

## MoistScan<sup>®</sup> MA-100 Bulk Sample Benchtop Analyser

### General Description

The MoistScan<sup>®</sup> MA-100 is a bulk sample bench top analyser. It is typically used in the laboratory, in the field or at-line in the process plant. It analyses a large sample and returns a moisture result in less than 20 seconds.

The benefit of the MA-100 over traditional bench top moisture analysers is:

- The sample analysed is hundreds of times larger hence much more representative – the MA-100 takes a sample of 1-3 litres (33.8 – 101 ounces) This compares with a traditional lab analyser of less than 5ml (0.17 ounces).
- The result is instantaneous – the MA-100 returns a moisture result in less than 20 seconds. Traditional oven dried moisture methods can take hours and halogen moisture drying analysers take up to 10 minutes.



The MA-100 is available as a single integrated unit. Alternatively the MA-100 can be supplied as a portable unit.

MINING

AGRICULTURE

CHEMICALS

BUILDING MATERIALS

FOOD

BIOFUELS

### Benefits

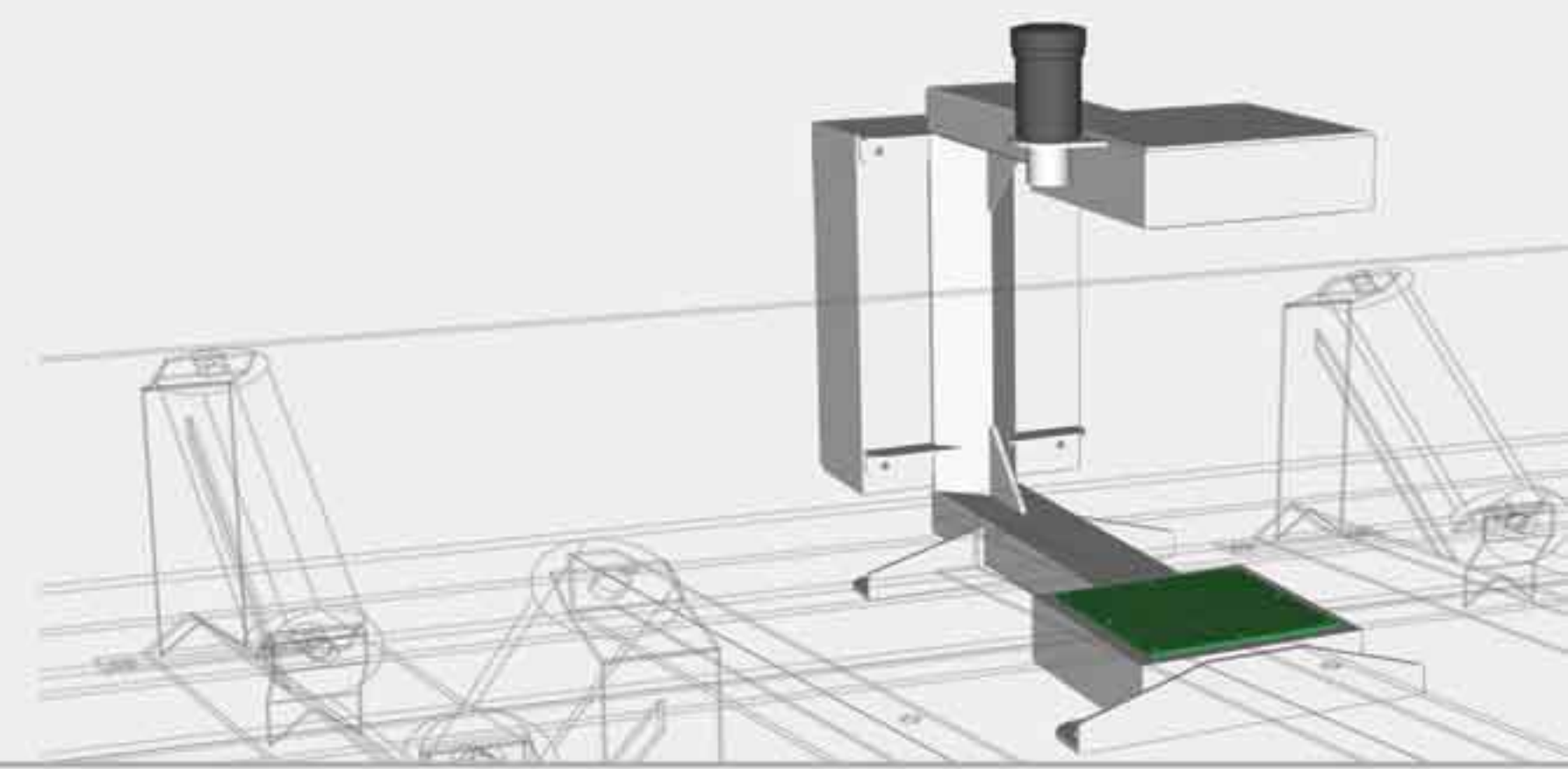
- Superior Precision
- Instantaneous Results
- Portable
- Non Nucleonic
- Rugged Design
- Low Whole of Life Costs
- Easy to Calibrate
- Simple to use.

### Features

- Sample size is much larger hence more representative than traditional oven-dried and halogen-dried analysis
- Uses MoistScan<sup>®</sup> patented microwave technology
- Returns a moisture results in less than 20 seconds
- Portable design enables sampling in the field
- No radioactive source is required
- IP66/NEMA4 rated interface for use in harsh industrial indoor and outdoor environments
- No wearing parts
- No consumables
- Only requires a small suite of samples to calibrate
- Simply place sample in analysis bucket







## The MoistScan<sup>®</sup> microwave advantage



- Bulk Sample
- Instantaneous results

## Specifications

Instrument Precision:	Typically 0.3% at 1SD (subject to application and material composition)
Measurement Range:	0 to 90% moisture
Measurement Freq:	50Hz
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)
Outputs:	Instantaneous moisture via LCD display, (digital output via RS232, RS485, serial/ethernet options)

### Your local MoistScan<sup>®</sup> Representative:



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