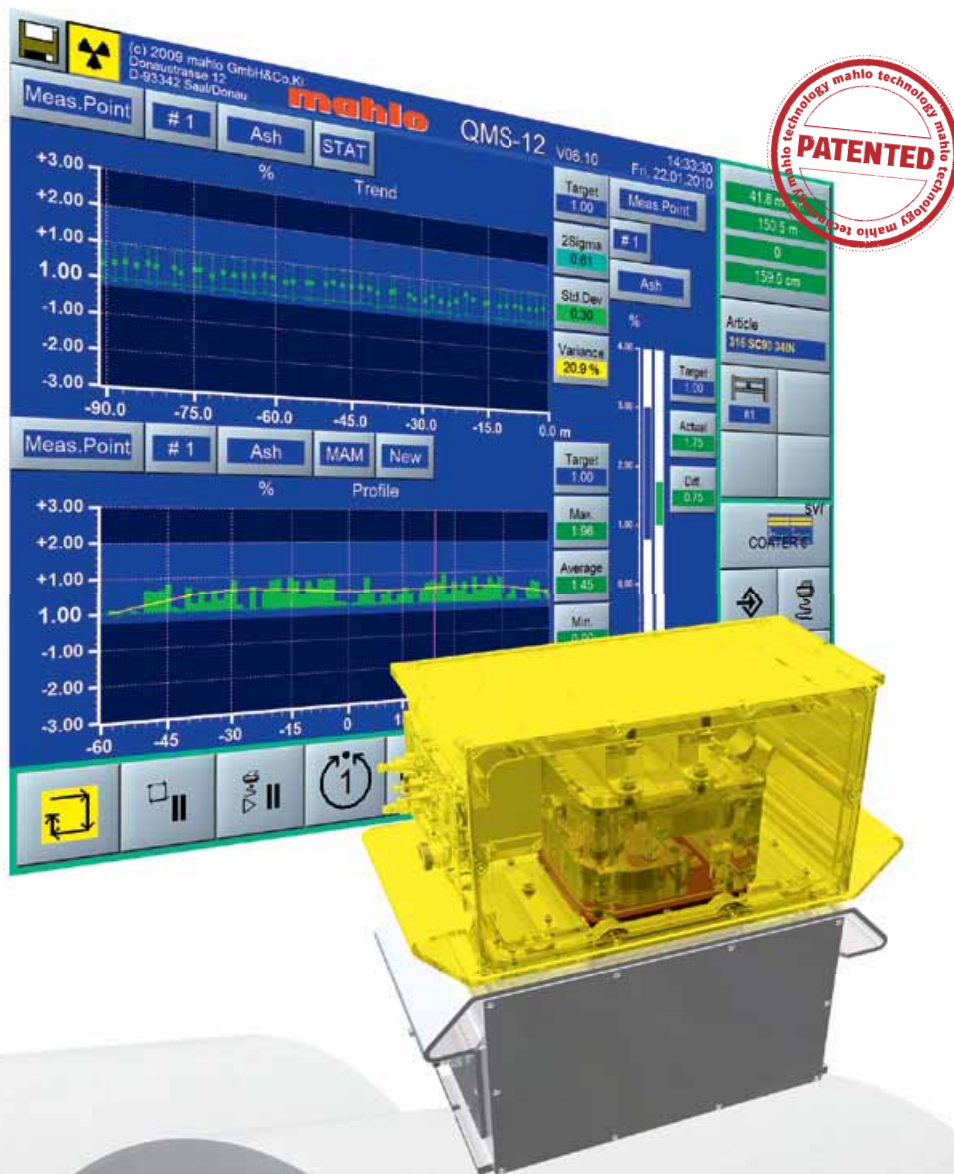


ASHPRO FMA

Measuring the ash content of paper



ASHPRO FMA





TEXTILE



NONWOVENS



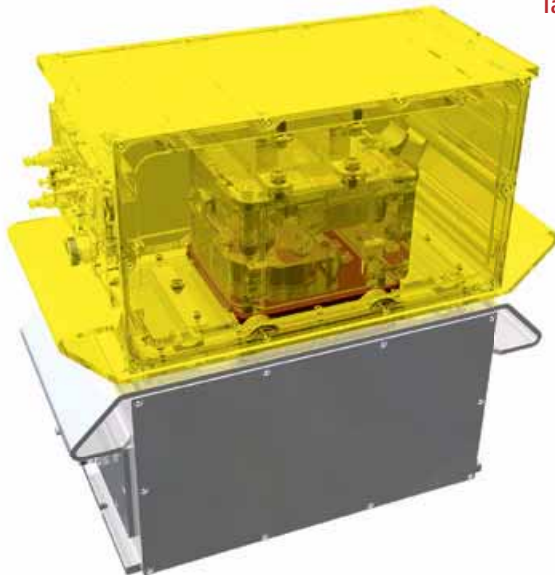
PAPER



PLASTIC

ASHPRO FMA

Measuring the ash content



Tasks

The large number of different and highly specialised products in the paper and paper processing industry requires modern analysis processes to ensure consistent product quality. From tea bags and pulp to copying paper and up to heavy cardboard – there is a vast variety of materials for which the exact ash content needs to be determined in production.

Solution

The exact determination of the ash content is made possible through a sensor combination of Gravimat DFI and Ashpro FMA. The Gravimat DFI determines the grammage of the paper web – regardless of its fillers. The Ashpro FMA measures the reduction of the emitted radiation as it passes through the product web. This reduction is primarily caused by the fillers. The total ash content can be determined through reference to the grammage of the product.

Benefit

The ash content is a common expression for the paper components (inorganic fillers and pigments) that remain unaltered when cellulose is burned. For example, these are calcium carbonate, kaolin or titanium oxide. They affect important properties of the paper such as transparency, whiteness, dye absorption or coating. These properties and thus the quality of the product can be controlled by changing the ash content. Observing the max. ash content is also of fundamental importance with paper manufacturing using recycled paper. Furthermore, exceeding specific upper limits of the ash content causes increasing losses of fibre and results in higher disposal costs.

Can be used in

- QUALISCAN QMS-12



The ash content plays a major role in all segments of the paper industry.



Utilizing the Ashpro FMA in paper manufacturing with large proportions of sugarcane fibres.

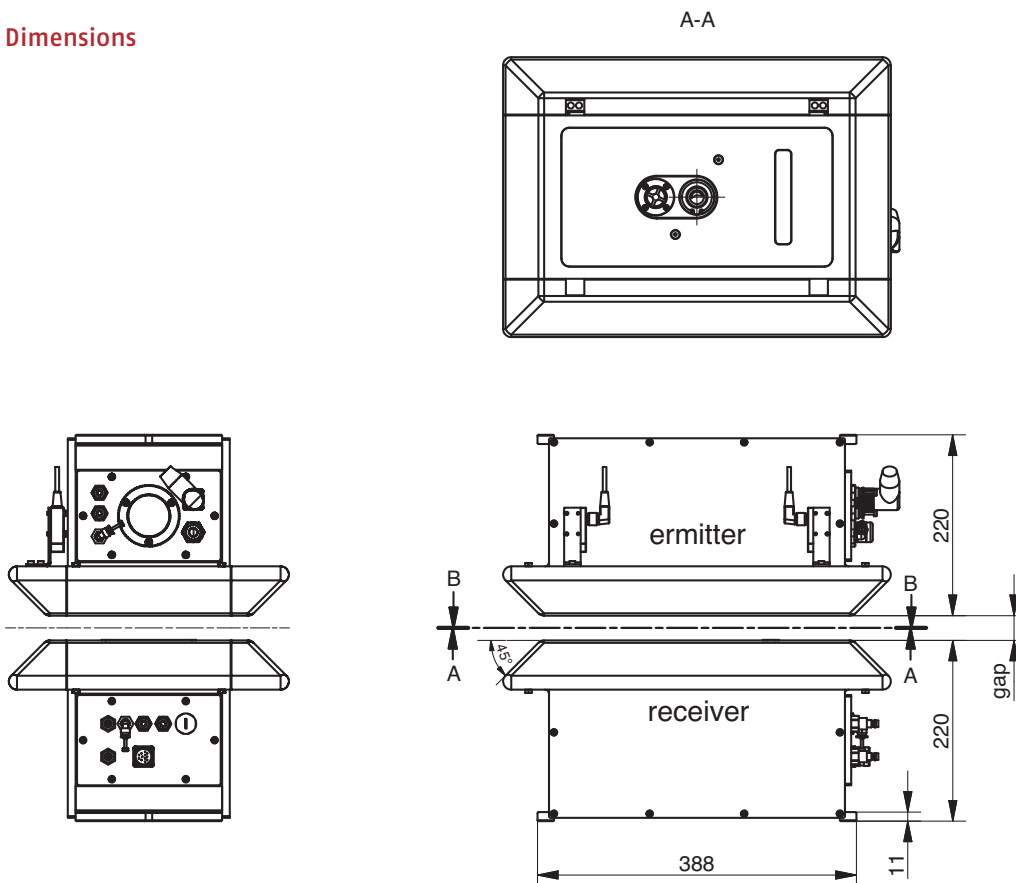
Product highlights

- ✓ Contactless determination of the ash content and the grammage
- ✓ Intelligent sensor with fast microprocessor for measurement pre-processing
- ✓ Variable measuring gap geometry for different customer requirements

TECHNICAL DATA | ASHPRO FMA

Sensor	Ashpro FMA
Measuring principle	Absorption of X-ray radiation
Measuring gap height	10 - 30 mm
Power supply	24 V DC
Max. ambient temperature	60 °C, 0 - 95 % relative humidity (non-condensing)

Dimensions



Customer benefits

- ✓ Preventing increased fibre losses
- ✓ Optimising the disposal costs
- ✓ Optimising and control of the product quality
- ✓ Long life expectancy through the use of high-quality components
- ✓ Broad measuring range

Monitoring and control systems, automation:

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