

MoistScan[®] MA-600HBF Horizontal Belt Filter Moisture Analyser

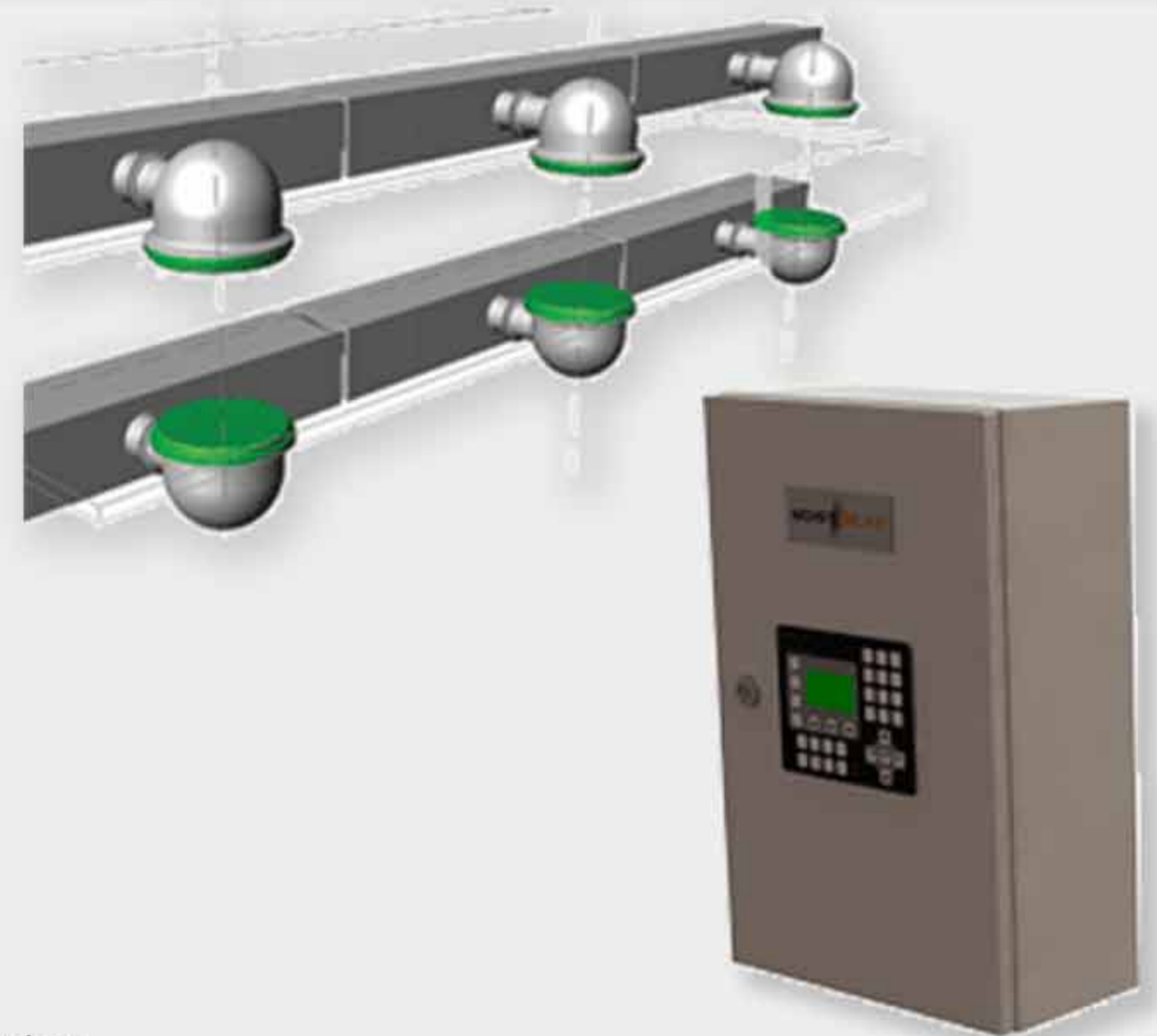
General Description

The MoistScan[®] MA-600HBF is custom designed for accurate analysis of filter cake moisture on a horizontal belt filter. The MA-600HBF standard configuration employs 3 sensors – one located 1 meter (3.3 feet) from each side of the filter bed and 1 in the centre. Data from the MA-600HBF is typically used to control the vacuum pressure or belt speed, the objective of which is to ensure that the moisture of the filter cake is maintained within set point limits.

Callidan Instruments is the only company who manufactures a purpose-built online microwave moisture analyser for horizontal belt filters.

The MA-600HBF is suitable for use on:

- Copper concentrate
- Coal filter cake
- Iron ore concentrate
- Lead and Zinc concentrate
- Nickel concentrate
- Most metallic and non metallic mineral concentrates as well as organic concentrates



MINING

AGRICULTURE

CHEMICALS

BUILDING MATERIALS

FOOD

BIOFUELS

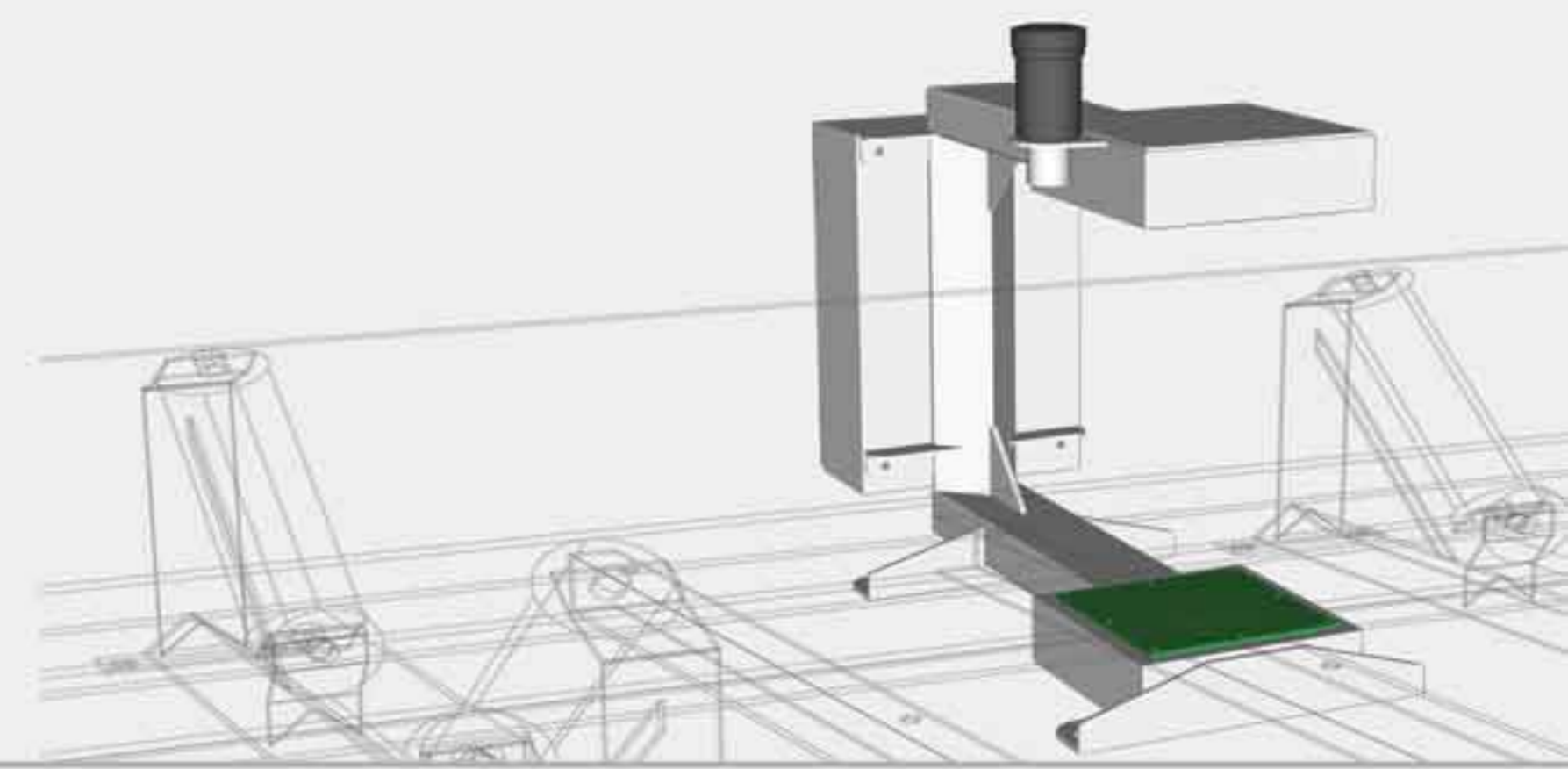


Benefits

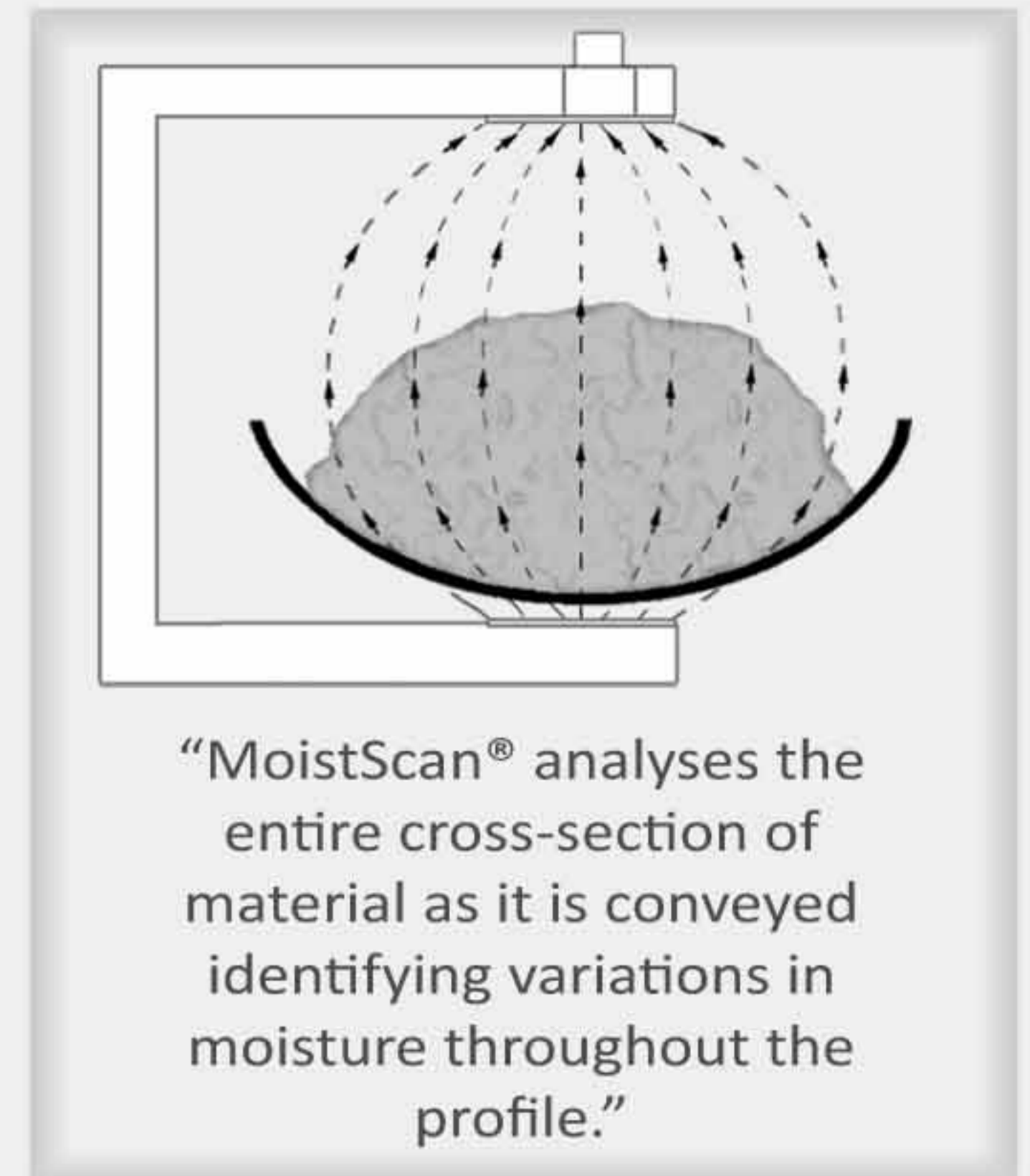
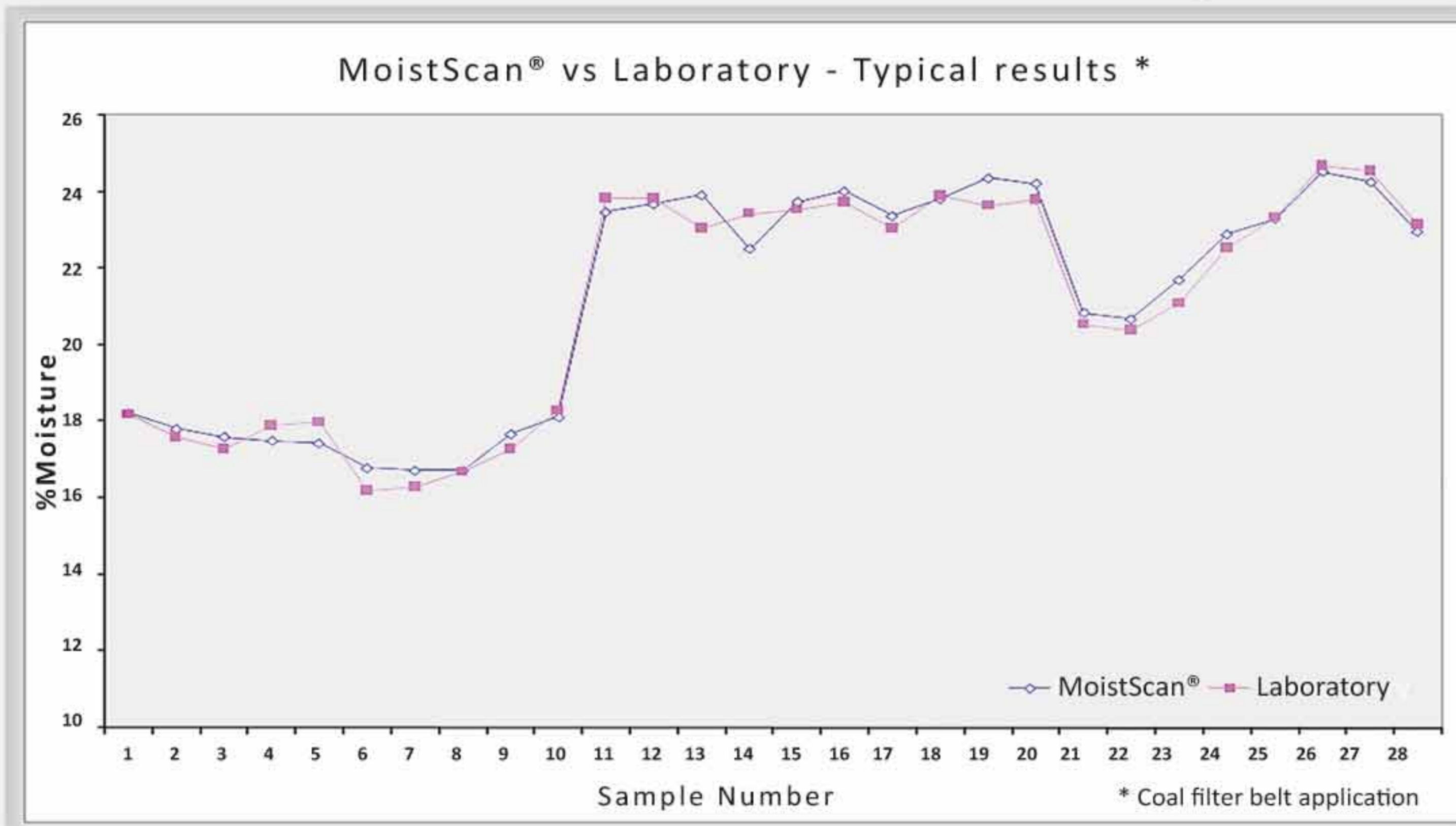
- Superior Precision and Accuracy
- Mass compensation device not required
- Non Contact
- Non Nucleonic
- Low Whole of Life Costs
- Seamless Plant Integration
- Remote Access Calibration & Servicing

Features

- Analyses 100% of the material on the conveyor from top to bottom.
- Uses MoistScan[®], the most widely used online microwave analysis technology on the market for measuring moisture in bulk materials.
- Analyser operates independent of mass flow rate
- No contact with the material being analysed
- No radioactive source is required
- As no beltweigher or radioactive sources is required ongoing costs associated with servicing and regulatory compliance is minimal
- Wide range of communication options for transmitting data to Plant PLC
- Cost-effective remote communication access for periodic checking of calibration



The MoistScan[®] microwave advantage



Specifications

| | |
|-----------------------|--|
| Instrument Precision: | Typically 0.3% at 1SD (subject to application and material composition) |
| Measurement Range: | 0 to 90% moisture |
| Measurement Freq: | 50Hz |
| Communications: | Ethernet TCP/IP, Modbus (in-built protocol converter enables connection via most popular brand communication protocols) |
| Operator Interface: | LCD touch panel display on control cabinet (colour & trend display options) |
| Operating Temp Range: | 0 to 50° Celsius (extreme temperature options) |
| Humidity Range: | 0 to 90% relative (non-condensing) |
| Power: | 110/240VAC 60/50Hz, 300 watts maximum dissipation (24V, 48V DC options) |
| Control Cabinet: | Steel powder coated NEMA 4X/IP66 (stainless steel, food grade CIP, explosion proof options) |
| Outputs: | Instantaneous moisture and average moisture via 2 x 2-20mA analog outputs (digital output via RS232, RS485, serial/ethernet options) |

Your local MoistScan[®] Representative:

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