

Real-Time Volumetric Scanner Revolutionising Rail Productivity

Real-Time Volumetric Scanning Software for Wagon Load Optimisation

The Trakblaze RVS is a rail industry specific volumetric scanning system that provides accurate and reliable volumetric data for each wagon.

The Trakblaze RVS enables rail loadouts to become more efficient and payloads are maximised each and every time through real-time scanning.



System Description

The Trakblaze RVS software has been developed specifically to allow direct acquisition of data from High-Speed 2D lasers over an IP network and custom developed algorithms built into the software, use captured data to generate volume information and measurement parameters for each train or wagon allowing for improved productivity through full-time monitoring of mission critical data.

The goal of the software which runs on a Microsoft™ Windows platform is for fast calculation deliverables of real time feedback and key metrics to optimise loading of each and every wagon. In turn, this assists operators in the fine tuning of loading operations.

The RVS and MVS is easy to install, with training available from Trakblaze's highly skilled engineers via Zoom or on-site. It's essentially a do-it-yourself product

MVS

Mobile Volumetric Scanner

Advancing Volumetric Efficiency Through Innovation



System Features

The scan processing software provides near real-time outputs to the industrial data network.

- Calculation of production critical parameters in approx.10 seconds or less.
- Easy installation and configuration.
- TCP interface to 2 x Lidar lasers to gather raw data.
- MODBUSTCP interface to provide an industry standard data delivery mechanism.
- Data items delivered to the industrial network are:
 - Loaded Volume (m³)
 - Tare Volume (m³)
 - Net Volume (m³)
 - Data Valid flag (valid / not valid)
 - Laser status flag for remote maintenance monitoring (Error, Contamination, OK)

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