

Scarredness Module

Valmet Paper Lab

Scarredness has an effect on surface smoothness, ink absorption and printability. It is also an important characteristic for various coating treatments.

Scarredness also indicates the quality and condition of paper machine wires and felts.

Scarredness module illuminates the sample with even, parallel light and a 1cm x 1cm area is analyzed by using an intelligent camera. The module can be installed to measure the top and/or bottom side of paper or board.



Benefits for the papermaker

- Fast, automated surface structure evaluation
- Helps to predict printing properties
- Indicates PM felt and wire condition
- 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) |
| Examples of calculated properties: | |
| - Scarredness index (Scl) | |
| - Scarred area (%) | |
| - Average size of scars | |
| - Number of scars / cm ² | |
| - Roughness index (RI) | |

