

### ON-BELT DENSITY ANALYSER



#### MINERALSCAN 2100 Applications

Real-time mineral quality data provides active process control, with timely information on composition, to make decisions that maximise the value of the resource, optimise product quality and minimise operating costs. Typical applications include:

- Analysis of trona and potash insolubles content for real time process control;
- Density analysis to indicate quality variability;
- Blending materials to create consistent process feed quality or to meet product specifications;
- Analysis for real time process control;
- Bypass applications where product quality material bypasses the plant.

#### MINERALSCAN 2100 Advantages

- Low investment and maintenance costs;
- Simple installation;
- No contact with the material or the conveyor belt;
- Simple calibration;
- No sampling necessary during normal operation;
- Standard plant interfaces, including RS422 and Ethernet;
- IP65 (NEMA4) protection to suit typical plant conditions;
- Optional SUPERSCAN display software;
- Local technical support;
- Support via remote connection.

## MINERALSCAN 2100 Description

The MINERALSCAN 2100 is a single enclosure designed to be installed directly on production conveyor belts.

The MINERALSCAN uses a dual gamma ray beam which passes through the entire conveyed bed. The ratio of the two count rates from gamma ray beams is proportional to the density and composition, independent of bed depth. This technology provides the most rapid measure of variations in material quality.

The standard MINERALSCAN can be customised to suit plant requirements.

Options include:

- TBM Moisture Kit;
- Stainless steel electronics cabinet;
- SUPERSCAN display and reporting system;
- Customised plant interfaces;
- Customised frames for wider belts and higher tonnage applications.



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## 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 three 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 have  
Patented Technology &  
Registered Trademarks

## 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
- CM 200 On-belt Conductive Material Moisture Analyser
- GEOSCAN-R On-belt Elemental Analyser for Recycling
- TBM 280 Through Bale Moisture Monitor
- 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
- TBM 280 BaleScan Through Bale Moisture Monitor for Alternative Fuels
- GEOSCAN-C On-belt Elemental Analyser for Cement
- BLENDSCAN Process Control for the Cement Industry
- TBM 260 ReadMoist Through Bin Moisture Analyser for Concrete
- GEOSCAN-S On-belt Elemental Analyser for Steel
- 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
- TBM 210/220/230/240 Through Belt Moisture Analysers
- TBM 260 Through Bin Moisture Analyser
- SIZESCAN Particle Size Distribution Analyser

## Specifications

### Dimensions & Weight Measurement C Frame

Length	0.60 m (0.86 m*)
Width	1.45 m
Height	1.16m
Weight	150 kg (170 kg*)

\* with TBM Moisture Kit

Specifications subject to  
change without notice.