

MOIST//SCAN[®]

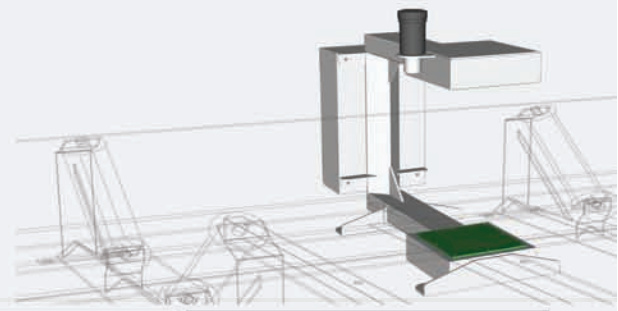
the global leader in online
moisture analysis...



Technology to improve

- Yield
- Quality
- Productivity
- Product specification
- Processing efficiency
- Material handle-ability
- Production accounting
- Environmental compliance

WINNER 2007
AUSTRALIAN
EXPORT AWARDS
Callidan Instruments



“practical, proven, process technology”

MoistScan® online microwave moisture analysers employ state-of-the-art technology to accurately measure the moisture in a wide range of bulk materials. Unlike most online moisture analysers MoistScan® scans 100% of the material identifying variations in moisture throughout the entire profile. The MoistScan® patented microwave technique combined with Callidan’s extensive application knowledge ensures that MoistScan® online microwave moisture analysers operate with the highest precision.

Superior Performance

MINING

coal - iron ore - bauxite
nickel ore - manganese - gold -
diamonds - backfill pastes ...

MINERAL PROCESSING

sinters - hydrates - mineral con-
centrates - pellets ...

AGRICULTURE

wheat - sorghum - maize - grain
& meat meals - pet foods - stock
pellets...

FOOD PROCESSING

butter - cheese - snackfood -
flour - starch - cereal - pasta ...

BUILDING MATERIALS

sawn timber - fibreboard - pan-
elboard - cement - clay - aggre-
gate - sand - plasterboard ...

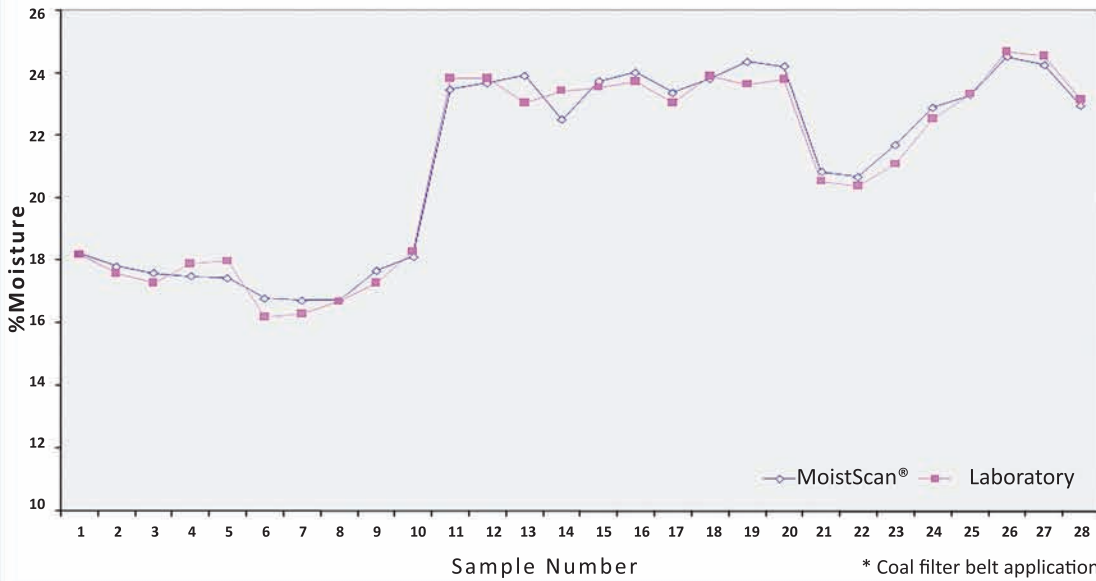
CHEMICALS

fertilisers - pharmaceuticals -
salts ...

BIO FUELS

bagasse - hog fuel - woodchip -
sawdust - wood flake ...

MoistScan® vs Laboratory - Typical results*



Products



MA-500 On Belt Moisture Analyser

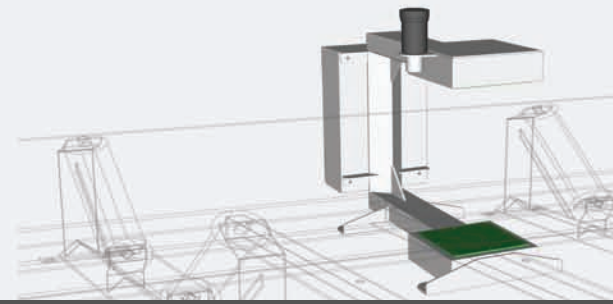
- Non metaliferous materials
- Low moisture
- Low to medium bed depth



MA-500HD On Belt Moisture Analyser

- Mineral ores and concentrates
- Medium to high bulk density
- Low to high moisture
- Low to high bed depth





MA-500HDi Iron ore moisture analyser

- Iron ores, pellets, concentrates, sinters
- High bulk density
- Low to high moisture
- Low to high bed depth



MA-600 Custom designed analyser

- Non standard applications
- Flexible mounting and antenna design
- Low to high moisture
- Low to high material thickness



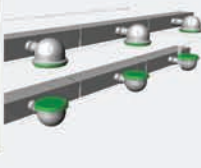
MA-600SF Screw feeder analyser

- Screw feeders and augers
- Low to high bulk density
- Low to high moisture
- Low to high trough diameter



MA-600VDF Vertical disc filter analyser

- Vertical & rotary disc filters
- Low to high bulk density
- Low to high moisture
- Low to medium cake thickness



MA-600HBF Horizontal belt filter

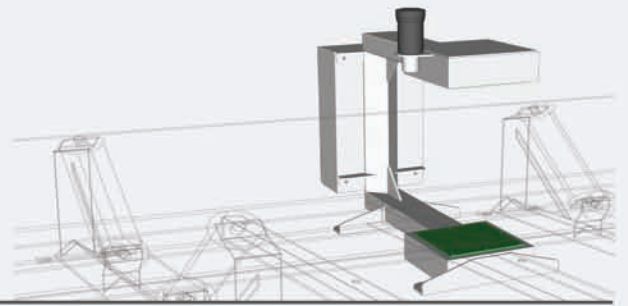
- Horizontal filter belts
- Low to high bulk density
- Low to high moisture
- Low to medium cake thickness



MA-700 In-pipe moisture analyser

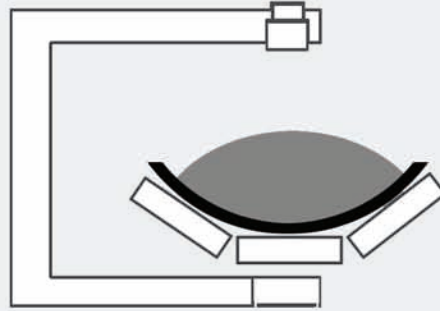
- Pipe conveyors
- Low to high bulk density
- Low to high moisture
- Up to 150mm pipe diameter





The MoistScan® microwave advantage

- Superior precision
- Continuous real-time results
- Seamless plant integration
- No belt scale required
- Non-contact
- Non-nucleonic
- Low whole of life costs
- Fully customizable
- Rugged construction
- Easy to install
- Easy to calibrate
- Easy to maintain



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

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)
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)

Your local MoistScan® Representative:

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MoistScan®

for more information visit
our website at www.moistscan.com