

emco PPA decor Paper-Testing-Automat

Compact testing machine for decor papers

Automatic determination of cross profiles on the paper machine



The paper testing device is used for the automatic testing of decor paper on single sheets or for determining profiles. The following quality parameters are measured as standard:

- | | | |
|--------------------------------|----------------|----------------|
| • Smoothness according to Bekk | Bekk seconds | DIN 53107 |
| • 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 | |
| • Ambient climate | % rH, °C | |

Properties

- High test speed
- Minimisation of subjective influences
- Fast availability of results for ongoing production control
- Precise assignment of test parameters to machine geometry
- Continuous recording of the paper and ambient climate

The special features of the *emco* PPA decor enable efficient use in research and development as well as for quality control.

Construction and mode of operation

A transport roller system transports the paper strip to the measuring units at the exact position. Thus, all selected test parameters exist for each strip position, 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 are displayed and written to the database. The protocol is printed out 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 ambient climate
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 oil-free)