

TAMPERE POLYTECHNIC –
UNIVERSITY OF APPLIED SCIENCES

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FINAL THESIS

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CONTROL OF HYDROPHOBIC PARTICLES IN A NEWSPRINT MACHINE

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ABSTRACT

The aim of this thesis work was to analyze the results of a trial, concerning a new kind of surface active cationic deposit control chemical, which was carried out in a newsprint machine. The trial was started due to a project the paper machine was carrying out. The aim of the trial was to reduce the amount of middle-sized holes and small dark spots in the finished paper product. Other objective was to increase the speed of the machine and improve the total production and that way increase the efficiency number.

Confidential

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TIIVISTELMÄ

Työn tarkoituksena oli analysoida eräällä sanomalehtikoneella toteutetun koeajon tulokset. Koeajossa käytettiin uudenlaista kationista pinta-aktiivista saostumanestoainetta. Koeajo aloitettiin erään projektin tuloksena, joka oli meneillään kyseisellä koneella. Koeajon tarkoituksena oli vähentää paperirainan keskikokoisten reikien ja pienien tummien täplien määrää, sekä nostamaan koneen nopeutta. Koneen nopeuden nostolla pyrittiin lisäämään tuotantoa ja siten parantamaan tehollisuutta.

Luottamuksellinen

FOREWORDS

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