

# Smoothness-B Module

## Valmet Paper Lab

Smoothness (roughness) Bendtsen measurement is suitable for most paper and paperboard grades.

Smoothness-Bendtsen module clamps the sample between a measuring head and backing, and generates a pressure difference between the measuring head and surrounding air. The module then measures the flow of air between the measuring head and sample, caused by the roughness of paper surface. The result is reported as B-roughness, ml/min. Both sides of the sample are measured.

Measurement according to standards SCAN P21, ISO 8791-2. Related standards: DIN 53108, BS 4420.



### Benefits for the papermaker

Simultaneous measurement of the top and bottom sides of sample

Fast, accurate measurement

Wide measuring range covering most paper and paperboard grades

### Technical data

Size (cells)	2
Weight	upper module 4.5 kg (9.9 lbs)
	lower module 3.5 kg (7.7 lbs)
Measuring range	
- Roughness-B [ml/min]	10–3000

