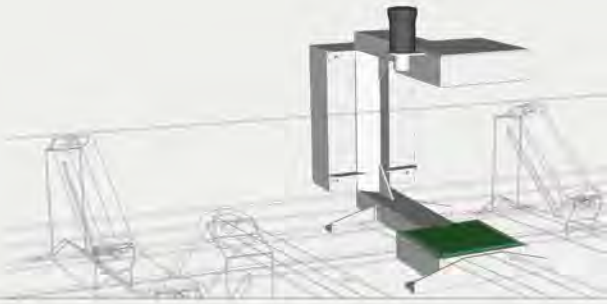
MOISTSCAN®
the global leader in
online moisture analysis...



MoistScan® MA-500
On-Belt Microwave Moisture Analyser

General Description

The MA-500 is ideal for use on non-conducting materials with low to medium moisture content and relatively low bed depth.

The analyser fits to a standard belt conveyor. It has a rugged c-frame configuration, is supplied fully assembled and is easily installed. Standard in the MA-500 are a range of communication options for sending and receiving data. Its user-friendly features are designed to make commissioning, calibration and system integration straightforward. Data storage and connectivity capabilities of the MA-500 enable technical support via remote access for diagnostic purposes and periodic calibration verification.

MINING	AGRICULTURE	CHEMICALS	BUILDING MATERIALS	FOOD	BIOFUELS

Benefits	Features
• Superior Precision and Accuracy	• 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.
• Belt Scale not required	• 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
• Non Contact	• No contact with the material being analysed
• Non Nucleonic	• No radioactive source is required
• Low Whole of Life Costs	• As no beltweigher or radioactive sources is required ongoing costs associated with servicing and regulatory compliance is minimal
• Easy to Install	• Fully assembled and easily bolts to the stringer supports of the conveyor
• Seamless Plant Integration	• Wide range of communication options for transmitting data to Plant PLC
• Remote Access Calibration & Servicing	• Cost-effective remote communication access for periodic checking of calibration

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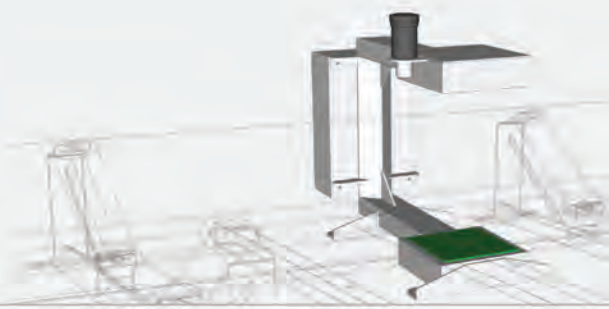
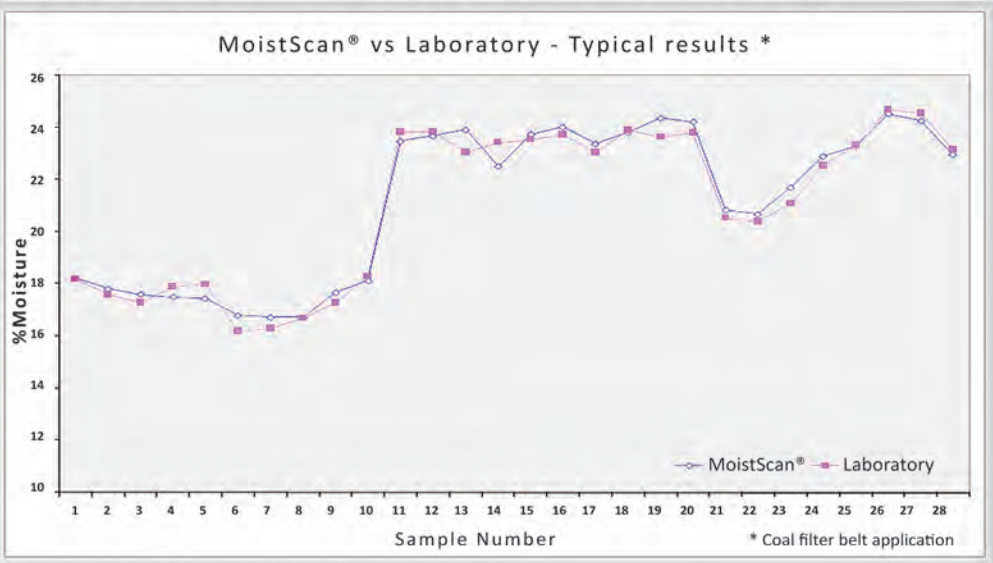
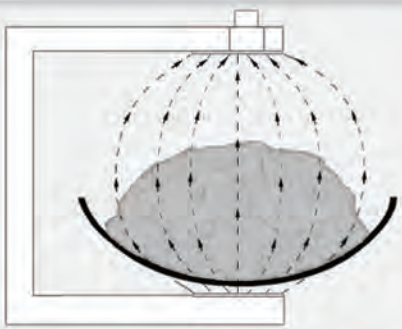


The MoistScan® microwave advantage





"MoistScan® analyses the entire cross-section of material as it is conveyed identifying variations in moisture throughout the profile."

Specifications

Instrument Precison:	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)
Frame:	Aluminum powder coated (stainless steel, food grade CIP, custom size options)
Outputs:	Instantaneous moisture and average moisture via 2 x 4-20mA analog outputs (digital output via RS232, RS485, serial/ethernet options)