

I-Site 8400 Laser Scanning System

A streamlined solution for topographic survey and stockpile calculations.

ADVANTAGES

- Fastest field to finish capability
- Survey-friendly setup
- Vehicle mount system provides safety and time benefits
- Rail bracket option for scanning cone stockpiles
- Dedicated technical support



The latest laser scanning product from Maptek, the I-Site 8400 is designed for routine scanning tasks in mining and topographic survey applications. It can handle even the largest of survey workloads. Survey workflow results in the fastest field to finish solution.

Optimised for topographic survey, the I-Site 8400 laser scanner features integrated controls and removable data storage in a compact survey system suited for medium range scanning applications. Data is captured and stored on removable memory by controls that are incorporated into the scanner. An option to connect to a hand held controller [HHC] provides extra scan resolution settings.

Manufactured to withstand the rugged conditions of mining, the I-Site 8400 laser scanner is a topographic workhorse with the highest pedigree.

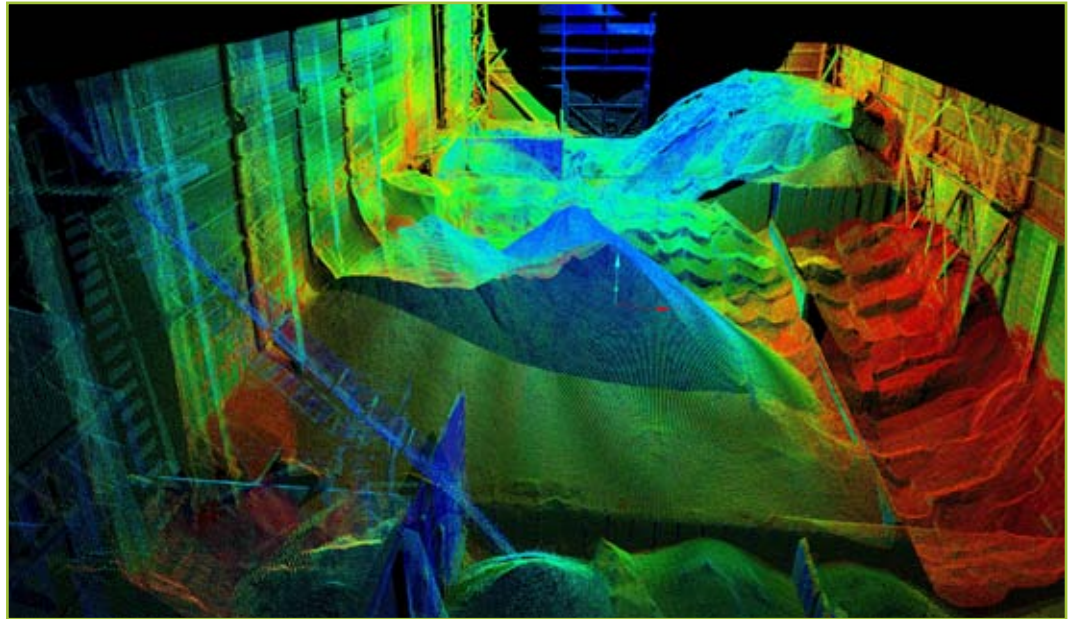
Application: Large Open Pit Survey

In just four hours, the total pit area, measuring 1500 metres by 500 metres, was scanned with 25 setups. Raw data was loaded into I-Site Studio software to produce a comprehensive 3D pit model.

The standalone operation of the I-Site 8400 enabled scanning to be conducted using the I-Site vehicle mount. A tripod setup was also used to access the best vantage point for surveying the scene.

I-Site Studio software provides specific mining and topographic tools to produce fast, accurate results. Functions include automatic toe and crest extraction, instant 3D modelling options, contours, sections and CAD extraction.





Advantages

- Optimised for topographic survey
- Latest premium scanner technology
- Industrial ergonomic design
- Streamlined workflow

Scanning Features

- Range of up to 1000 metres
- Extendable memory
- Integrated controls
- Superior battery life

Application: Indoor Stockpile Volumes

Keeping track of stock movement in indoor stockpiles is a challenging task. Restricted access and space limitations present difficulties for the surveyor tasked with obtaining accurate material volumes.

The I-Site 8400 laser scanner can operate in all environments and records high quality data in a short amount of time.

For this 150 metre long indoor stockpile, the I-Site 8400 laser scanner was used to acquire 10.7 million fully surveyed (georeferenced) points in just 30 minutes.

The scanner was mounted on the crane-operated gantry 12 metres above the stockpile using Maptek's custom stair rail bracket, allowing an uninterrupted view of the stockpiles.

Over 6,500 cubic metres of volume was calculated in just 30 minutes. Data was validated using I-Site Studio software and a volumetric model generated to compare quarterly results.

The I-Site 8400 laser scanner is the most economic system for conducting indoor stockpile surveys.

The I-Site 8400 laser scanner is lightweight at just 12 kilograms. Streamlined setup and superior battery life result in a system which is a pleasure to use.

The removable data storage and direct connection to the optional HHC mean the I-Site 8400 laser scanner is ideally suited for mobile scanning. Maptek manufactures a vehicle mount enabling the I-Site 8400 laser scanner to be mounted on site vehicles.



The I-Site 8400 laser scanner mounted on a crane-operated gantry, 12 metres above the stockpile