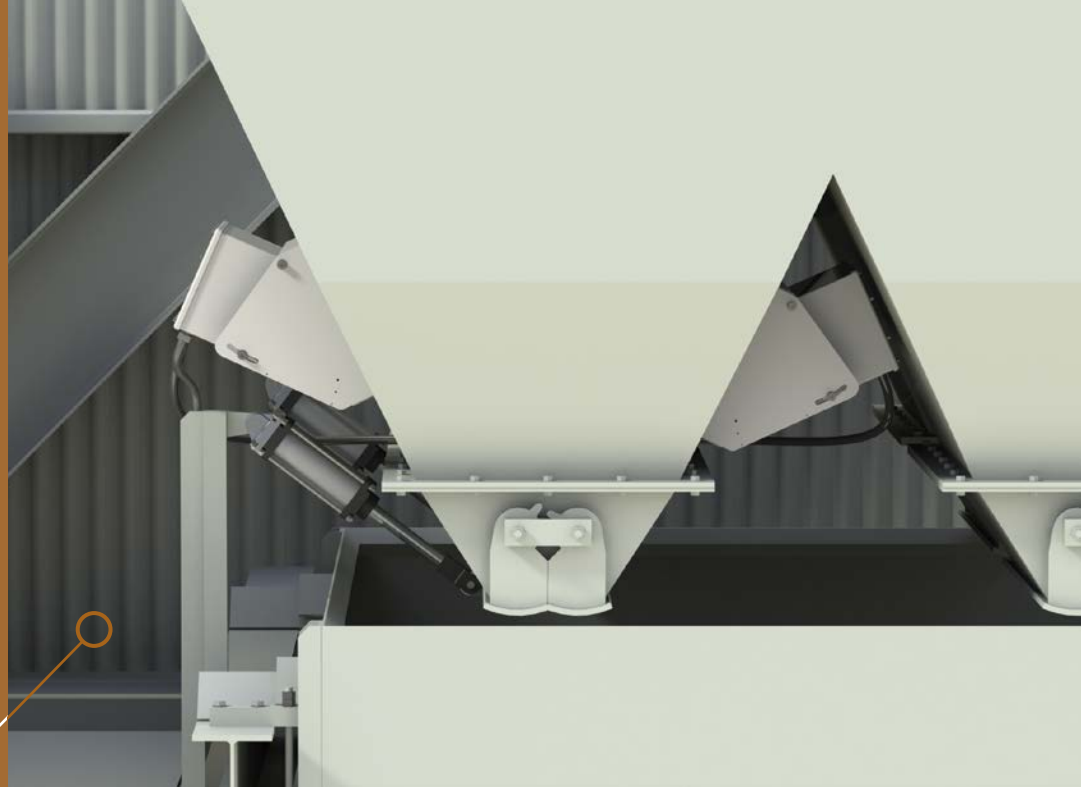


ReadiMoist

TBM 260

THROUGH BIN MOISTURE ANALYSER



What is the TBM 260?

The TBM 260 installs on material bins at a variety of plants to accurately measure moisture content as the material flows through the bin. In the concrete industry, precise control of the moisture content in the final concrete mix ensures the correct strength and slump specification. In the alternative fuels industry, it allows for control and reduction of energy losses.

For the best results, microwave technology measures moisture directly in a bin and rapidly provides moisture data to the control system to allow real time adjustments to the process.

Accurate moisture measurement can improve the consistency and quality of material, efficiency of the process, and provide significant cost savings.

TBM 260 Advantages

- Immediate costs savings:
In the cement industry by reducing cement usage in the concrete industry.
In the alternative fuels industry by reducing energy consumption.
- Accurate moisture analysis of large material volume, through full bin width
- Removes the need for routine sample collection
- Allows automatic batch control
- Does not protrude into bin or obstruct material flow
- Flexible plant interface options
- Patented state-of-the-art digital microwave technology
- Industrially proven
- Extremely reliable and low maintenance
- PC-based with remote access for prompt support



TBM 260 Description

The TBM 260 consists of microwave antennae and an electronics cabinet. The antennae are attached to either side of the bin near the clamshell gates. A low frequency microwave beam is transmitted through ~1 metre of falling material in the bin. Digital measurement of microwave group delay and attenuation allows precise moisture analysis every second.

Microwave windows and antenna brackets are supplied for easy installation on the bin. The microwave beam interrogates a large volume of material (typically about 60 litres) which greatly reduces errors caused by moisture heterogeneity.

An industrial PC calculates results, saves data and interfaces to the plant. A wide range of plant interface options are available using industry standard interface modules.

When applicable, a 'gate open' signal from the plant triggers moisture analysis while the material drops to ensure synchronisation with batch process activities.

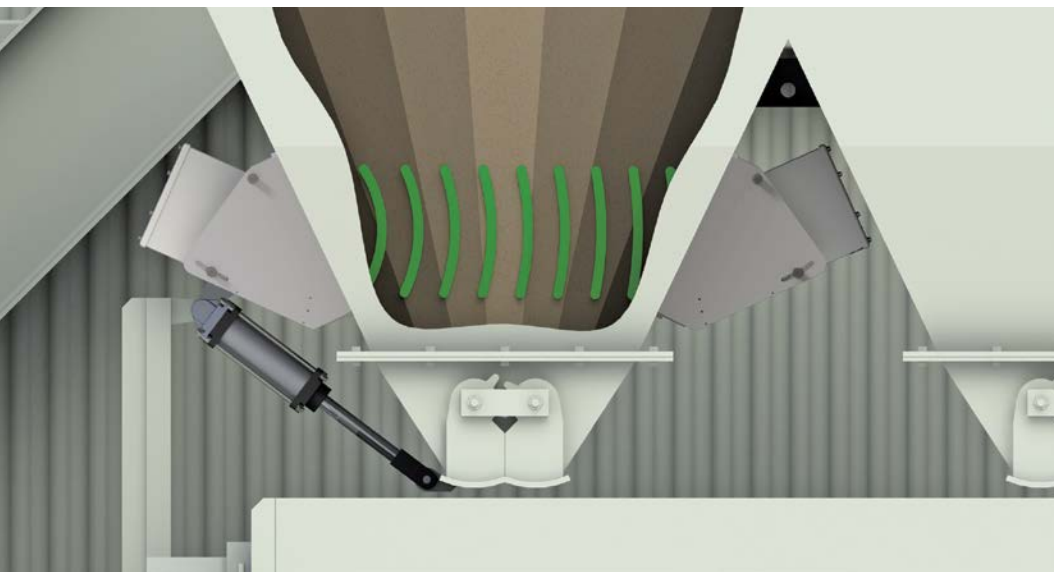
Scantech's Analysers

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

- **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



Scantech Products have Patented Technology & Registered Trademarks

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