

Waggeryd Cell first to put in CrillEye

The first mill installation of CrillEye, developed in cooperation between PulpEye and the Swedish research institute Innventia, has been installed and is successfully running at Waggeryd Cell in Sweden. Important pulp strength properties can now be predicted online, which contributes to a stable pulp quality, quicker grade changes and reduces man-hours for lab tests.

Waggeryd Cell is a privately owned producer of bleached softwood CTMP with an annual capacity of 175,000 tonnes. The production line has three-stage refining, peroxide bleaching and ends with a flash dryer.

The crill measurement is based on comparison of two optically measured surface areas (light absorption). The total area of fibres and crill is measured with UV. The total area of fibres only is measured with IR. The “crill variable”, KFP, is a concentration independent ratio, obtained when the fibre+crill area (UV) is divided by the fibre only area (IR). No image analysis is required, making the measurements extremely fast.

“In reality this means that tear, tensile, burst index, Scott Bond and density can be calculated by this technology,” says Öjvind Sundvall, MD PulpEye AB. “As the CrillEye measurements are online, new calculations can be provided every five to fifteen minutes and less man-hour are required for doing these tests manually in the laboratory. Laboratory tests are only needed for calibrating the CrillEye equipment.”

“We measure crill on all our pulp types and by combining crill data with fibre data, PulpEye provides us with the necessary strength properties online”, says Mikael Nylander, Mill Manager at Waggeryd Cell. “This gives us quicker grade change, which is important as we have a great number of qualities and each quality is unique to each customer. Thanks to CrillEye on-line measurement we are able to run closer to our targets, which mean energy savings.

“We now have a faster and more accurate quality follow-up and the pulp quality to the customer is defined from PulpEye”, Ulf Karlsson, President at Waggeryd Cell AB adds. “Needless to say, we are very happy with this investment”.

Links to photos:

<http://www.pulpeye.com/wp-content/gallery/pressrelease/crilleye-1.jpg>

<http://www.pulpeye.com/wp-content/gallery/pressrelease/crilleye-2.jpg>

Captions

CrillEye 1: Waggeryd Cell has the first installation of CrillEye

CrillEye 2: CrillEye was developed in cooperation between Swedish Innventia and PulpEye.

For more information, please contact

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