BIOMASS ANALYZER

A new way to analyze biomass and wood chips

As the world is moving toward increased use of different types of biomass, a quick and reliable determination of the moisture/dry content, ash and energy content is essential for a correct evaluation of the biomass.

✔ Biomass quality
To accurately and quickly determine the content of "as received" chips and biomass at the scale house is very important. The Biomass Analyzer enables a mill to swiftly and precisely measure moisture and ash for feedback and valuation. Being able to verify the raw material within specification is critical.

✔ Ideal for pulp mills, pellets manufacturers, bioenergy plants and traders
The Biomass Analyzer is ideal for everyone involved in producing, selling, delivering and consuming wood-based biomass. Not only will it analyze the quality of the biomass, but it will also help optimizing its use.

✔ Fast and easy
The Biomass Analyzer is incredibly easy to operate and it takes a few minutes to analyze a sample container.

✔ Integration
The Biomass Analyzer is easy to integrate with existing ERP systems so that you can keep track of fuel quality. The system also has optional RFID labelling to make accurate automatic tracking even easier.

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Usage areas

At the arrival area
Analyze the chip's or biomass' content on an "as received basis" for valuation.

At your storage area
Use the data from the analyzed for improved mixing.

In the laboratory
Replace conventional ovens for a quicker and more accurate measurement.

Technical description

The Biomass Analyzer is using the latest X-Ray technology in combination with artificial intelligence, AI, to do the analysis.

The Biomass Analyzer is type-approved* by Swedish Biometria, which means that it can officially be used as a measuring method to determine price and quality on the market for wood-based biomass.

Technical specification

Weight:	500kg, 1100Ibs
Size (WxDxH):	100 x 70 x 130 cm
Power:	230V AC, 50HZ, 700W in operation, 100W in standby
Screen:	12" touch screen
Integration:	ERP systems such as Viol 3
Labeling and certification:	CE, ISO 9001, type approval by Biometria*

*) The type approval refers to dry content measurement of wood chips and sawdust, frozen and unfrozen, in the dryness range 40–70 percent. Type approvals for more varieties are coming up in 2025 and 2026.

The Biomass Analyzer for determining the quality of wood-based biomass and woodchips.

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