Rodded Boretrak®

NON-MAGNETIC BOREHOLE DEVIATION SYSTEM

world leading laser measurement technology

MDL
Laser Systems

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NON-MAGNETIC BOREHOLE DEVIATION SYSTEM

Incorrect setting of drill angles, borehole wander and drilling to incorrect depths result in service problems particularly in the mining, quarrying and construction industries. MDL has designed the Boretrak® as a means of auditing the results of drilling activity quickly and accurately.

The Boretrak® provides a unique solution which can be used for downhole and uphole use. The system is non-magnetic and therefore can be used in all types of rock and flooded holes. It can also be used in areas of ferrous materials and hole casings.

MDL's Boretrak® 3D software allows the user to process data and produce printed and/or plotted results typically within 30 minutes of observation. Data can also be easily integrated into a wide range of software packages including MDL's comprehensive rock profiling package, Face 3D.

The MDL Rodded Boretrak® is the most versatile system for measuring borehole deviation. Uphole surveys can be carried out with this system by fitting extra sensors and modifying the joints.

MDL's Boretrak® 3D software is used to process the data and produce a hard copy of the results. Holes can be displayed individually or in any combination to determine hole separations.

Applications

- Cast blasting
- Exploration drilling
- Dam pinning
- Piling
- Foundations
- Engineering works
- Quarry blasting
- Underground mining
- Pre-split blasting

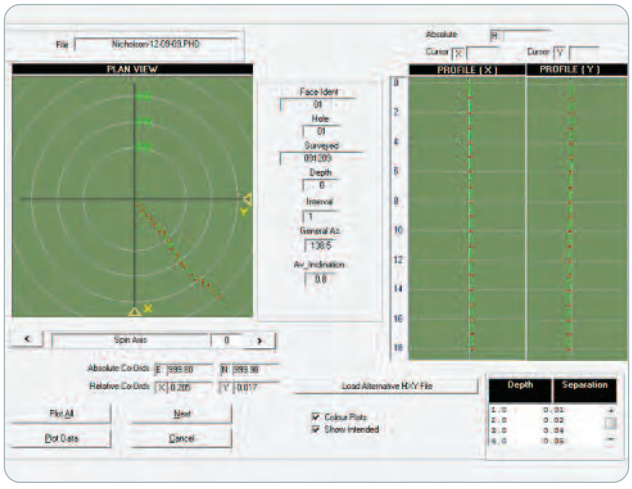
Benefits

- Improved technology therefore improved productivity
- Accurate borehole deviation therefore more accurate burden calculations
- More efficient blasting
- Better fragmentation
- Light and portable
- Simple to use
- Very little training required

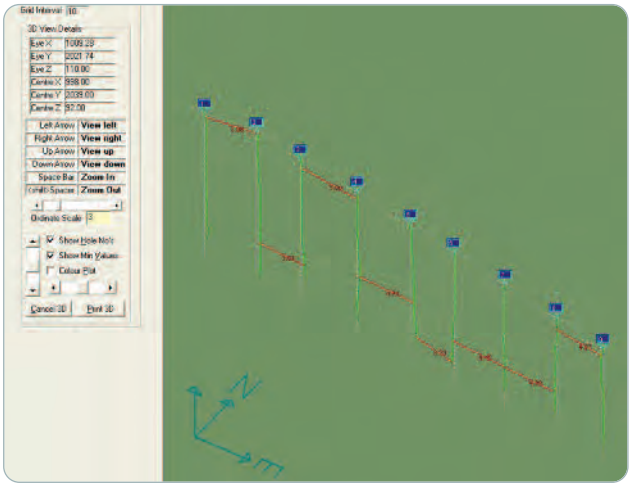
Rodded Boretrak®

Rodded Boretrak® showing complete system including rods and CDU logger

Rodded Boretrak® being lowered down borehole



Boretrak® 3D front elevation, showing minimum and maximum separations



Boretrak® 3D software showing 3D image of all measured holes

Technical Specifications

- Weight of probe: 2.4Kg / 5.72lbs
- Dimensions of probe: 709mm L x 38mm Dia (18.90in L x 1.50in Dia)
- Weight per rod: 0.7Kg/ 1.54lbs
- Dimensions of rods: 25mm Dia x 1m or 2m L (0.98in Dia x 39.37in or 78.74in)
- Dimensions of CDU: 208mm x 110mm x 48mm / 8.19in x 4.33in x 1.89in
- Power 3 x 'D' Cells

Sensor: Dual Axis

- Inclinometer: Range: +/- 30° (from vertical)
  Accuracy: 0.2°
  Resolution: 0.01°

CDU

- Graphics: 4 lines / 20 characters per line
- Memory: 8K
- Data download: RS232, 9600 baud rate
- Power: Rechargeable
- Size: 102mm W x 41mm H x 242mm L / (4.0" W x 1.6" H x 9.5" L)
- Weight: 800g / 28.2oz

Environmental

- Probe: depth rated to 100m/329ft (flooded hole)
- CDU: IP66
- Operating temperature: -10°C to +45°C / 14°F to 113°F
- Storage temperature: -20°C to +50°C / -4°F to 122°F

Agent:

For more information on Rodded Boretrak®:

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