

## GPX MAGMA

*Non-destructive porosity analysis*



The GPX MAGMA is a completely non-destructive and non-contact at-line instrument for optical porosity analysis of ribbons produced by e.g. a roller compactor in the process of the tablet production. The instrument is fast with a measurement time of a few seconds, accurate and easy to use.

No special sample preparation is required. The sample is placed on the sample stage and the automated process of the instrument moves the sample into the instrument, which offers easy testing. No lab with additional instruments needs to be available and the measurement can be done at-line by a normal line operator. Due to the non-destructive technique, the sample is unchanged after measurement and is available for further use.

The instrument is operated by the proprietary software MAGMA-studio.

### Benefits

- Easy to use
- Non-destructive
- Non-intrusive
- Results within 30 s
- Accurate
- Robust

**Technology:** Gasporox is highly specialize in the development and application of optical spectroscopy. The system combines two techniques, GASMAS (GAs in Scattering Media Absorption Spectroscopy) and TOF (Time Of Flight). A special algorithm is calculating the optical porosity and the integrated calibration curve converts it to the physical porosity.

### General system Specification

Measuring technique:	GASMAS (GAs in Scattering Media Absorption Spectroscopy) and TOF (Time Of Flight)	Housing:	Powder coated steel
Measurement range:	0-100% optical porosity	Weight:	25 kg
Measurement time:	Min 5 sec	Dimensions (HxWxD):	28x60x45cm excl. computer
Infrared laser:	Class 1 according to IEC 60825-1, 760nm wavelength	Voltage:	220 V
Accuracy:	±1% absolute	Temperature:	15-30 °C
Startup time:	1 min	Accessory:	Sample holder