

LaserAce® Scanner



COMBINED REFLECTORLESS TOTAL STATION & POINT CLOUD SCANNER



a world leader in laser measurement technology

LaserAce® Scanner

MDL's LaserAce® Scanner is a ruggedised field instrument, which combines reflectorless laser 'point and shoot' measurement technology and high speed laser scanning.

LaserAce® Scanner can measure up to 2300ft/700m without a reflective target and stores up to 32mb of data on a standard compact flash card.

Additional flash cards can be inserted if more points are required. The use of flash cards eliminates the need for any external PC or control computers. Remote control via PC is available if required.

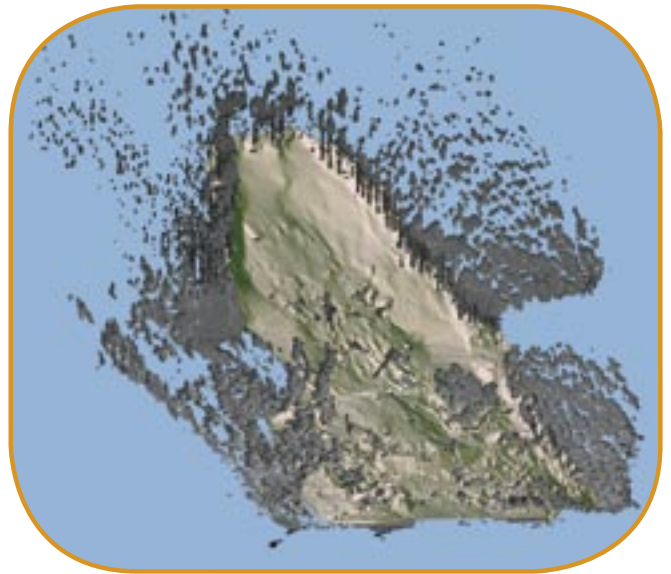
The instrument has a numeric keyboard, which allows for a very flexible coding system when surveying individual features. Observations can be made manually, at a given separation or as a point cloud. Areas to be observed can be selected by rectangle or polygon, and all observations are assigned to separate layers in the post-processing software.

The unit is one-man portable and requires no external computers or data loggers.





 Landslide Survey in Japan (MK 3)



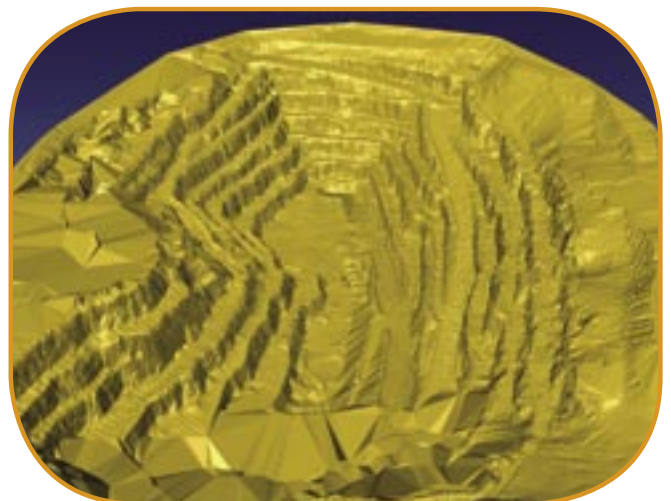
 3D Rendered Image of Landslide



 Photo of Landslide



 Point Cloud scan of MDL offices



 3D Quarry Model



Benefits

- Portable (for one man surveys)
- Survey dangerous & inaccessible areas
- Reduce survey costs
- Minimal operator training
- Export data directly to CAD systems
- No need for external computers or loggers

Applications

- 3D scene modelling & visualisation
- Deformation surveys
- Forensic, accident & crime scene surveys
- As built surveys & street scenes
- Architectural & building conservation surveys

Technical Specification

- Class 1 eye safe laser (FDA/ IEC)
- 700m/ 2300' reflectorless range (no reflective target)
- 5km with reflector (reflective target used)
- Accuracy 5cm/ 2"
- Resolution 1cm/ 0.4"
- 250 points per second
- 3 million point onboard flash card data storage

Environmental

- Water & dust resistant (IP66)
- Operating temperature: -20°C to +45°C

Power & Dimensions

- DC power
- Weight 8.1Kg/ 17.9lbs
- Size 410 x 239 x 177mm (16.1" x 9.4" x 7.0")

**CLASS 1
LASER PRODUCT**



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Information contained is believed to be accurate. However, no responsibility is assumed by MDL for its use. Technical information is subject to change without notice.

Agent:

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