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Bendtsen Roughness and Porosity

Model 58–27

INDUSTRIAL PHYSICS

Protecting
Product Integrity

All-Around Roughness and Porosity

The Bendtsen Tester is able to measure both the roughness and porosity of paper and board. The instrument is easy to use. The 7-inch touchscreen uses intuitive icons.

Test Results

The original test design of Dr. Bendtsen had problems keeping the air pressure at a constant level. The 58-27 Bendtsen tester measures the air pressure in the head. Thererfore, a change in pressure is directly recorded and controlled.

Features:

- Measures both Roughness and Porosity
- 7-inch touchscreen
- Internal Calibration Routine
- Electronic measurement for constant air flow
- Flexible roughness head
- Sheffield options available

International Standards:

Roughness

- ISO 8791-2
- Scan P21
- Nen 2012
- BS 4420
- DIN 53108

Porosity

- ISO 5636-3
- Nen 2015
- BS 1990
- DIN 53120

Is your required standard not here? Ask us.

Technical Specification:

Model	58–27 Series
Measuring units	roughness ml/min, l/min porosity ml/min, l/min, µm(pas.s)
Measuring range	20–5000ml/min
Test pressure range	0.7–2.5kPa
Accuracy flow:w	0.5% of reading
Language	Several available, including Chinese

Installation Requirements:

Electrical	110V/230V/50/60Hz
Air	400–600kPa
Dimensions	460x430x230mm (LxWxH) (18x17x9inch)
Weight	16kg (36lb.)

Output:

- Mini USB

Optional/Accessories

- Graph Master

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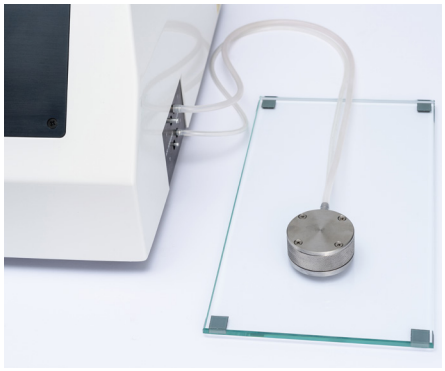
6 Unique Features:

Touchscreen

The touchscreen uses big icons to guide you through the settings and tests. This makes navigation intuitive and less language dependent.



Roughness head

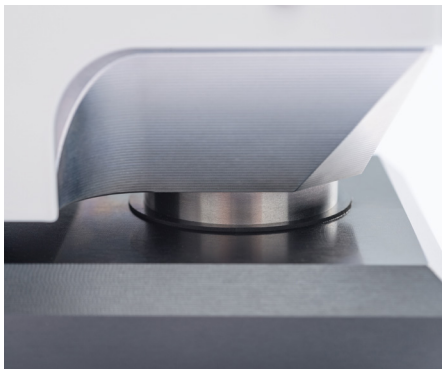
The roughness head (10cm²) is connected to the instrument with flexible hoses. The flexibility makes it easy to rapidly perform multiple tests.

Porosity head

The porosity head clamps the sample automatically ensuring a constant pressure. Roughness and porosity can be measured with one instrument.

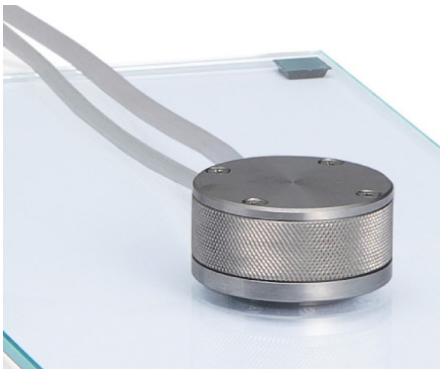
Constant pressure

A constant air pressure at the measuring head is vital for a reliable result. The Bendtsen has a direct feedback, making it possible to adjust if needed.



Sheffield option

The Bendtsen tester can also be supplied with a Sheffield option. A special head is connected to the Bendtsen to meet the Sheffield specifications.



Refurbish roughness head

Replacing the measurement ring is very easy. This avoids replacing the complete, expensive, head when it wears over the years.

Contact Details

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