

Fiber Properties-Paper Quality Multidimensional Fibre Characterization

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ABSTRACT

This paper deals with the methods of characterizing fibre properties in order to get defined paper properties. The reasons for on-line real time measurement will be discussed as well as the advantage of pulp characterizing methods based on single fibre properties compared with traditional laboratory measurement on a hand sheet.

Discussions of some applications involving on-line fibre analysis.

A completely new on-line measuring system based on the state-of-the-art today will be presented.

By combining knowledge from next generation analyzers and use of new tools for control applications a supervisory control system for optimization of fibre quality will be presented. This contributes to an added value from both lower production cost and more stable quality.

Some typical applications set up by using this new analyzer in combination with adopted control package will be presented.