

MoistScan[®] ST-1000

Thin Film Microwave Moisture Analyser

General Description

The MoistScan[®] ST-1000 online microwave moisture analyser is a robust compact, instrument designed for thin film applications such as paper and cardboard.

The ST-1000 features a 316 stainless steel encasement which supports a duel probe transmitter-receiver. The thin film material passes between the transmitter and receiver. The transmit-receive head is connected via cable to a control cabinet which can placed anywhere in the processing plant.

The ST-1000 is highly sensitive to changes in the surface and sub surface moisture of thin film applications.



MINING

AGRICULTURE

CHEMICALS

BUILDING MATERIALS

FOOD

BIOFUELS

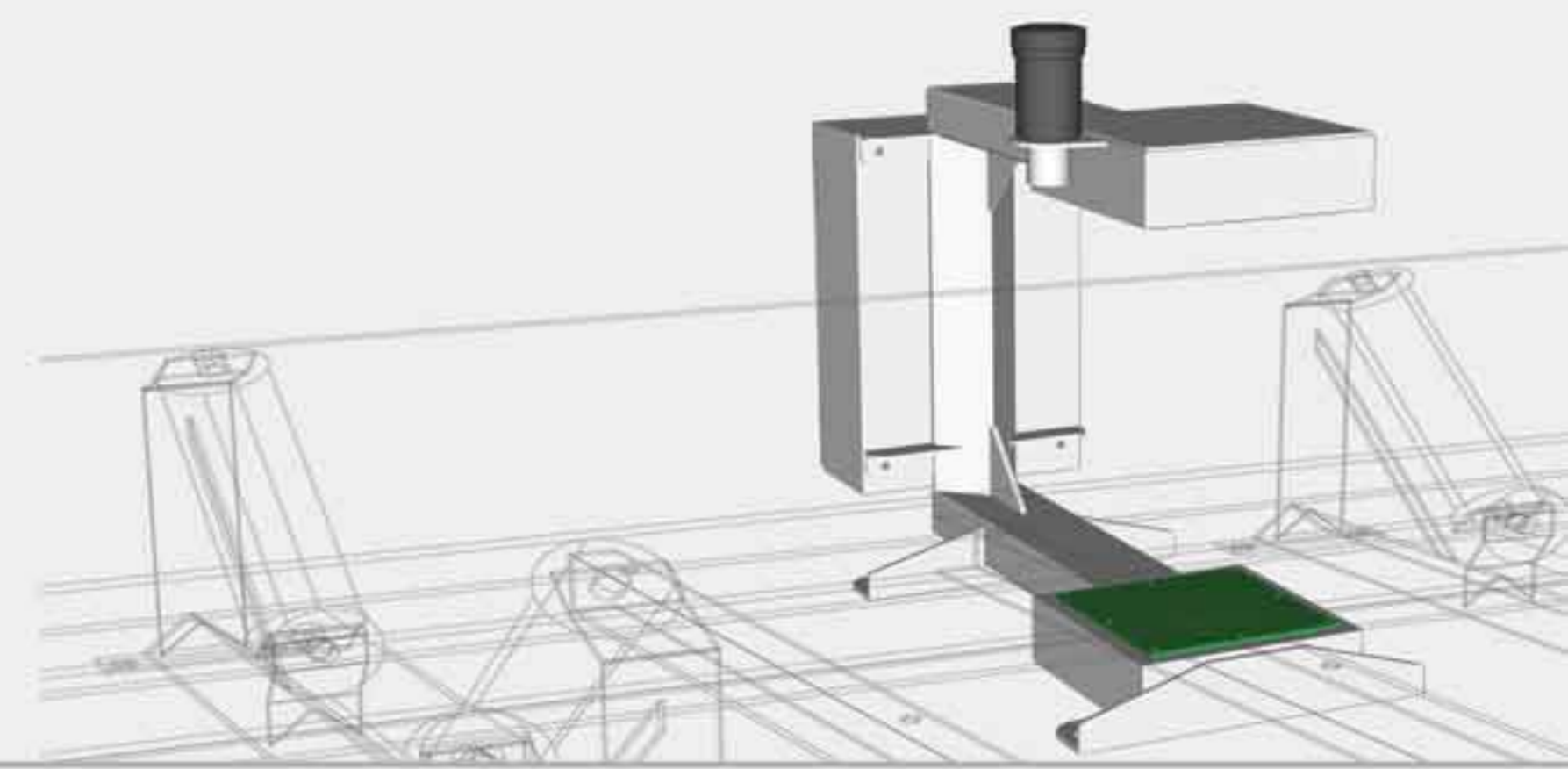
Benefits

- 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

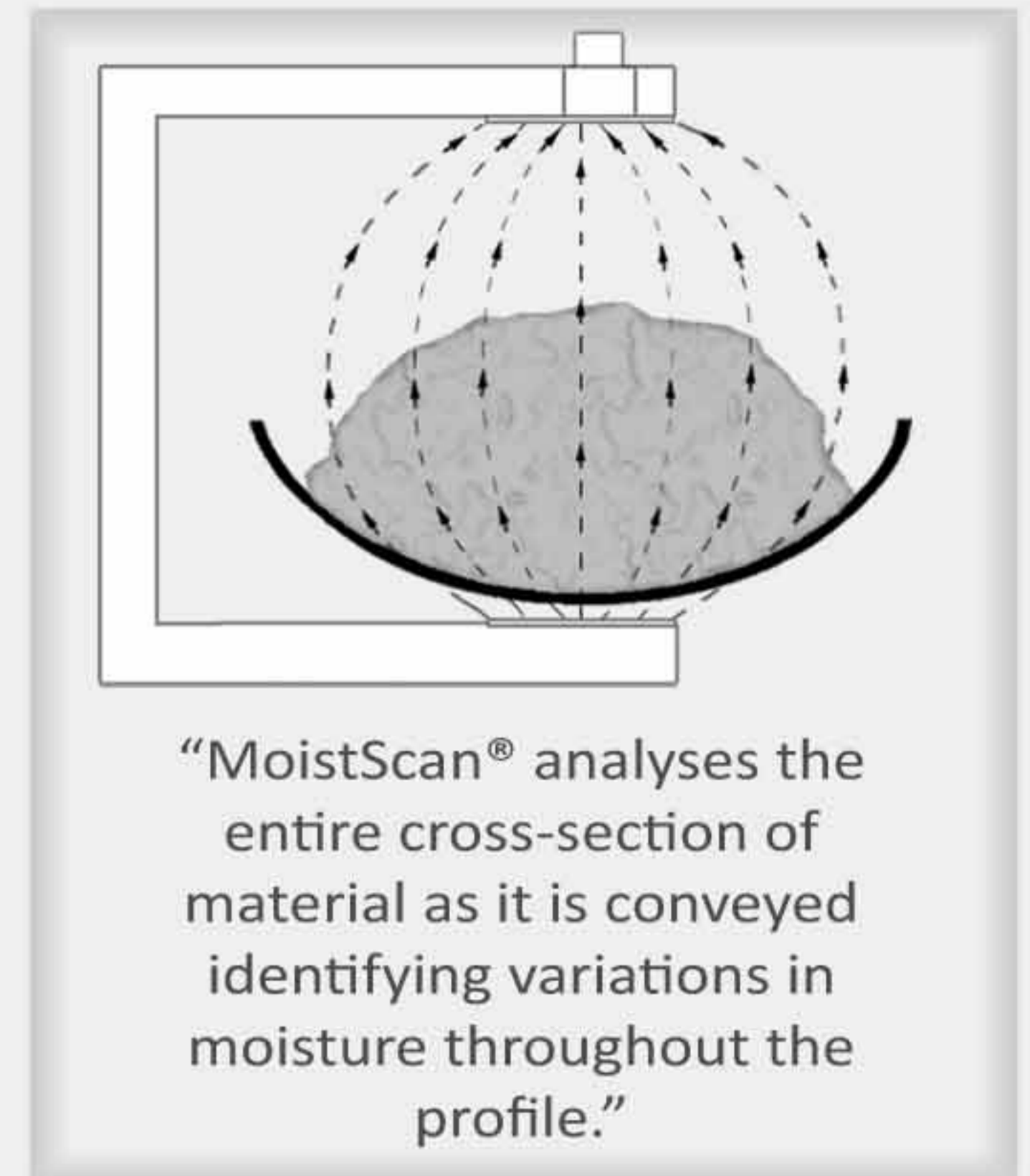
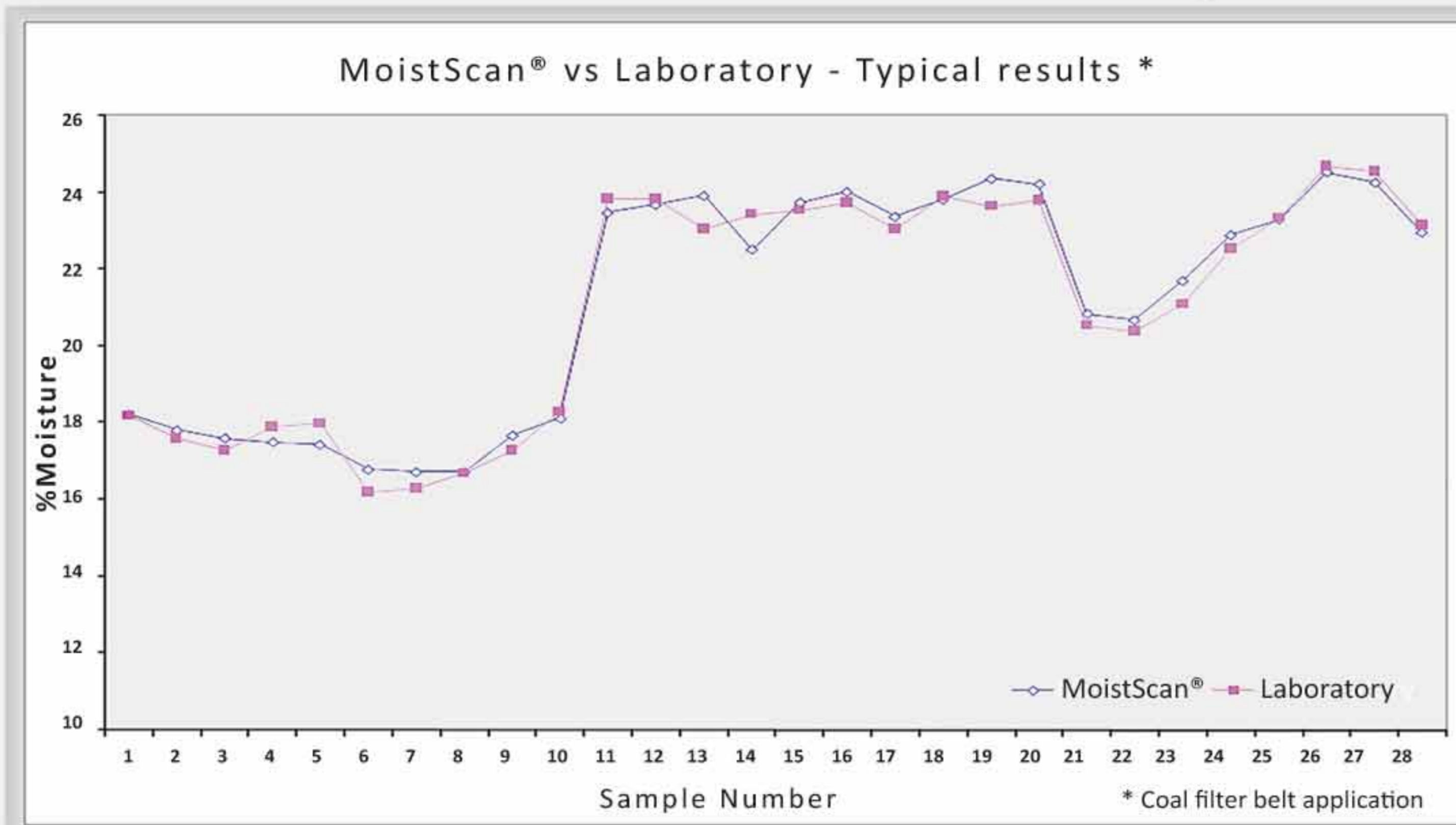
Features

- Analyses 100% of the material
- Uses MoistScan[®], the most widely used online microwave analysis technology on the market for measuring moisture in bulk materials.
- Analyser operates independant 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 4-20mA analog outputs (digital output via RS232, RS485, serial/ethernet options)

Your local MoistScan[®] Representative:

AUSTRALIA - HEAD OFFICE

Ph: 617 49 555 966 | Fx: 617 49 557 338 | www.callidan.com
Lot J Mackay Marina Village, Mulherin Drive.
PO Box 6920 Mackay MC. QLD AUSTRALIA. 4741

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