



**inmec**  
Instruments

**bma**  
Moisture Analyzer

## BMA Desktop – Instant moisture analysis

- Wood chips
- Solid biofuels
- Other moisture critical biomaterials

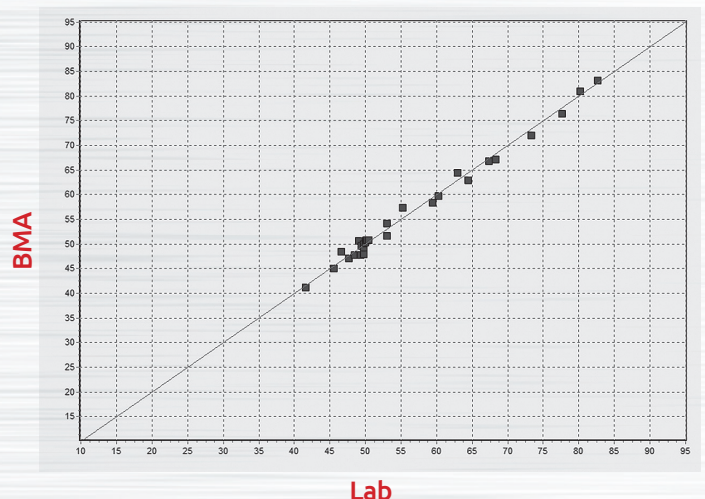
### Enables:

- Fast controlling and monitoring throughout the material chain
- Instant value calculation based on solids content
- Increased amount of material samples in the same time and space

## Benefits of unique Inmec technology

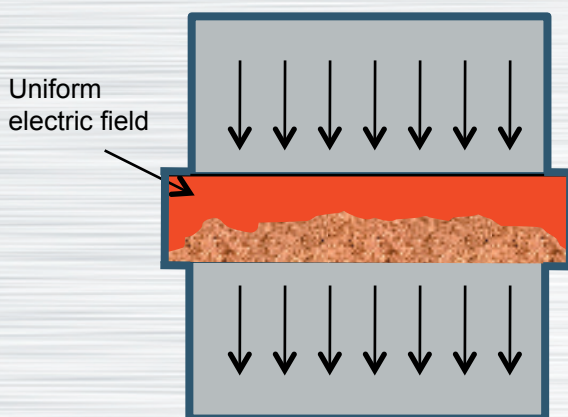
- Easy to use
- Safe
- Unbeatable speed, instant result 100% measurement of the sample, not just surfaces
- Optimal size for representative sample
- Not sensitive to surrounding environment, such as metal objects

## Pine wood chips, solids content BMA vs. lab



## BMA General

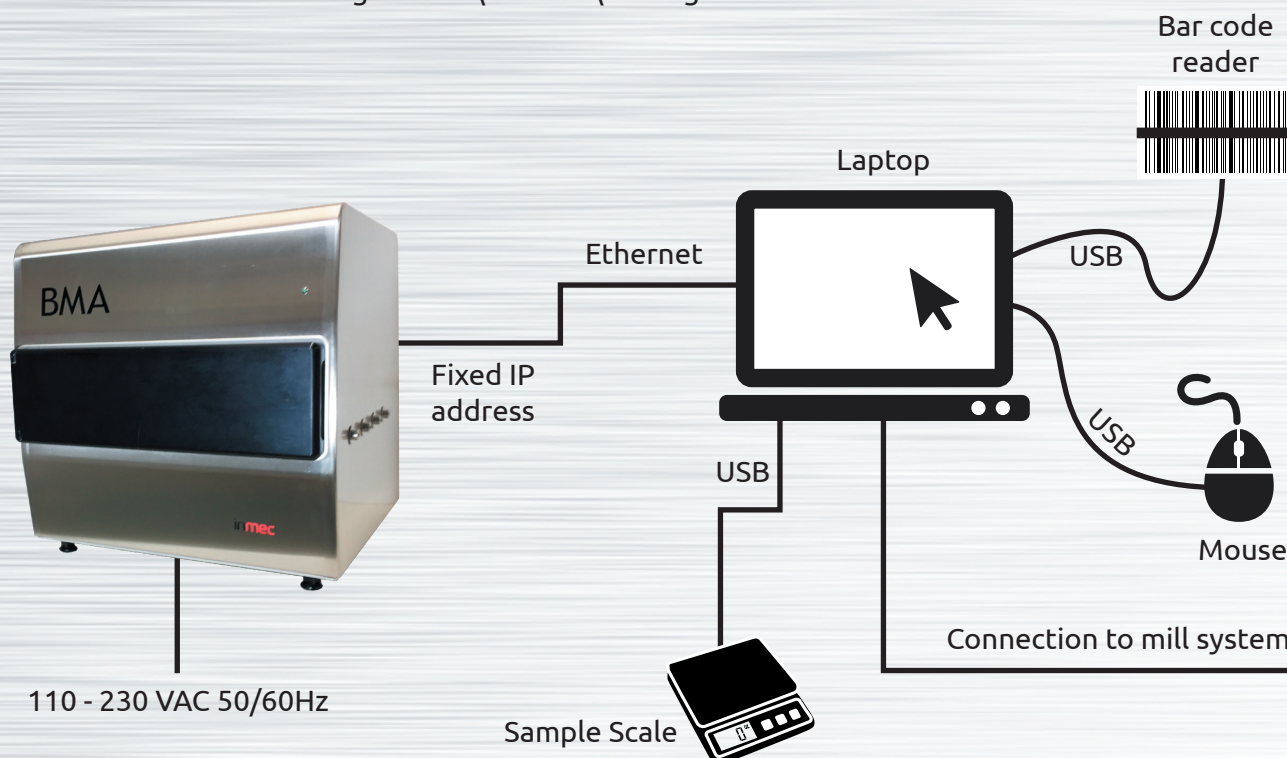
BMA is a moisture analyzer for chipped or crushed biomass. Measurement is based on microwave measuring field, which is affected by the unique electrical properties of water inside the biomass sample. BMA's measurement principle is presented in the image below. Measurement coverage is 100%.





BMA analyzer is connected to a PC that works as a user interface and data storage. Results are available from BMA's user PC and can be exported in MS Excel format or CSV-file to external systems.

The destination of BMA Settings-file: C:\BMA DT\Settings



## BMA key facts:

- **Sensor type** Microwave moisture analyzer
- **Measuring range** 0-70%
- **Accuracy, wood chips** <1.5% std deviation\*
- **Repeatability** <0.5%
- **Measurement duration** 0/5 seconds
- **Nominal sample size** 1,5 ltr.
- **Max particle size in a sample** 40\*40 mm (EN-14780:2011)
- **Size** W60 x D60 x H63 cm
- **Weight** 60 kg

- **Operating temperature** 18 – 25 °C
- **Sample temperature** 10 – 30 °C (Non-frozen)
- **Data collection** SQL database  
Export as CSV file  
Integrable to factory systems
- **Operating voltage** 110 – 230 VAC 50 / 60 Hz
- **Input current** 1 A

Delivery includes Windows laptop and scale.

\*Sampling, sample preparation and reference moisture determination must be carried out according to applicable EN-standards (EN-14774-2:2010, EN-14780:2011).