

AUTOMATED VOLUMETRIC SCANNING

Your Key to Accurate Measurement and Guaranteed Production

What It Is

An automated system using advanced laser (LiDAR) scanners to instantly and accurately measure the volume of material on haul trucks or in stockpiles, eliminating costly guesswork and manual errors.

How It's Used in Your Industry

- **Mining:** Crucial for accurately measuring the load volume of every haul truck. It ensures precise production figures, prevents under/over-loading, and provides accurate data for stockpile management.
- **Construction:** Essential for calculating earthworks volumes (cut-and-fill) on civil projects and measuring sand, stone, or G5 stockpiles for exact billing and material tracking.
- **Agriculture:** Used for measuring the volume of silage pits, manure heaps, or grain piles to precisely manage feed inventory and operational outputs.
- **Energy:** Ideal for quantifying the volume of biomass or coal stockpiles at power generation facilities for accurate fuel management.



Benefits for Your Operation

- **Guarantee Production Accuracy:** Eliminate human error and get precise, repeatable measurements for production reconciliation and client billing.
- **Maximise Operational Efficiency:** Keep your production moving with automated, drive-through scanning that takes only seconds per truck.
- **Enhance Profitability:** Prevent revenue loss from under-loaded trucks and avoid overload penalties, fines, and excess vehicle wear and tear.
- **Eliminate Disputes:** Provide a verifiable, time-stamped digital record of every load for transparent and indisputable reporting to clients, contractors, and stakeholders.

The MadiniTech Solution

For maximum agility and zero capital outlay, our **Technology-as-a-Service (TaaS) model** is the ideal choice. We deploy our advanced technology and skilled teams directly to your site, delivering guaranteed results on a simple operational budget.

For clients who prefer to own the technology asset, our **End-to-End System Integration** offers a complete turnkey solution where we manage every detail to ensure your investment performs from day one.

Our comprehensive process includes:

- Consultation & Risk Assessment.
- Sourcing & Procurement.
- Installation & Deployment.
- Configuration & Integration.
- Comprehensive Training.
- Commissioning & Handover.
- Ongoing Support & Maintenance.