

# MoistScan® MA-600SF Screw Feeder Moisture Analyser

## General Description

The MoistScan® MA-600SF is specifically designed for measuring moisture in materials that are conveyed via a screw feeder or spiral auger. The MA-600SF features custom-sized antenna horns that mount to the sides of the screwfeeder at an angle of approximately 90 degrees to each other. This forms a microwave field in the shape of a semi-circle such that the field diameter captures the entire flow of material.

The MA-600SF is particularly suited for use on:

- Mineral concentrates
- Food grains
- Feed grains
- Fertilizers
- Powders



MINING

AGRICULTURE

CHEMICALS

BUILDING MATERIALS

FOOD

BIOFUELS



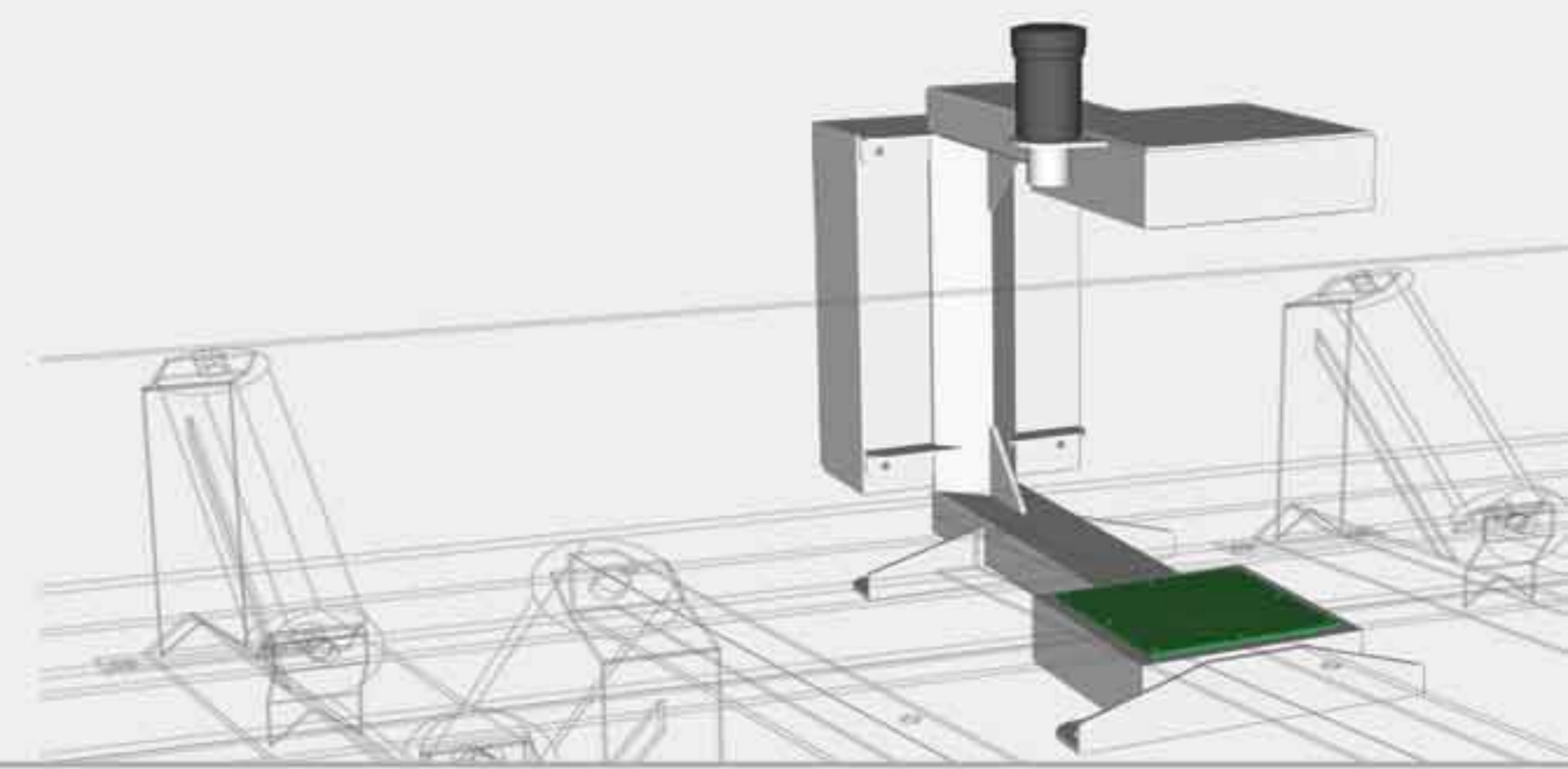
## Benefits

- 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

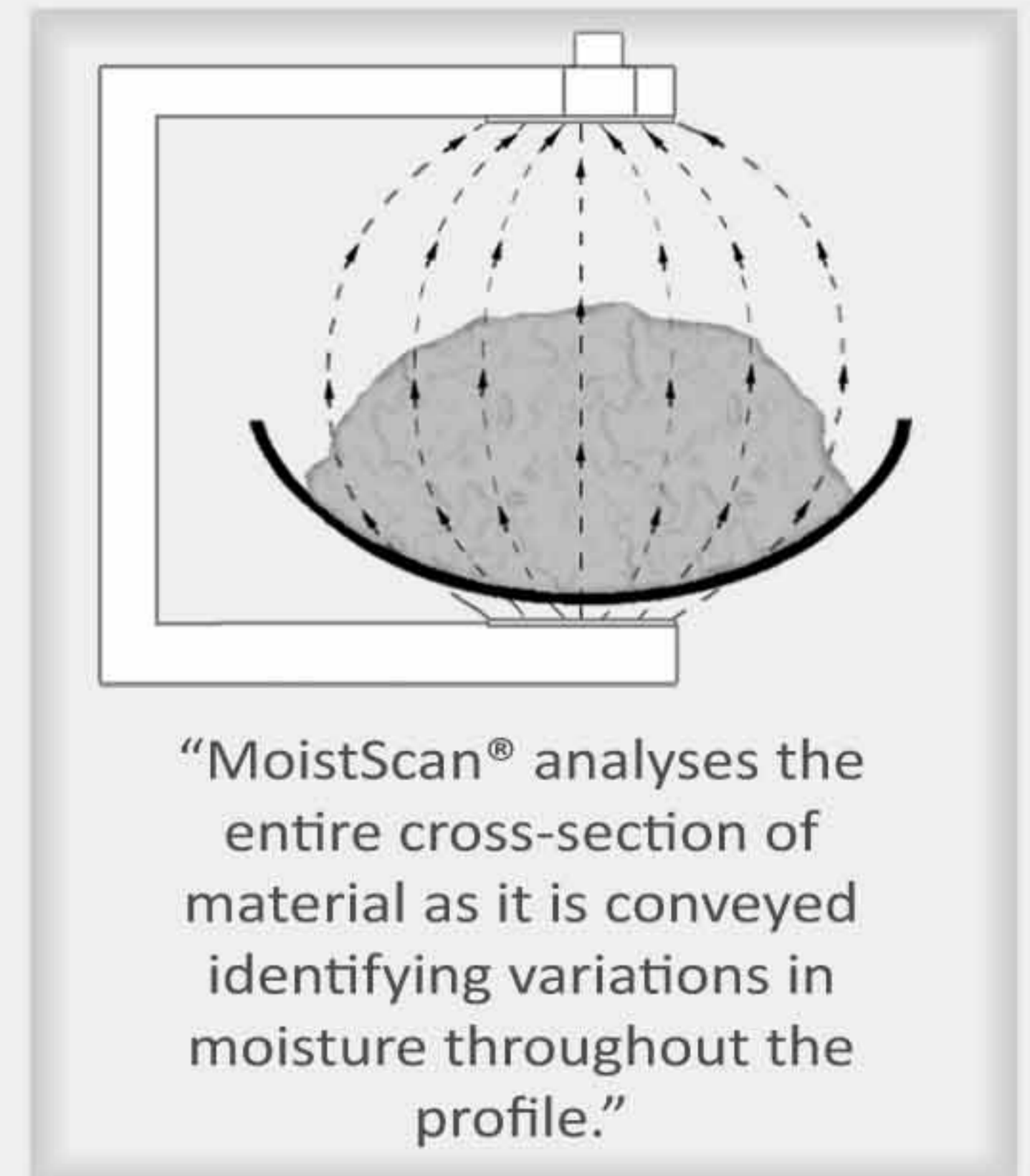
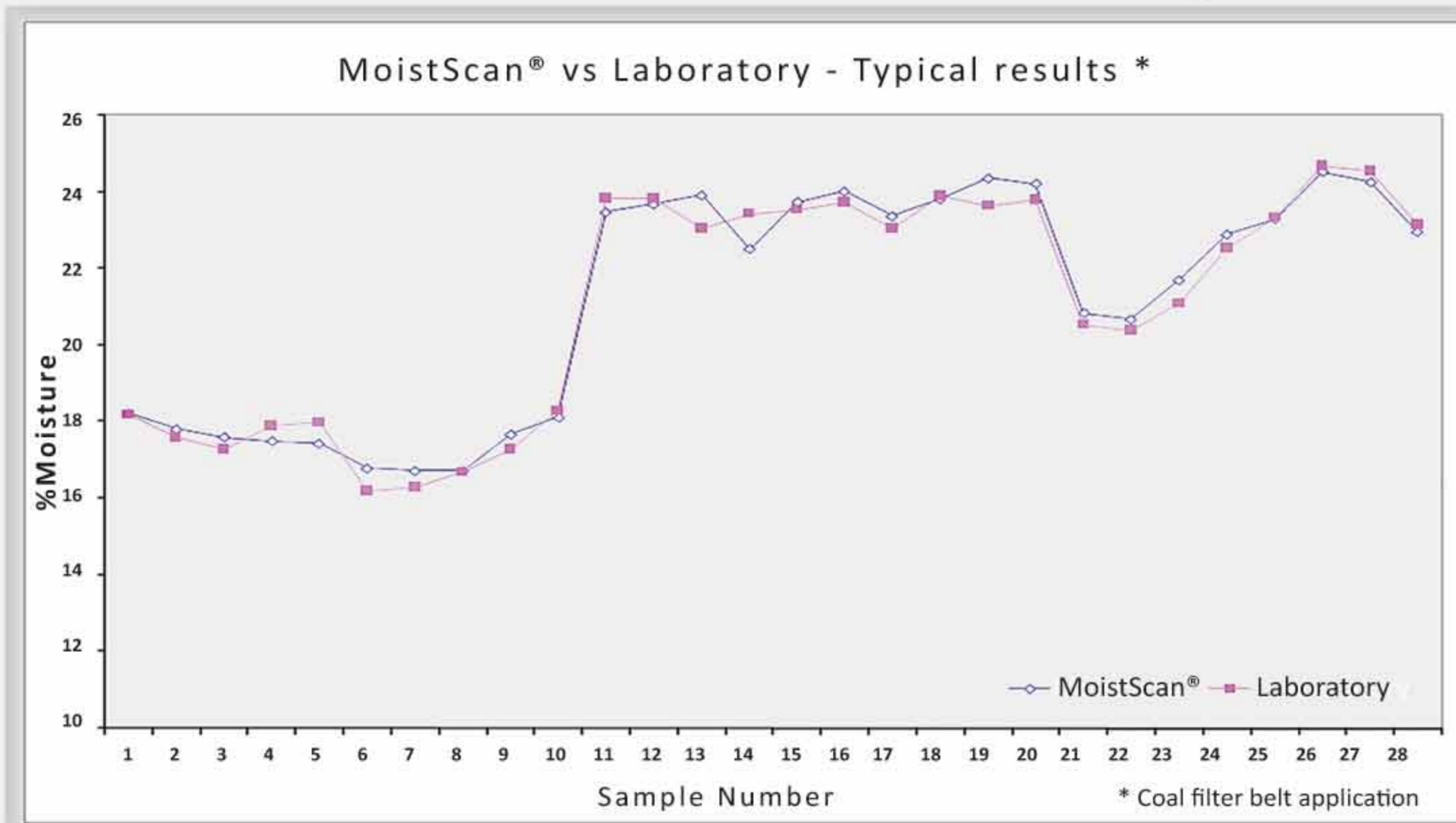
## Features

- 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 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<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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