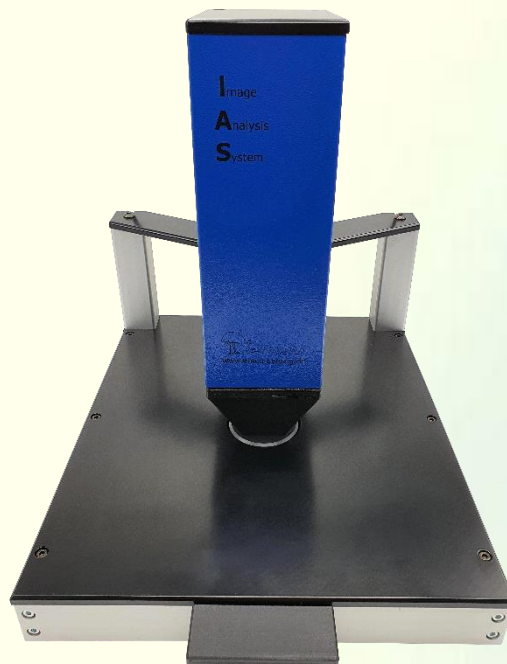


emco IAS

Press Marks Tester

**Device for Detecting and Controlling the
Embossing of Cigarette Papers**



The visual appearance and functionality of cigarette papers are modified by linear embossing, which is known as Press Marks. The quality of this embossing is clearly characterized by four parameters:

- Intensity of Press Marks
- Average distance between the Press Marks in μm
- Average width of the Press Marks in μm
- Homogeneity of the paper surface in reflected light (formation)

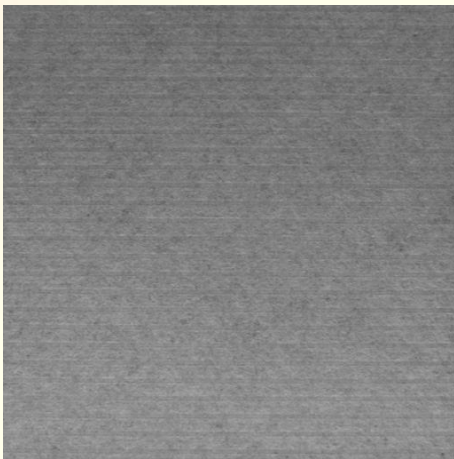
These parameters are determined with the Press Marks Tester according to original algorithms of Dr. Hermann Praast, Darmstadt.

Design and functionality

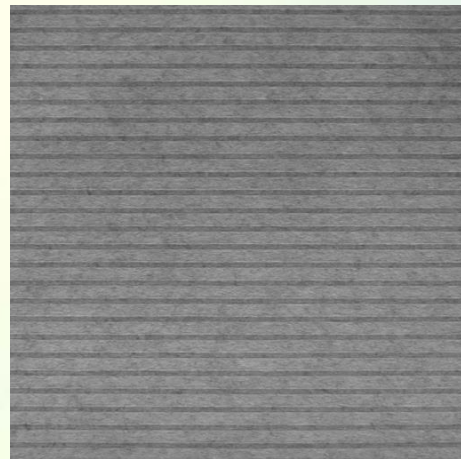
A reflected light system illuminates the paper sample in such a way that lighter or darker areas are captured by a camera. The high-contrast image is digitized and then evaluated. The devices are calibrated and provide reproducible results. The devices can be checked independently at any time by means of a standard.

Application

Quality control in the paper manufacturing and converting industry



Weak embossing



Strong embossing

Technical data

Measuring field: 24 mm x 24 mm and 12 mm x 12 mm
Illumination: reflected light

Scope of supply

Device with camera and illumination unit, power supply unit with mains plug, calibration standard and certificate
Pan drive with software and drivers, software protection USB dongle, PC ware on request

System requirements

CPU Intel® Core™ i5-2520M, CPU @ 2.50 GHz, Cores: 4
RAM 4 GB
Operating system (OS) Microsoft® Windows® 10 32/64 bit (required for USB 3.0)

Dimension

Net: 480 x 360 x 440 mm³ / 11.0 kg
Gross: 800 x 600 x 700 mm³ / 20.0 kg