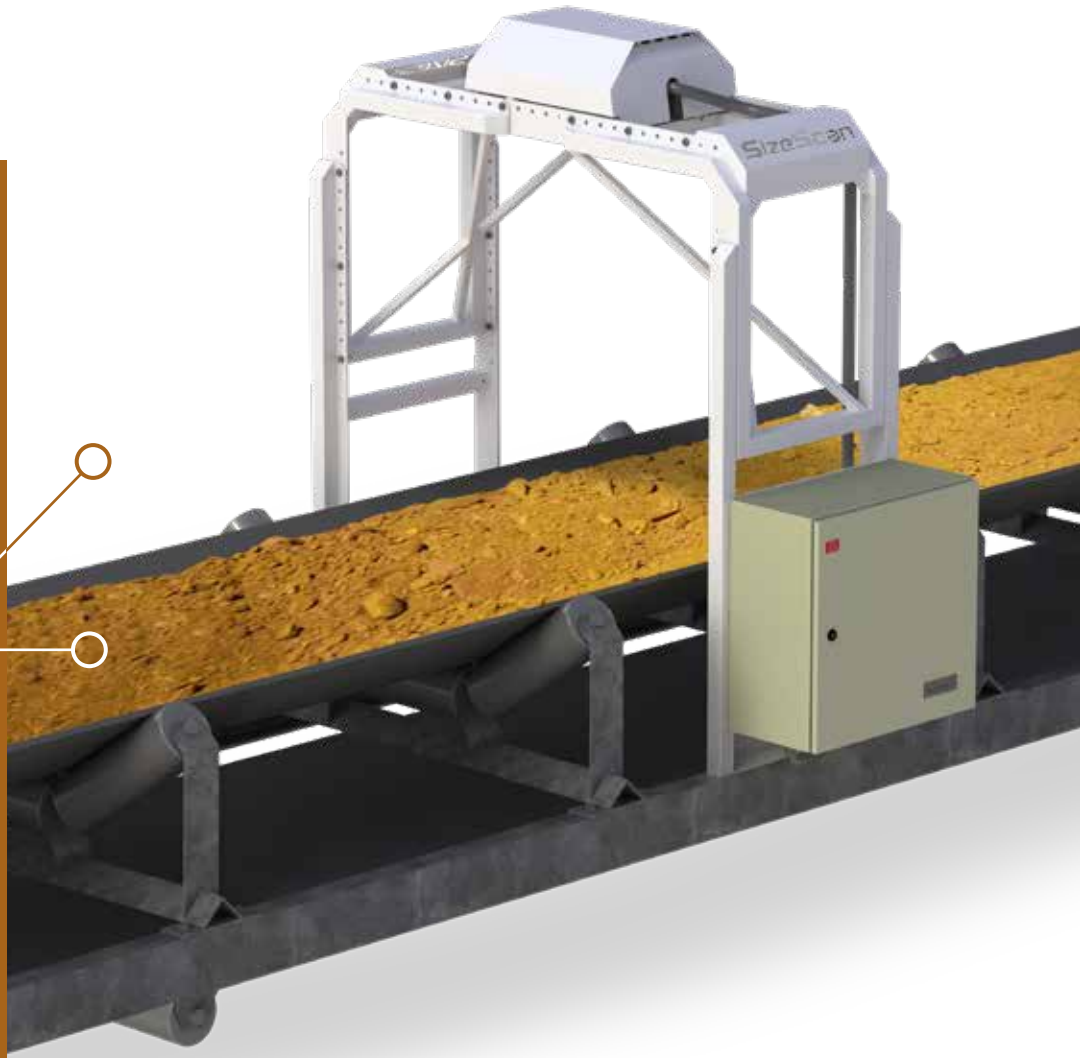
SizeScan

PARTICLE SIZE DISTRIBUTION ANALYSER



SizeScan™ Advantages

- Real-time Particle Size Distribution (PSD) analysis removes the need for sampling.
- State-of-the-art PSD algorithm.
- Direct PSD measurement of conveyed rock including volume, flow rate and speed, without the need for additional sensors.
- Not affected by dust.
- Does not need controlled lighting.
- Reliable results for all types of conveyed materials.
- Compensates for camera position and vibration, maintaining PSD accuracy.
- Adjustable frame bolts onto stringers.
- Easy once-off calibration process.
- Minimal maintenance.
- No interference with material flow or belt operation.
- Flexible plant interface options.
- Can be integrated with Scantech's other analysers.
- Alternatively configurable for foreign object detection.

SizeScan™ Applications

Real-time PSD analysis provides active process control to make decisions that maximise the value of the product and minimise operating and maintenance costs.

Typical applications include:

- Empty belt detection.
- Optimise blast fragmentation.
- Monitoring feed to a SAG or AG mill (e.g. to ensure sufficient proportion of large particles to assist in grinding).
- Assessing crusher output (e.g. actively managing crusher gap settings).
- Monitoring product sizing.
- Optimising raw material mix for downstream processing.
- Monitoring HPGR feed to ensure fraction sizes are below allowable limits.
- Equipment damage prevention.
- Scrap / foreign object detection.

SCANTECH
Process control specialists

CERTIFIED ISO 9001
BUREAU VERITAS

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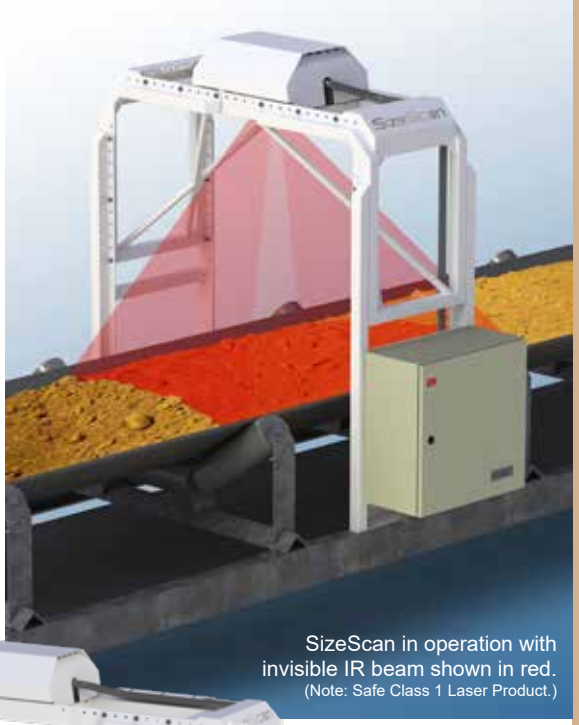
SizeScan™ Description

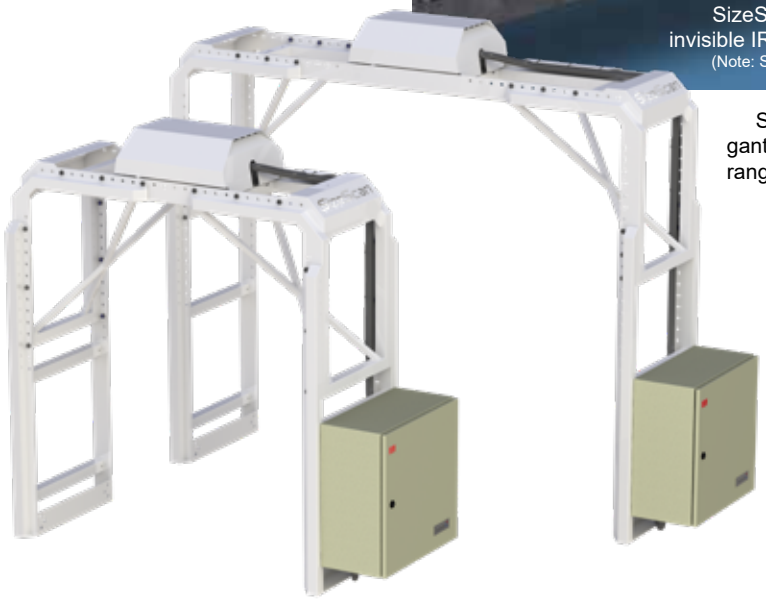
SizeScan utilises the latest in 3D infrared camera technology and proprietary imaging algorithms to measure PSD of conveyed bulk materials.

The state-of-the-art PSD algorithm is superior to traditional 'segmentation' methods that misdiagnose a bed of fines as large particles.

SizeScan uses technology developed by COREM in Quebec, Canada.



SizeScan in operation with invisible IR beam shown in red.
(Note: Safe Class 1 Laser Product.)



SizeScan's adjustable gantry frame suits a wide range of conveyor widths and material heights.

Scantech's Analysers

Scantech provides the recycling, energy, mining, coal, steel and cement sectors with analysers for a wide range of applications and environments. Scantech can deliver online solutions that suit your process, reduce your operating costs and minimise Health, Safety and Environmental risks for your operations. Whether you need to monitor moisture, ash, sulphur, mineral or energy content we have the right application for your needs and budget.

Real time analysis during the various phases of production provides operators with significant opportunities for plant optimisation and quality control. Over the past four decades, Scantech analysers have become a standard process control tool in the resources and recycling sectors. Scantech analysers are a fundamental component of companies' digital technology strategies utilising real time measurement systems to enable core processes to become fully integrated, autonomous, remote and automated.

Scantech Products

- **GEOSCAN GOLD Premium On-belt Elemental Analyser for Minerals**
- **GEOSCAN-M On-belt Elemental Analyser for Minerals**
- **IRONSCAN 1500 On-belt Natural Gamma Iron Ore Analyser**
- **MINERALSCAN 1500 On-belt Natural Gamma Minerals Analyser**
- **MINERALSCAN 2100 On-belt Density Analyser**
- **ReadiMoist CM 200 On-belt Conductive Material Moisture Analyser**

- **GEOSCAN-R On-belt Elemental Analyser for Recycling**
- **ReadiMoist TBM 280 Through Bale Moisture Monitor**
- **ReadiMoist CM 200-R On-belt Conductive Material Moisture Analyser for Recycling**

- **BALZSCAN 9500X On-belt Elemental Analyser for Alternative Fuels**
- **BALZSCAN 2100 On-belt Ash Analyser for Alternative Fuels**
- **ReadiMoist TBM 280 Through Bale Moisture Monitor for Alternative Fuels**

- **GEOSCAN-C On-belt Elemental Analyser for Cement**
- **BLENDSCAN Process Control for the Cement Industry**
- **ReadiMoist TBM 260 Through Bin Moisture Analyser for Concrete**

- **GEOSCAN-S On-belt Elemental Analyser for Steel**
- **ReadiMoist CM 200-S On-belt Conductive Material Moisture Analyser for Steel**

- **COALSCAN 9500X On-belt Elemental Analyser for Coal**
- **COALSCAN 1500 On-belt Natural Gamma Ash Analyser**
- **COALSCAN 2100 On-belt Ash Analyser**
- **CIFA 350 Carbon in Fly Ash Analyser**

- **ReadiMoist TBM 210/220/230/240 Through Belt Moisture Analysers**
- **ReadiMoist TBM 260 Through Bin Moisture Analyser**
- **SIZESCAN Particle Size Distribution Analyser**

REPRESENTATIVE

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Scantech Products have Patented Technology & Registered Trademarks

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