

Blackening Module

Valmet Paper Lab

Blackening module measures the non-uniform optical appearance of highly calendered papers.

The module clamps the sample against a backing and illuminates it. An intelligent camera captures the image of a 1 cm x 1 cm area, and the blackening index is calculated from the image. The module can be installed to measure the top and/or bottom side of paper or board.



Benefits for the papermaker

- Fast, reliable, automated measurement
- Tool for process control (furnish, calendering)
- Objective visual measurement of paper appearance
- Top and/or bottom side measurement

Technical data

Size (cells)	1
Weight	upper module (measuring) 4 kg (8.8 lbs) lower module (backing) 3 kg (6.6 lbs)
Blackening index	0–100

