



# RT3D

## REAL TIME 3D LASER SCANNING SYSTEM

EFFICIENT - SAFE - ACCURATE - SIMPLE - PRACTICAL - AFFORDABLE

- Ideal for mapping long drifts quickly and efficiently
- Can be mounted on cart for ore pass scanning
- Suitable for whole mine mapping

### INCREASES EFFICIENCY

RT3D can be mounted on any mining vehicle and scans in real time as the vehicle is moving. Therefore scan is completed much faster compared to stationary scanners.

### TECHNICAL SPECS

- Scanning Principle: Rotating Mirror & Scanner Head
- Scanning Capability: Stationary/Mobile (SLAM)
- Stationary Scanning Speed: 30 Seconds
- Range: 120m
- Laser Class: 1, safe to the eye in accordance with IEC
- Laser Wavelength: 905 nm (invisible)
- Startup Time: Approx. 30 sec
- Field of View: 360 deg
- Angular Resolution: 0.25 deg
- Ambient Temperature & Humidity: -10 deg C to +50 deg C, 85% RH
- Storage Temperature & Humidity: -30 deg C to +70 deg C, 85% RH
- Vibration Resistance: 10 to 55 Hz
- Sensor Protection Structure: designed for IP65
- Weight: 1.7kg
- Material: Polycarbonate & Aluminum
- Dimensions: (20 x 17 x 18)cm

### BENEFITS AND FEATURES

- Designed for harsh environments
- No mobile scan pre-processing required
- Robust and cost-effective
- Easy to use
- Impact-resistant enclosure
- Capable of mobile and stationary 3D Laser Scanning
- Mountable on any vehicle
- Extensively tested in underground mines
- 3D visualization, localization and mapping
- Uses SLAM algorithm for positioning and mapping in real time

### INCLUDES

- RT3D Scanner
- Monitor
- Geo-referencing markers
- Post-Processing Software
- Carrying Case
- Accessories
- Phone and Email Support
- Optional Maintenance Plan

