

Measurement system for cut packaging pieces

Manufacturers in the packaging industry make high demands with regard to their production quality. For sampling inspection for example, the cut pieces of packaging are extracted from the production, placed in a measurement system and a nozzle system draws them down flat by suction. A non-contacting triangulation sensor scans the surface to measure the topography of the cardboard and to determine the line of the grooves, edges and the associated lengths to high accuracy.

The results are documented and provide a means of correcting the production process at any time.

Technical details

- Measuring range: 1 mm
- Accuracy: 0.3 % FSO
- Resolution: 1 μ m
- Band width: 10 KHz (-3db)

Ambient conditions

- Temperature: 10 - 40 °C
- Medium: air

Measurement system optoNCDT

- 1 x LD1605-2 Optical displacement sensor
- 1 x PC1605-3 Output cable
- 1 x PS1605 Power supply

Reasons for the system selection

- Small light spot diameter.
- Accurate, fast and reliable.
- Non-contacting and therefore wear-free.
- Laser Protection Class 2



Pic: KWBtec GmbH, Hückelhofen