

# MoistScan<sup>®</sup> MA-700

## In-Pipe Microwave Moisture Analyser

### General Description

The MoistScan<sup>®</sup> MA-700 In-Pipe microwave moisture analyser provides precise, continuous measurement of moisture in many bulk materials being transported via a pipe. Two (2), four (4) and six (6) inch pipe spools are available as standard. Other sized spools are also available. The MA-700 is custom designed to meet industry specifications. These include:

- IP66-NEMA4 rating for dust and moisture ingress
- Food Grade, CIP (clean-in-place) compliant
- Intrinsically safe for hazardous area ratings

Popular applications for the MA-700 are:

- Processed cheese
- Creamed cheese
- Snack Foods
- Feed grains
- Butter
- Condensed milk
- Food Grains



MINING

AGRICULTURE

CHEMICALS

BUILDING MATERIALS

FOOD

BIOFUELS

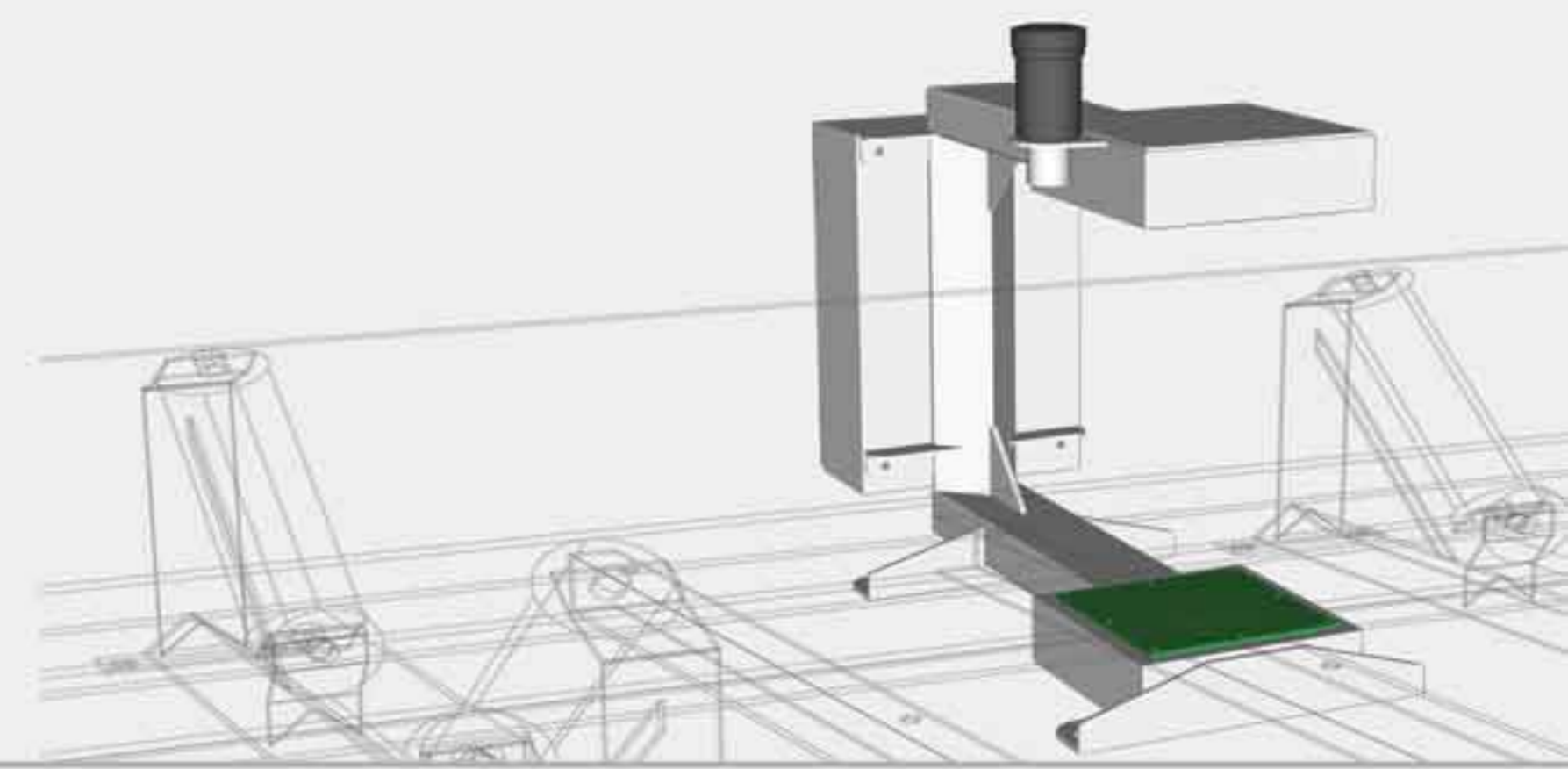


### Benefits

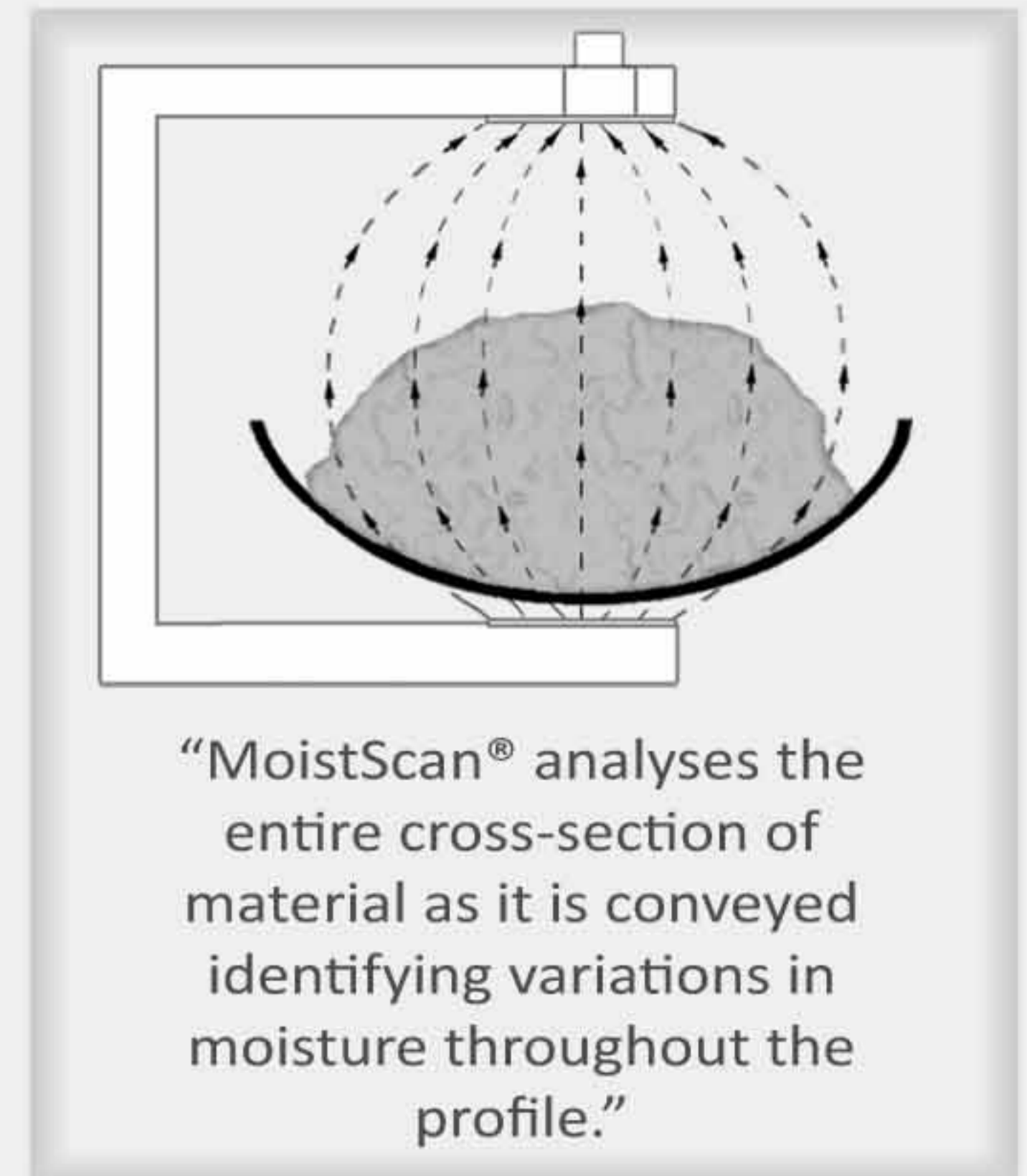
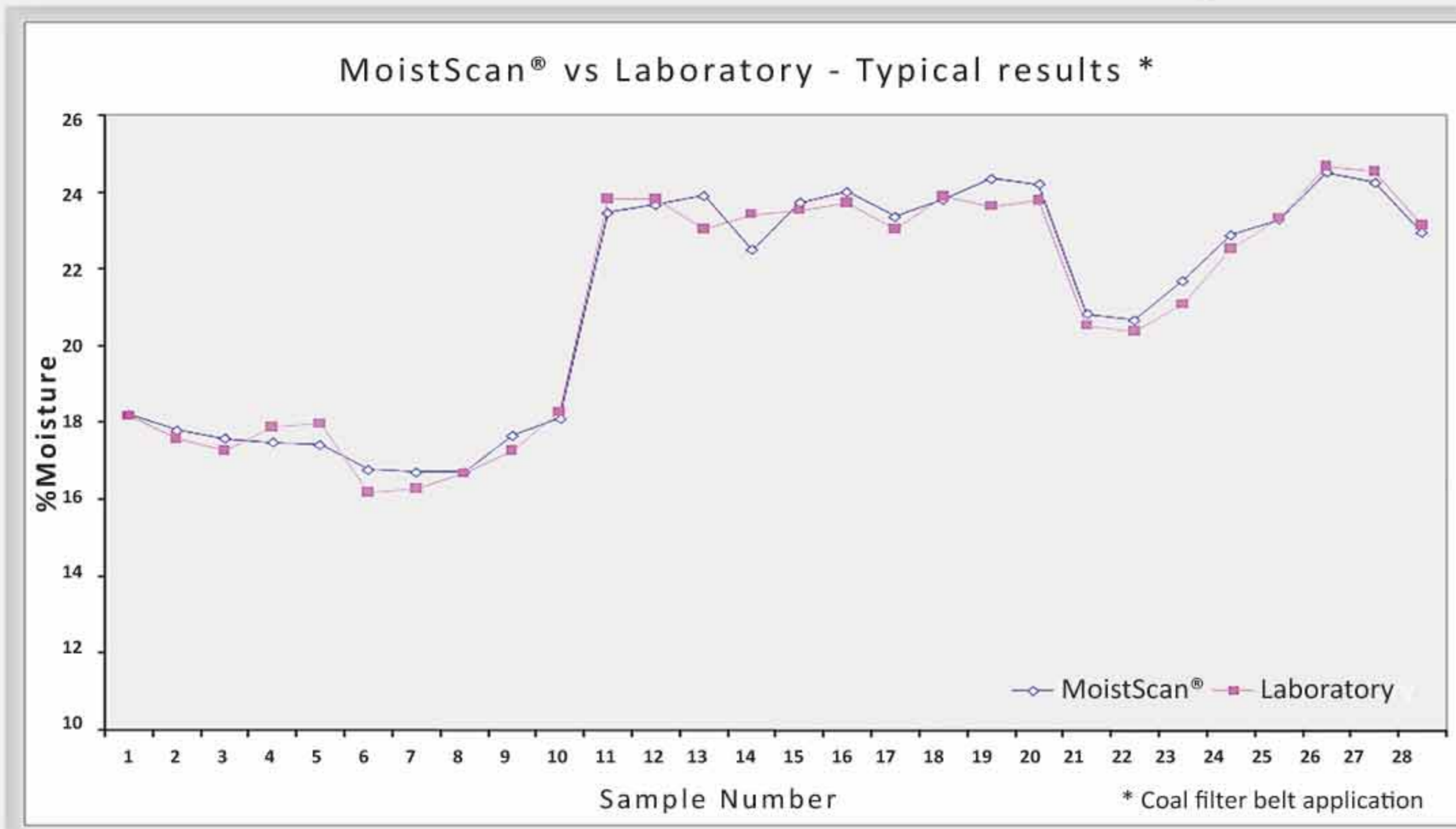
- Superior Precision and Accuracy
- Mass compensation device not required
- Non Contact
- Non Nucleonic
- Low Whole of Life Costs
- Easy to Install
- Seamless Plant Integration
- Remote Access Calibration & Servicing

### Features

- Analyses 100% of the material in the pipe
- Uses MoistScan<sup>®</sup>, 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 sampled
- No radioactive source is required
- As no beltweigher or radioactive sources is required ongoing costs associated with servicing and regulatory compliance is minimal
- Supplied fully assembled
- Spool with user-specified flange fittings
- Wide range of communication options for transmitting data to Plant PLC
- Cost-effective remote communication access for periodic checking of calibration



## The MoistScan<sup>®</sup> 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<sup>®</sup> Representative:

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