



R3 Series

Maptek Drive

Continuous acquisition of laser scan data for survey applications





Flexible system to quickly acquire laser scan data

Maptek™ Drive allows the continuous acquisition of laser scan data from a Maptek laser scanner mounted on a moving vehicle.

Maptek Drive is a flexible and cost-effective mobile laser scanning solution. Use the same laser scanner for tripod, vehicle-mounted stop-go, rail or hatch-mounted survey, and continuous survey.

The Inertial Navigation System (INS) installation in the Maptek Drive vehicle mount allows the laser scanner to acquire data continuously and automatically assigns real world coordinates to the data, ready for processing.

Stockpile reconciliation is simple and accurate - measurements and volumes can be quickly captured using Maptek Drive. High accuracy survey for face mapping is possible with the same laser scanner using tripod setup. Stationary scans for quick surface updates can also be conducted using Maptek Drive.

Maptek laser scanners can also be mounted and transported on common site vehicles for stop-go scanning without the INS. Collecting measurements from the safety of a vehicle minimises disruption to operations and reduces risk to operators.

Using Maptek Drive



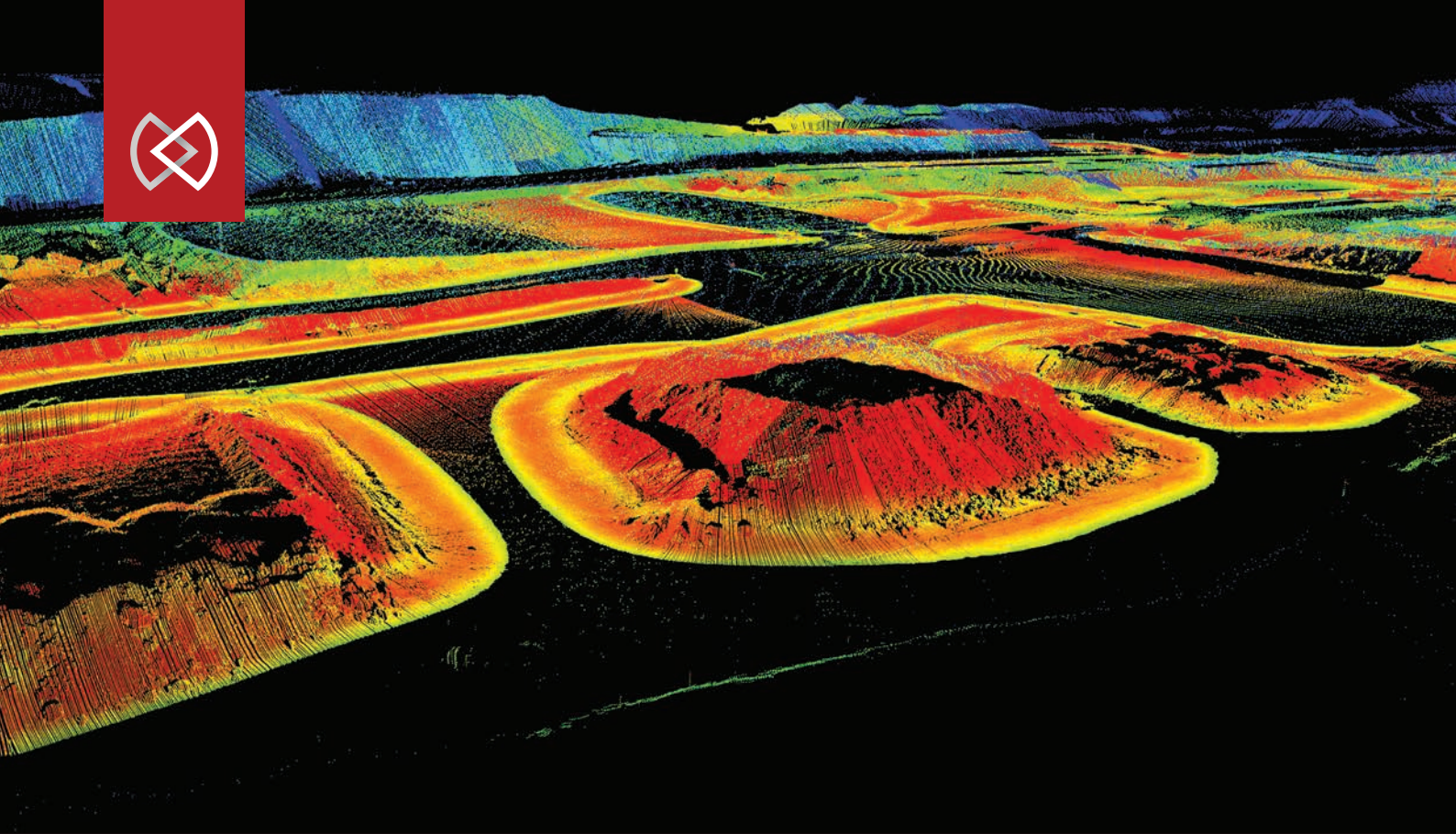
Install Maptek laser scanner on the Maptek Drive mount. Connect GPS and power supply.



Use Maptek Drive software on field tablet to establish GPS connection and determine scanning parameters.



Travel to scanning location. Maptek Drive system will automatically calibrate while the vehicle is in motion.



Flexibility

- Use the same laser scanner for tripod, vehicle-mounted stop-go, rail or hatch-mounted survey, stationary and continuous scanning
- Survey stockpiles, open pits, quarries, corridors and roads, and map geology
- More cost effective and flexible than comparable mobile systems

Accuracy

- Improved stockpile volume accuracy over conventional vehicle-based methods
- Highest survey accuracy for geological/geotechnical analysis also possible with tripod setup

Productivity

- Data points automatically registered into real world coordinates
- Smart registration and visualisation tools
- Workflow tailored for mining, bulk handling and quarry operations enables frequent stockpile reconciliation
- Capture top of coal for reconciliation with the geological model

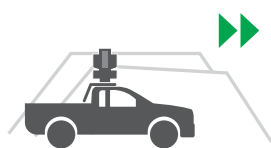
Speed & safety

- Rapid data collection reduces survey time
- Interruption to site activities minimised
- Safe survey from the vehicle removes the need for people to be in active areas

Applications

- Stockpile reconciliation
- Top of coal survey
- Mine/quarry road survey
- Pit surface update
- Bulk handling material volumetrics
- Powerline/pipeline corridor survey

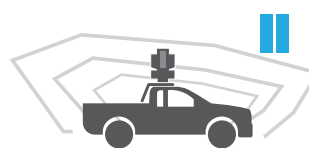
Surveying with Maptek Drive



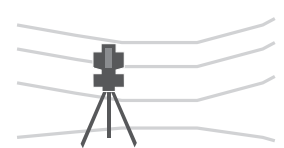
Continuous



Stationary



Stop go



Tripod



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Maptek Drive Overview

BRAZIL	+55 31 3224 4888
CANADA	
MONTRÉAL	+1 514 700 7203
VANCOUVER	+1 604 299 7613
CHILE	+56 32 269 0683
MEXICO	+52 55 5250 8028
PERU	+51 1 476 0077
SOUTH AFRICA	+27 11 750 9660
UK	+44 131 225 8447
USA	+1 303 763 4919

AUSTRALIA	
ADELAIDE	+61 8 8338 9222
BRISBANE	+61 7 3316 2800
PERTH	+61 8 6211 0000
SYDNEY	+61 2 9957 5554

solutions@maptek.com
www.maptek.com