

MoistScan[®] MA-600SS Single Sensor Moisture Analyser

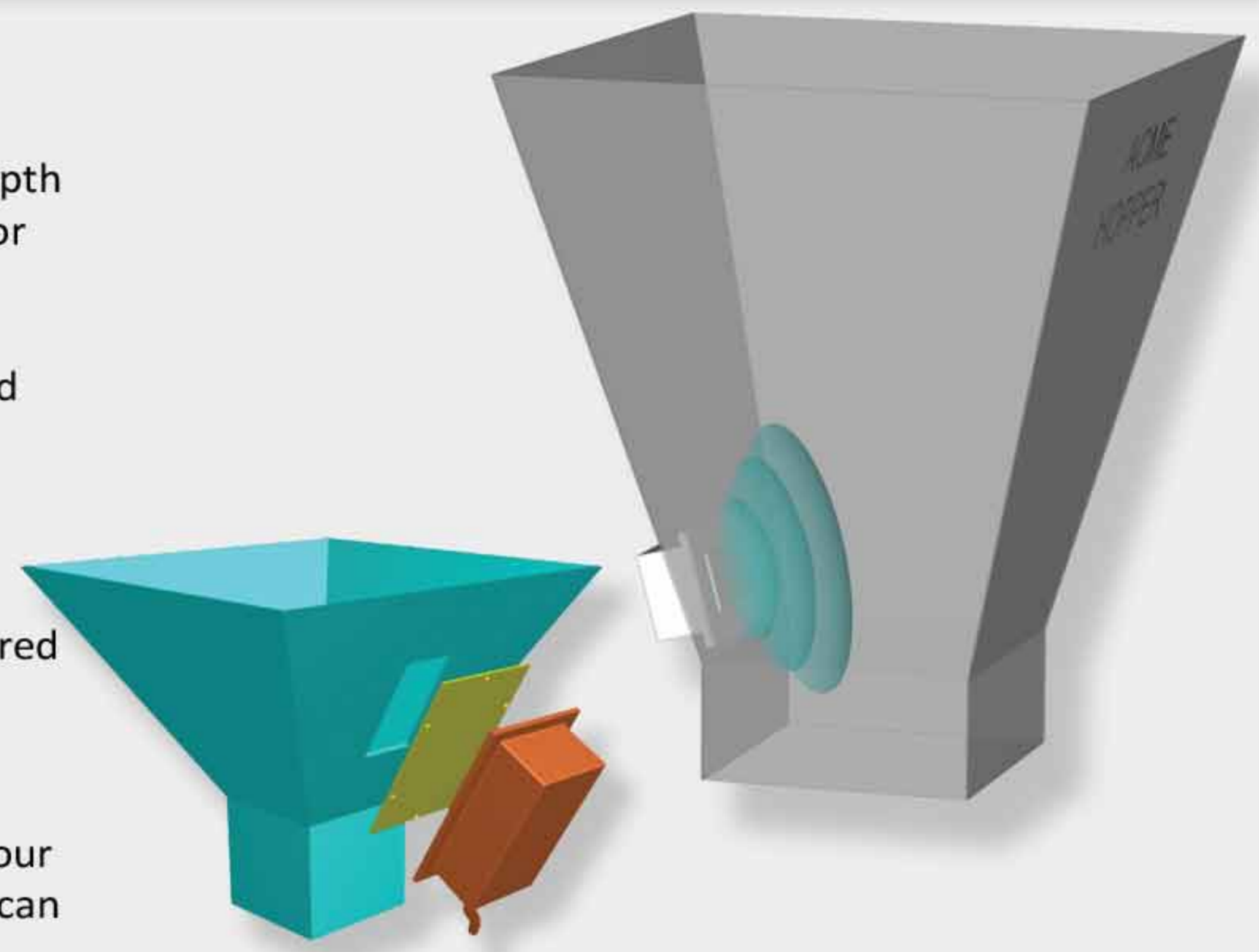
General Description

The MoistScan[®] MA-600 moisture sensor was designed to alleviate the problems associated with highly attenuating material and extreme bed depth ranges. The unique design of the MA-600SS uses a single microwave sensor that penetrates using a half sphere of approximately 20cm radius.

The MoistScan[®] MA-600SS utilizes the latest updates in Callidan's patented microwave technology. By closely monitoring both phase and attenuation changes within the analysis zone accurate predictions in moisture content can be determined.

The installation of the sensor is simple. The MA-600SS can also be configured to provide control of external devices such as analogue or digital valves which control water addition or feed rates.

Callidan have the expertise required to design a customized solution for your requirements. The MA-600SS can be "pre-calibrated" providing the client can send a 10 litre sample to Callidan's calibration facility.



MINING

AGRICULTURE

CHEMICALS

BUILDING MATERIALS

FOOD

BIOFUELS

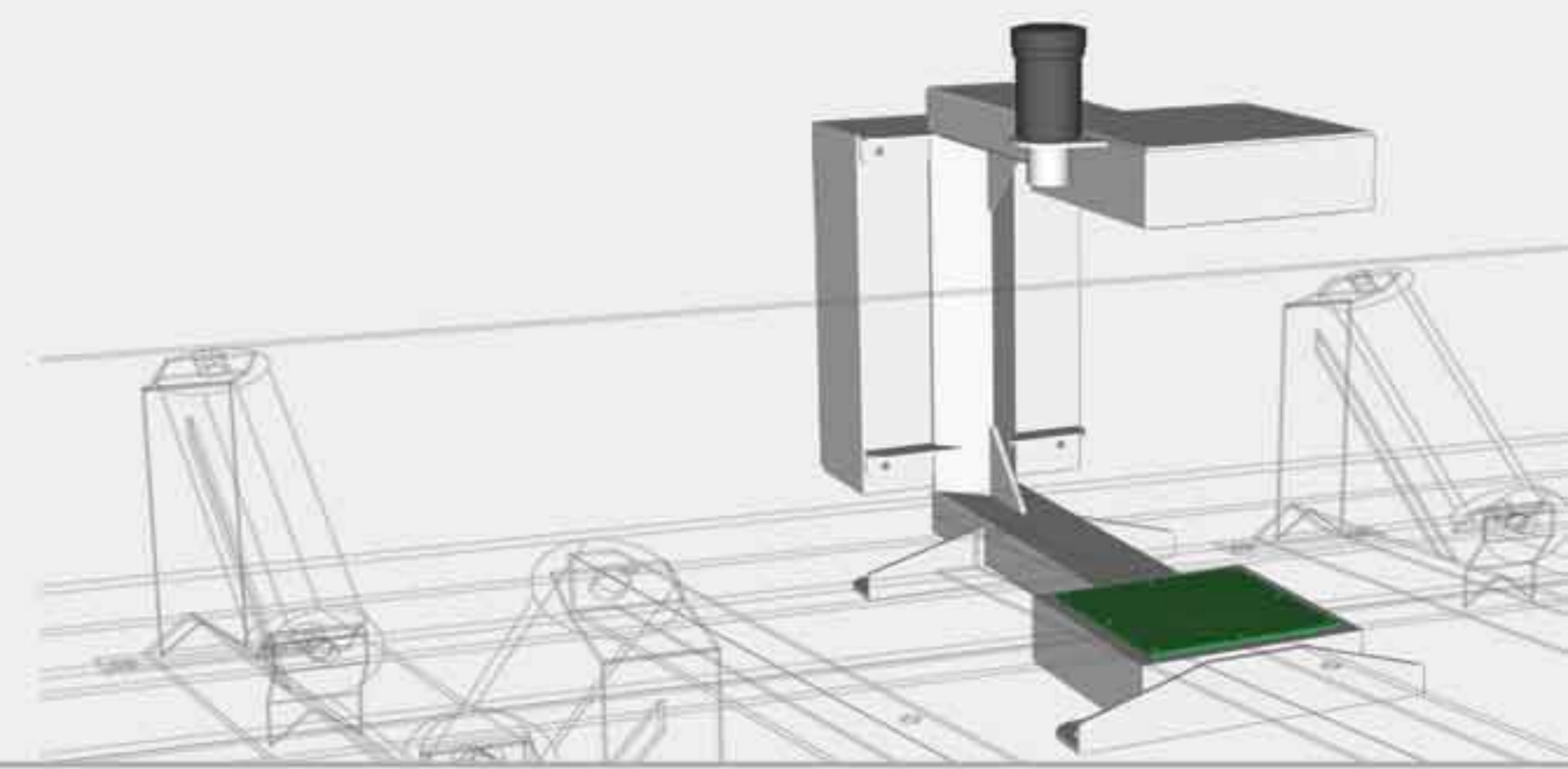
Benefits

- Superior Precision and Accuracy
- Belt Scale not required
- Non Contact
- Non Nucleonic
- Low Whole of Life Costs
- Easy to Install
- Seamless Plant Integration
- Remote Access Calibration & Servicing

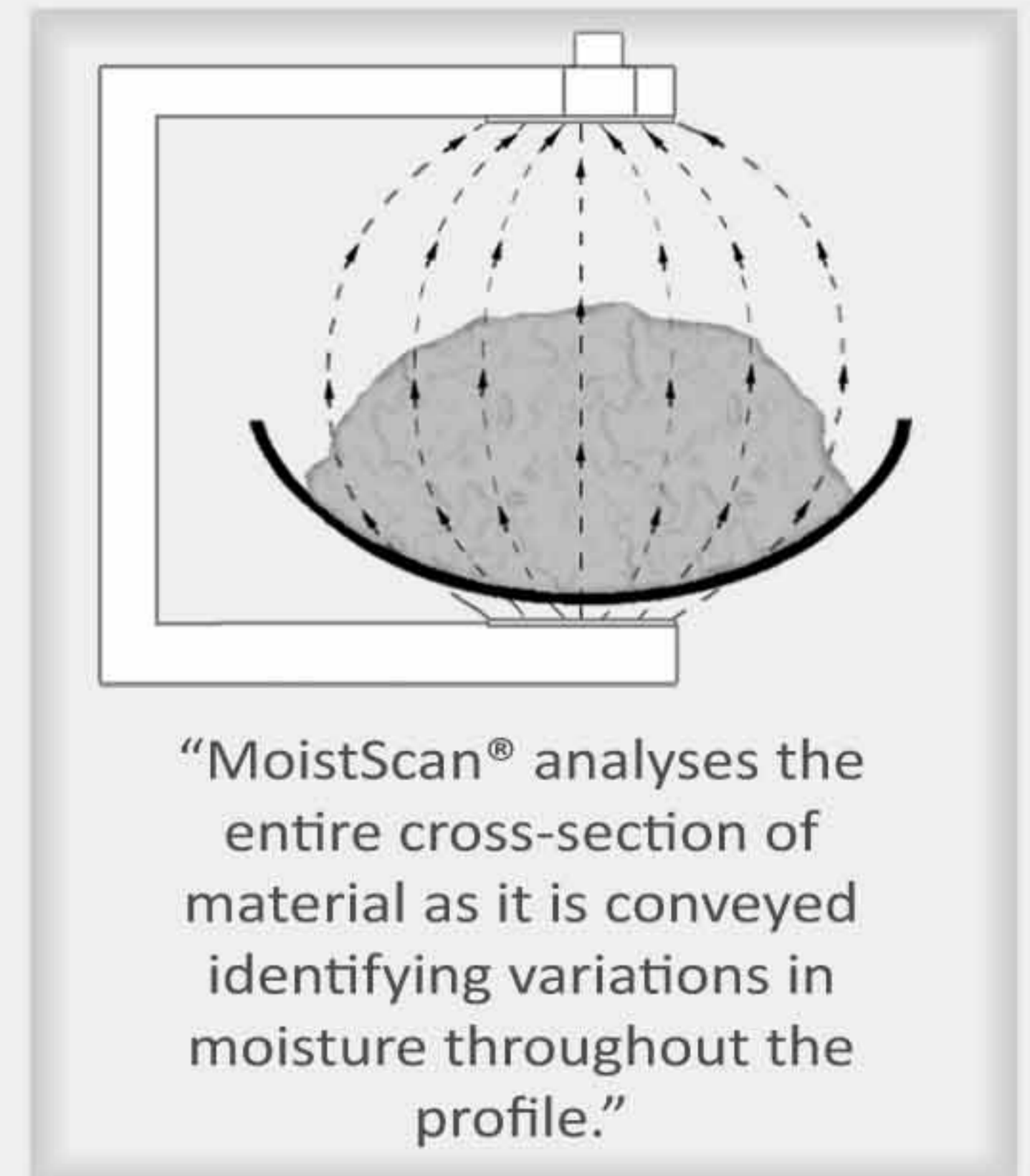
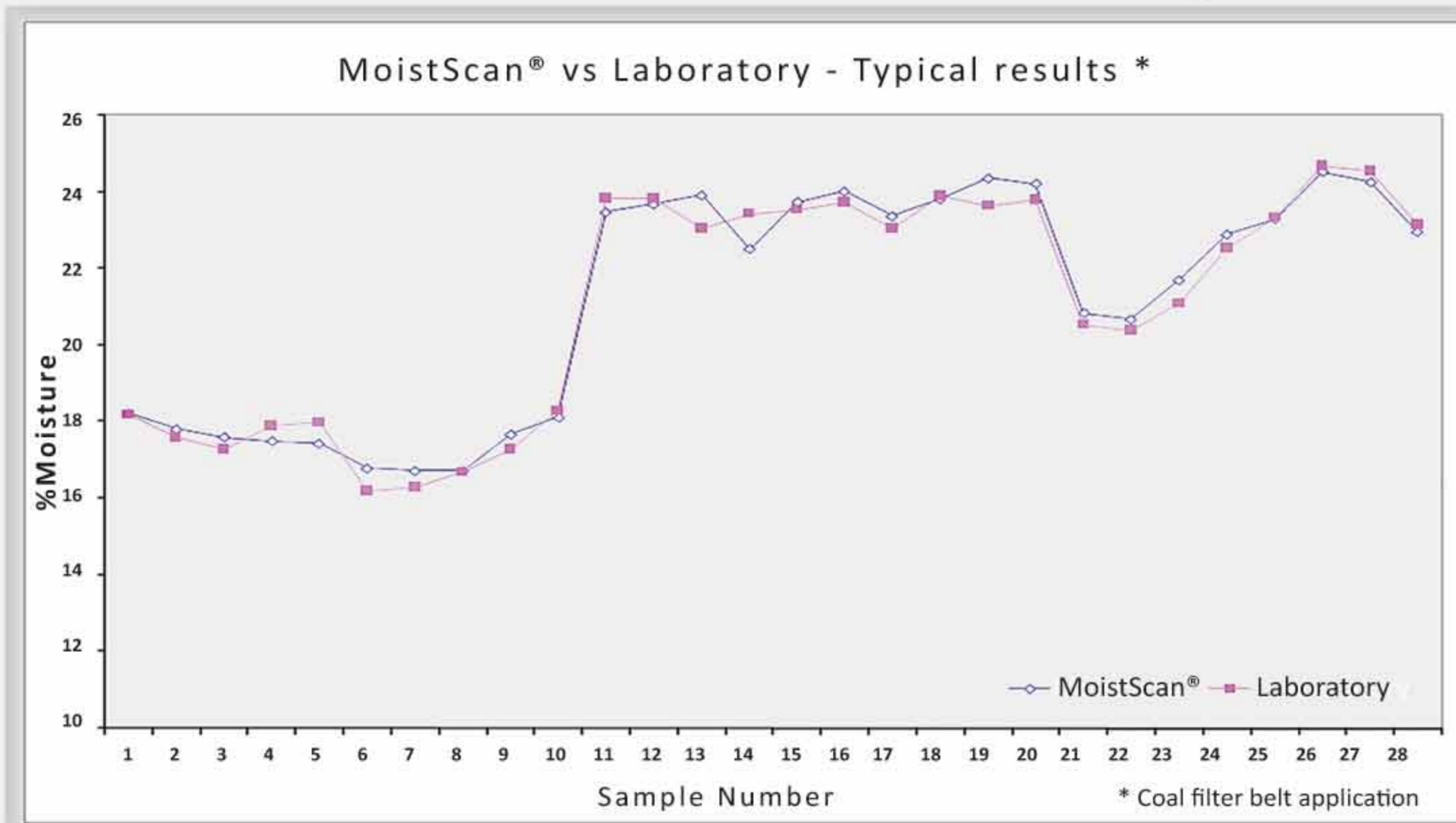
Features

- Uses MoistScan[®], the most widely used online microwave analysis technology on the market for measuring moisture in bulk materials.
- Measures the bed depth of the material to compensate for mass flow rate. Other microwave analysers may require an input from a beltweigher or a radioactive source
- 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
- Fully assembled and easily bolts to the stringer supports of the conveyor
- 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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