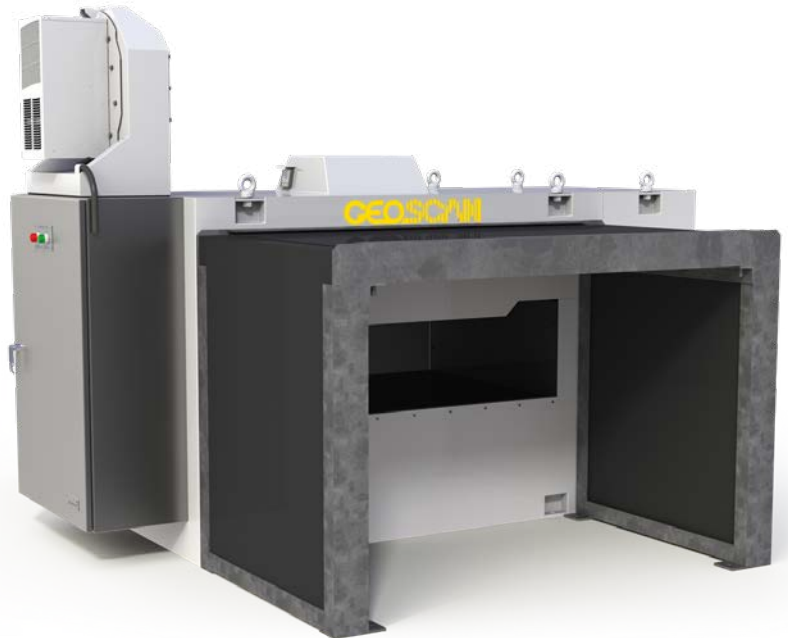


# GEOSCAN

## GOLD

PREMIUM QUALITY  
ON-BELT ELEMENTAL  
ANALYSER  
FOR MINERALS



### GEOSCAN GOLD Applications

Premium measurement performance for demanding applications. High quality real time elemental analysis for conveyed flows where precision and short measurement times are essential for optimal control. Ideal for bulk diversion (bulk sorting) and fine control where elements at ppm levels need to be measured or determined from proxies, such as gold, platinum group elements, silver, toxic contaminants e.g. mercury, cadmium, chlorine, etc.

### GEOSCAN GOLD Technology

GEOSCAN GOLD incorporates a high performance proprietary detector array giving a better, cleaner spectrum at lower concentrations for superior element recognition. The sophisticated array overcomes limitations of conventional, low efficiency detection systems. The GEOSCAN GOLD can operate at extremely high count rates with negligible pulse pile-up.

This innovation vastly improves the signal to noise ratio and spectral peak resolution, enabling elemental detection at lower levels.

### GEOSCAN GOLD Advantages

- Uniquely measures gold representatively and directly in conveyed flows;
- Ultra-compact design. Installs between standard idlers;
- Unmatched proven performance;
- Operational at completion of commissioning;
- Customised calibrations;
- For belts up to 2400mm wide and 530mm deep;
- No contact with material or conveyor belt;
- No sampling necessary during normal operation;
- No wear parts = low maintenance;
- Optional customised SUPERSCAN console;
- Interface to most process control systems;
- Proven short paybacks in many applications (bulk diversion, blending, monitoring, feed forward, etc.) to optimise plant performance.

**SCANTECH**  
*Process control specialists*

ISO 9001  
BUREAU VERITAS  
Certification



## GEOSCAN GOLD Description

The GEOSCAN GOLD Elemental Analysis System is a compact, fully integrated, single IP65 rated enclosure, which is installed on the conveyor and monitors the full flow of ore and concentrates, without the need for routine samples to be taken and analysed. The GEOSCAN GOLD provides real time information, with updates as often as every 30 seconds with high measurement precisions. Trace elements can be measured to ppm levels with high confidence. Typical elements analysed are Gold, Copper, Nickel, Mercury, Cadmium, Silver, Titanium, Sulphur and Chlorine. It is used in precious metals, PGEs, base metals, lithium, diamond ores and other critical commodities. This premium technology provides real time analysis of the important quality parameters for process control. The analyser is fully contained in the single, heavily shielded enclosure that contains the radioactive source, gamma-ray detection assembly and all electronics. Industry standard communication outputs are available for interface with any plant control system or with Scantech's SUPERSCAN output display system installed in any suitable remote location.



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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

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## 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

Length	1.00 m
Width	2.24 m
Height	2.04 m
Weight	2500 kg approx.

(Plus 1,200kg for shield extensions)

Specifications subject to  
change without notice.

Details shown for standard model.  
Large and Extra-Large sizes available.