



R3 Series

Maptek SR3 Laser Scanner

Fast > Accurate > Portable





Maptek SR3 Laser Scanner

Maptek™ SR3 laser scanner is a dedicated underground survey system combining fast accurate sensing, high resolution digital imagery and powerful modelling software for improving overall productivity and project safety.

The Maptek SR3 is 30% smaller and 25% lighter, with 2.5 times faster data acquisition than the earlier I-Site 8200 series. The system is protected to IP65 for reliable operation in rugged underground environments.

The optional internal 147MP HDD panoramic camera produces superior digital imagery for geological and geotechnical analysis and high impact visualisation.

The new SR3 laser scanner features the hallmark Maptek ease-of-use that helps boost mine safety and productivity. Combined with fast processing software, it allows operations to accurately report 3D survey data for voids, drives and tunnels.

The SR3 is ideal for geological and geotechnical applications, with the 80° field of view camera window beneficial for close range wall imaging.

A scan window of 130° vertically, and 360° horizontally captures roofs and walls in tunnels and underground drives without the need for complicated configurations. Whatever the orientation of the scanner, integrated levelling automatically corrects scans before processing.

The wirelessly connected tablet PC allows users to define scan parameters, resolution and scan rate, as well as create and name files using standard survey conventions.

Maptek laser scanning systems can be set up on a tripod, mounted on mine vehicles or equipment, or attached to a custom boom for extension into stopes, caverns and hard to reach places.

New Features

- 25% lighter
- 30% smaller
- Maximum range 600m
- Range accuracy of 4mm
- Repeatability of 3mm
- 100kHz, 200kHz acquisition rates
- High dynamic range panoramic camera (optional)
- Overlay CAD strings on scans
- HTML-enabled scan operation
- Multi-point returns

Hallmark Features

- IP65 protected for tough conditions
- Automated, streamlined survey registration
- Ergonomic industrial design
- Integrated standard controls in a quality design
- Production facility with ISO 9001 quality certification
- Versatile mount options



Maptek laser scanning solutions are purpose-built for delivering timely spatial results. We understand the importance of accurate survey data to improve your business performance and shareholder value.

Reasons to use

- Hardware designed for tough industrial environments
- Ergonomic design for safe handling and easy setup
- Integrated, easy to use survey workflow
- Mounting options, including boom, to suit various applications
- 3D view of acquired scans aids visualisation into stopes
- Automatic scan levelling regardless of scanner orientation
- Integrated laser pointer for easy backsighting to targets underground
- View CAD strings, surfaces on scans
- Hardware and software developed concurrently
- Multiple scans queued for maximum efficiency
- Simple data transfer via USB memory stick
- Optional geotechnical analysis with specialised PointStudio module
- Compatible with Maptek Drive, Maptek Sentry and Maptek PerfectDig
- Technical support and warranty protection

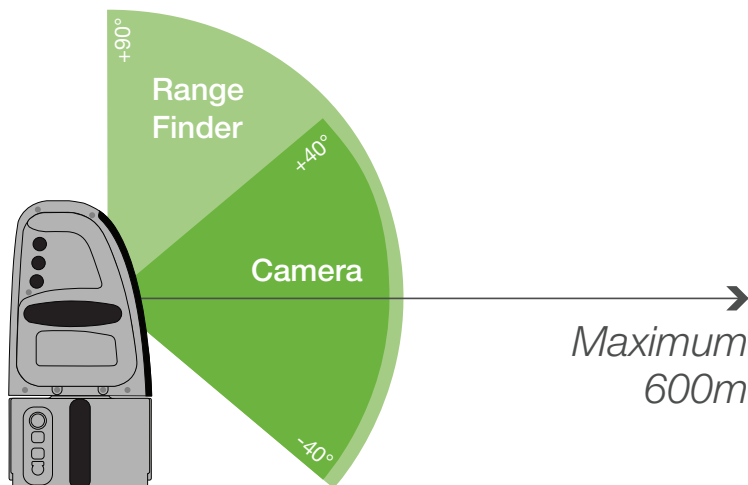
Applications

- Stope and drive survey
- Geological mapping of development headings
- 3D mapping of underground workings
- Rock bolt identification
- Pre and post-shotcrete analysis
- Geotechnical/kinematic analysis
- Safety offset modelling
- Stockpile reconciliation
- Design conformance

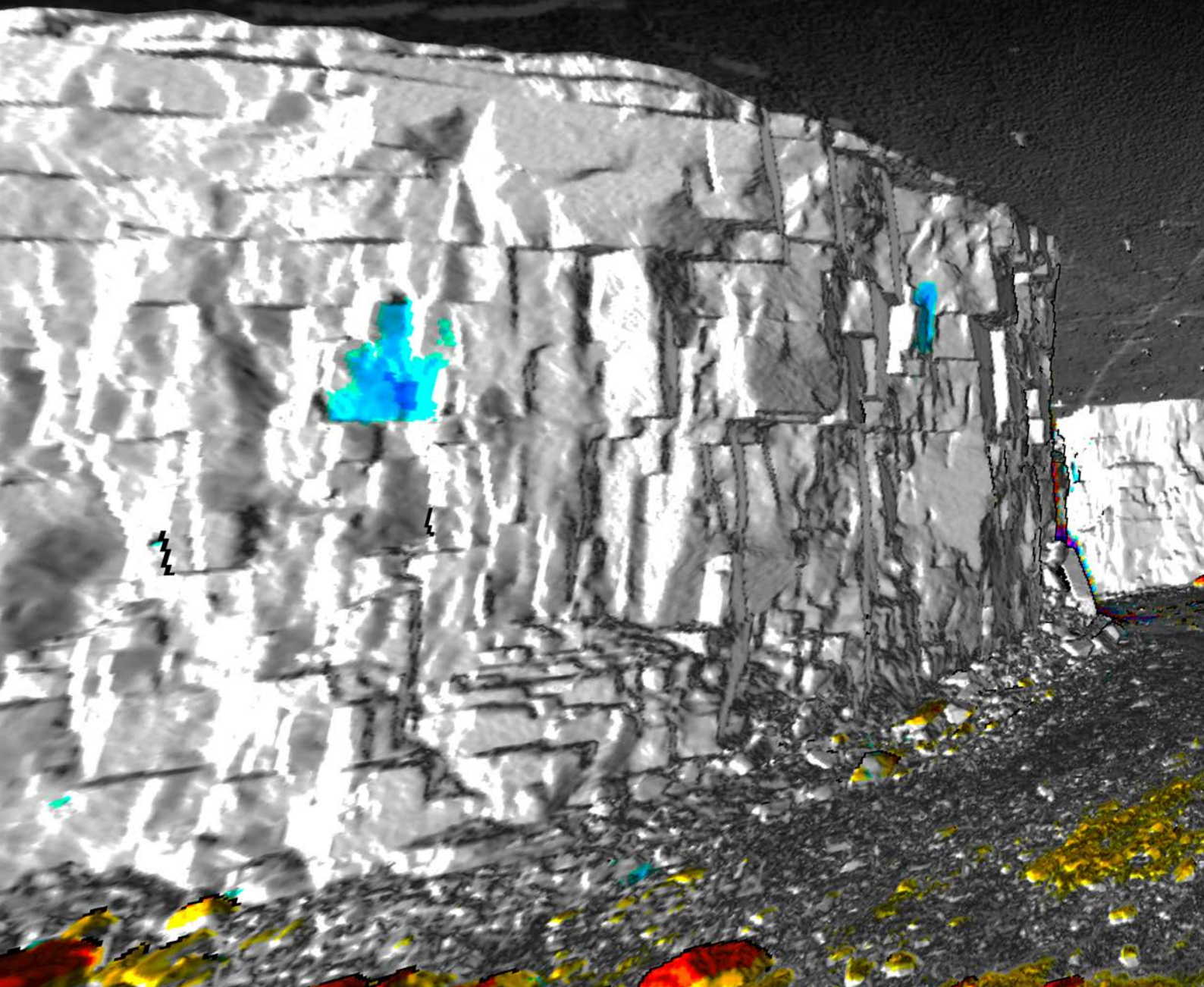
Accessories

Designed to maximise workflow

- Survey in difficult access areas
- 4-section extendable boom
- Lift mount for utility or vehicle tray
- Bracket mount for IT carrier
- Standard site vehicle mount
- T-bar for survey positioning
- Hatch or stair rail bracket for silo and tank operations



Contact Maptek to request a technical specification sheet



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Maptek SR3 Overview

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