

emco PPA decor Paper-Testing-Automat

Compact testing machine for papers

Self-controlled determination of cross direction profiles



The paper testing automat is used for automatic testing of decorative paper on single sheets or profiles. The following quality parameters are measured by default:

- | | | |
|--------------------------------|-----------------------|----------------|
| • Smoothness according to Bekk | Bekk seconds | DIN 53 107 |
| • Thickness | μm | DIN EN ISO 534 |
| • Porosity according to Gurley | Gurley seconds | TAPPI 460 |
| • Basic weight | g/m^2 | EN ISO 536 |
| • Climate of paper | % rH, °C | |
| • Climate of surrounding | % rH, °C | |

Properties

- High test frequency
- Minimization of subjective influences
- Fast availability of results for current production control
- Accurate correlation of test parameters to machine geometry
- Continuous recording of climate conditions of paper and surrounding

The special features of emco PPA decor enable the automat to be used efficient for research, development and quality control.

Construction and Function

With a roller system the paper is transported to the exact position of the measuring units. Therefore it exists for each strip position all selected test parameters, available through a database.

A 310 mm wide test strip is inserted into the PPA. The desired test parameters (test position, range, step size, etc.) are entered via touch screen or retrieved as configured job from the operational information system over the network. According to the test order, the parameters are determined, the profiles displayed and written to the database. The printout happened automatically.

Technical data

Width of paper:	310 ±5 mm
Parameter:	
▪ Smoothness acc. to Bekk	DIN 53107
▪ Thickness	± 1 µm
▪ Porosity acc. to Gurley	Tappi T 460, ISO 5636/5
▪ Grammage	50 up to 400 g/m ² ±0,2 g/m ²
▪ Climate conditions	Paper and surrounding
Overall Dimension (LxWxH):	1250 x 1200 x 620 mm ³ (without desk)
Weight:	approx. 150 kg
Power supply:	115 / 230 V; 60 / 50 Hz with USV
Air pressure:	6 bar, (dried and deoiled)