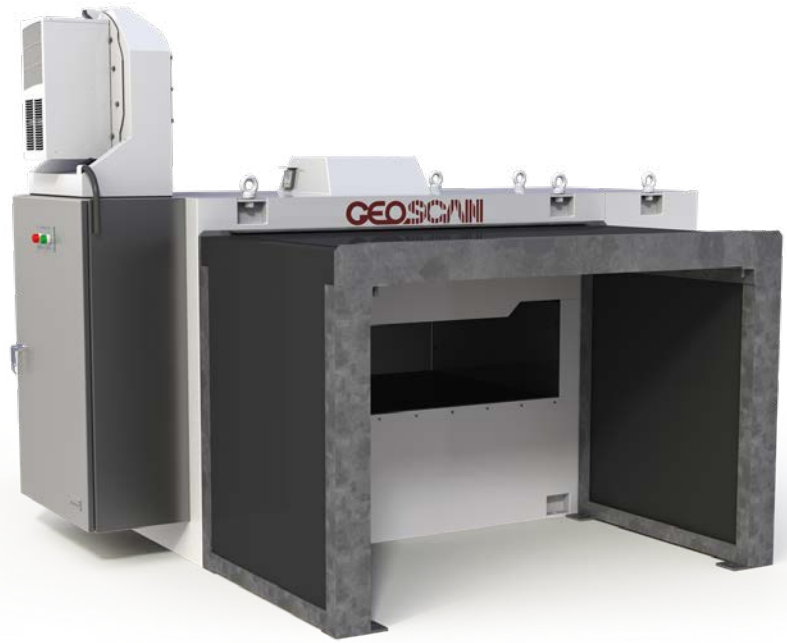
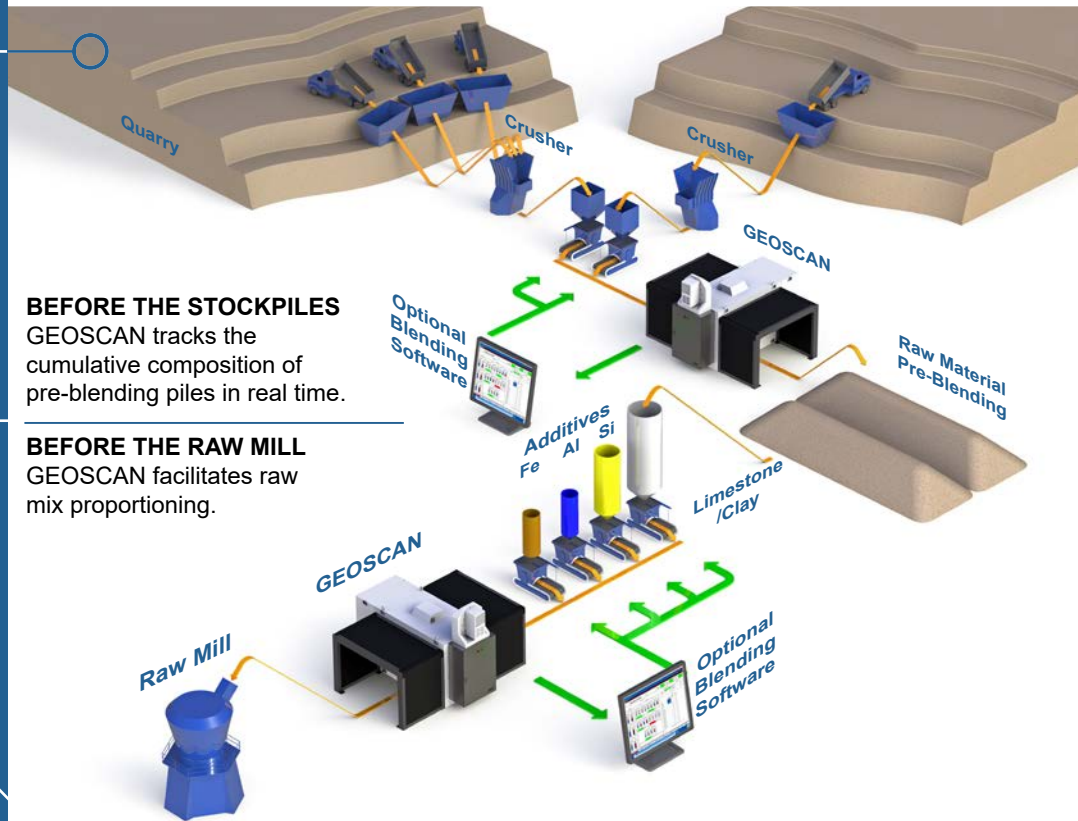


ON-BELT ELEMENTAL ANALYSER FOR CEMENT



GEOSCAN-C Applications



BEFORE THE STOCKPILES
GEOSCAN tracks the cumulative composition of pre-blending piles in real time.

BEFORE THE RAW MILL
GEOSCAN facilitates raw mix proportioning.

GEOSCAN-C Advantages

- Small Footprint
- Very Light
- No Contact with the Belt
- High Performance Detectors
- Multi-Detector Configuration
- Advanced Digital Electronics
- Easy Calibration
- No Isolation Zone Required

GEOSCAN-C Technology

Belt Load	Minimum 20 kg/m
Optional Extra	<ul style="list-style-type: none"> • Microwave Moisture Measurement • Inbuilt Roof • Stockpile or Raw Mix proportioning software and hardware • Automatic Source Drive
Measurement Time	Typically 2 minutes, user selectable
Analysis Method	Prompt Gamma Neutron Activation Analysis
Standard Elements Analysed	Calcium, Silicon, Aluminium, Iron, Potassium, Titanium, Manganese, Sulphur, Chlorine, Magnesium, Sodium, Phosphorus
Quality Control	LSF, AM, SM, Alkali, C3S, C2S, C3A, C2F, C4AF, ...

GEOSCAN-C Description

The GEOSCAN-C has been developed in response to market demand for an online analyser applicable to a wide range of bulk materials that offers excellent precision and accuracy for a reasonable price.

Scantech drew on its vast experience in online analysis to produce an instrument that employs state-of-the-art through belt neutron interrogation techniques.

The GEOSCAN-C uses the technique of Prompt Gamma Neutron Activation Analysis (PGNAA) to perform typically every two minutes elemental analysis of bulk material passing through it on a standard conveyor belt.

GEOSCAN-C has been engineered as a compact, fully-integrated, single enclosure, which accepts conveyor belt sizes from 600mm to 2400mm. Material flow rates are unlimited.

Lump size has no influence on results.

GEOSCAN-C is comprised of a heavily shielded section that contains the nuclear source, gamma-ray detection assembly and electronics cabinet.

The empty return belt travels underneath the analyser.

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.

	GEOSCAN-C		
	Standard Frame	Large Frame	Extra Large Frame
Conveyor Width	600 to 1400mm	600 to 2200mm	600 to 2400mm
Material Top Size	Typically 200mm	Typically 300mm	Typically 450mm
Bed Depth	Maximum 280mm	Maximum 380mm	Maximum 530mm



Scantech Products have Patented Technology & Registered Trademarks

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- 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.