The I-Site 8200 is a new, versatile laser scanning system for underground survey applications. The I-Site 8200 is ideal for surveying inaccessible or dangerous areas underground. Surveyor safety is ensured while incredible scene detail is speedily acquired. The IP65 rating ensures the scanner operates reliably in all conditions. With 8mm accuracy, the I-Site 8200 provides enough detail for all survey requirements and geological mapping. With a scanning extent of 125 degrees vertically and 360 degrees horizontally, the I-Site 8200 acquires points every 0.2 degree, in less than 4 minutes. Surveying underground stopes, drives and development headings is fast and safe.

An optional carbon fibre boom provides a reach of up to 10 metres for safely scanning stopes.

The boom can be mounted on an Integrated Tool carrier or the vehicle mounted T-bar, both designed and manufactured to Maptek standards. The boom is easy to extend, and the quick release mechanism allows the scanner to be easily attached and removed.

Large stopes and small narrow vein mining stopes are both easily scanned with the I-Site 8200.
Integrated levelling ensures that scans performed at any orientation do not need adjusting prior to processing.

Conventional survey methods are followed to survey the scans into an operation’s local coordinate system.

One base scan taken from a tripod outside the stope ensures that all data is registered easily to drive surveys.

It takes less than 10 minutes to complete a stope survey with multiple scans. The result is incredible detail over the area of interest.

**WHEN SURVEYING UNDERGROUND, SAFETY IS PARAMOUNT - WITH THE I-SITE 8200 LESS TIME IS NEEDED TO COLLECT DETAILED SURVEY INFORMATION**

The I-Site 8200 scanner can be bundled with either I-Site Void or I-Site Studio software. Rendering images over the surfaces in I-Site Studio allows for further visual analysis.

An optional Geotechnical module in I-Site Studio provides dip and strike, stereonets, great circles, rose diagrams and surface change analysis. Information can be output to Maptek Vulcan mine planning software.

The I-Site 8200 is not only useful underground. It is versatile enough for surface survey applications such as stockpiles. Powerful tools such as integrated GPS, compass and levelling compensator help ensure fast, efficient and accurate stockpile surveying.

For operations with both underground and open pit workings, the I-Site 8200 is an ideal survey system.