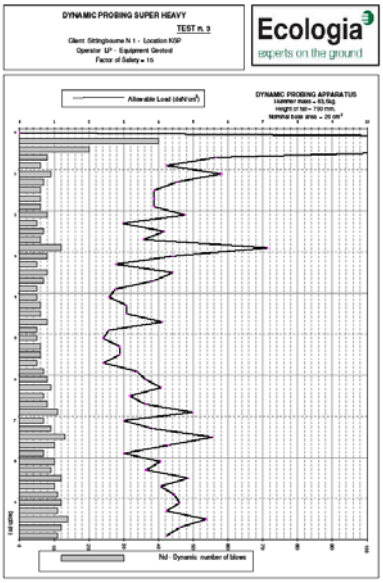
- **Dynamic probing (DPSH, DPH)**
- **Standard penetration Test (SPT)**
- **Concrete coring**
- **Window/Windowless Sampling**
- **U67 Undisturbed sampling**

Drilling Services

GeoTool R790 : Technical Specifications

Undercarriage:
Mini excavator rubber chain crawler with 2 hydraulic gear motors and passive brake
2-cylinder-Diesel -2 direct driven hydraulic pumps
Overall width 780 mm; transport height ca. 1250 mm, transport length ca. 2100 mm

Frame structure:
Adjustment range of the mast to reach vertical position:
Lateral 15 degrees, Front-Rear 30 degrees,
Drop weight: basic weight 10 kg + 2 x 20 kg + 13,5 kg
Drop height: 500 to 750 mm
Blows per minute: 5 - 40
Single blow energy: 50 - 475 Nm



This compact unit is a robust, powerful tool which offers a variety of drilling methods. The self-propelled rig is mounted on rubber tracks and it is therefore capable of negotiating rough terrain, with inclines/declines up to 30 degrees. The rig is equipped with an hydraulic rod extraction system with integrated auto reverse. Other features include a folding mast, take-up attachment for accessories like hydraulic extraction jacks, clamping systems and a table with 3” tube vice.

Ecologia
experts on the ground