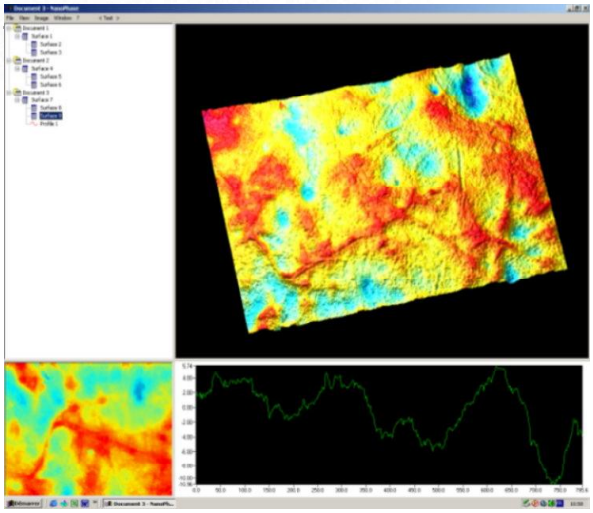
TOPO 3D

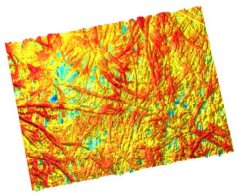
3D Surface Topography for Paper

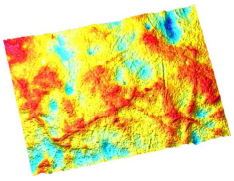
- Non contact technology for measurements on diffusing samples
- Fast acquisition time allows control during production
- High spatial resolution for accurate 3D measurements
- Powerful software for visualization and quantitative analysis of surfaces

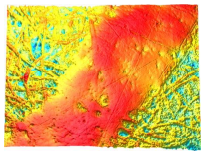
Centre Technique du Papier has associated its experience with the expertise in optics of *Ecole Supérieure d'Optique (ESO)* and *Institut de Microélectronique, Electromagnétisme et Photonique (IMEP)* to design a new advanced device which quickly characterizes the surface of paper and board. *Enhanced white light vertical scanning interferometry* gives high resolution, 3D surface measurements on plastic, metallic or diffusing samples in few seconds

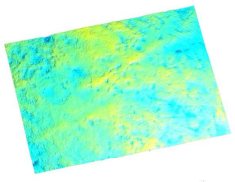


The quality of printing paper is intensely dependent on the paper's surface preparation. Surface treatment processes such as coating and calendering have been developed to improve the surface flatness and smoothness.
However, till now, it has been difficult to acquire detailed measurements of paper surface topography... with speed









This device is designed for easy, routine inspection. Acquisition time, reduced to maximum, generally requires less than one minute allowing paper control on the production floor. User friendly software is fully automatic and the operator needs only to position the sample.