
Experiences with Optimisation of a Retention Aid and Dosage System

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This essay describes long-term experiences on one of the most modern news print paper machine with an innovative, freshwater free whirl-dosing mixer for additives. The wish to improve the runability of a paper machine has initiated this very simple and compact dose-mixing system between screen and headbox.

This presentation briefly illustrates the decision making process for this investment. Afterwards, it will touch upon the possible improvements of the retention aid efficiency. After having demonstrated the reduction of paper defects and other improvements, the authors will focus on the monitoring and improvement of the paper quality. Suggestions will be given on how to perform further melioration steps. The requirements for the dose preparation equipment will be outlined, and possible malfunctions will be described to which solutions will be presented.

The intention of this presentation is to provide ideas for all dose process partners to detect problems, and to reduce and solve them together.
