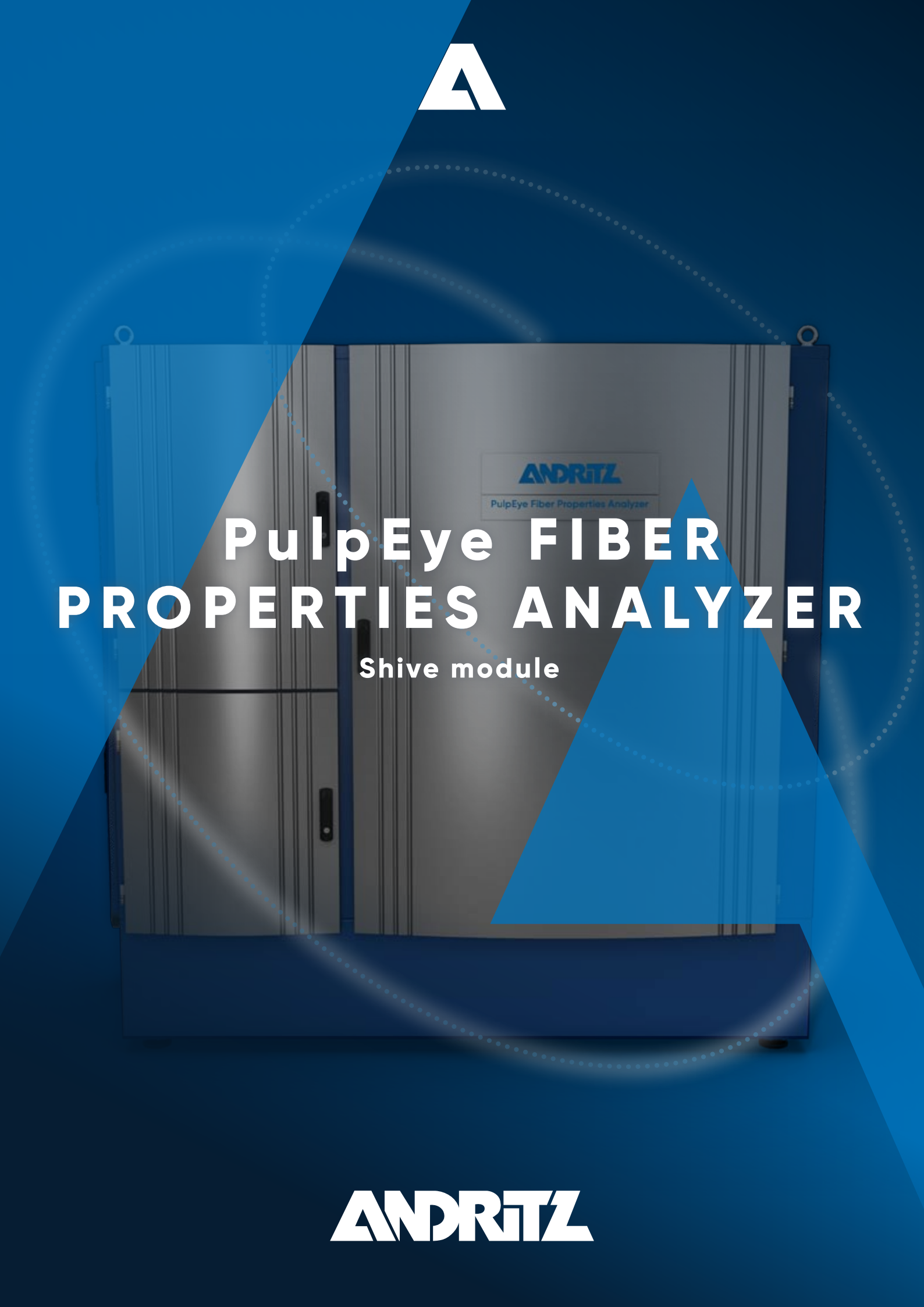


PulpEye FIBER PROPERTIES ANALYZER

Shive module

ANDRITZ

Shive module for reliable frequent shive data

The shive module is a shive classification module working according to TAPPI/ISO standards.

The demands on pulp and paper quality have increased over the years. With the varying supply of wood in today's mills keeping an eye on the shive content have become increasingly important. The shive content has a big impact on the final product and needs to be monitored to maintain even quality. This reliable and frequent quality inspection enables the pulp manufacturer to control and optimize the pulp quality. Data from the shive module can be used for quality inspection, fault detection, raw material control, product development or quality assurance for customers.

RAW MATERIAL CONTROL

The shive module detects variations in the wood supply.

QUICK RESULTS

With a frequency of up to once every three minutes, the shive module will provide reliable and frequent results.

RAPID SAMPLE PROCESSING

The shive module will anayze 0.5 g in 45 seconds giving accurate and detailed information about the shive content.

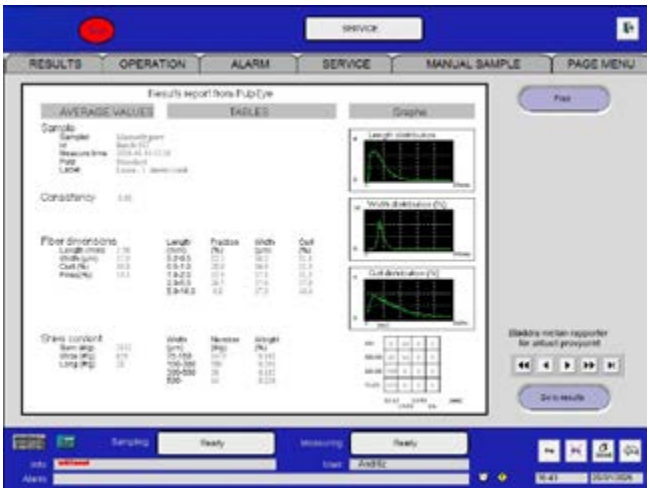
DECREASED RISK FOR DOWNGRADING OF PULPS

Continuous monitoring of the shive content of the final pulp before the pulp dryer minimizes the risks for downgrading of pulps.

EARLY DETECTION BEFORE PAPER MACHINE

Problems with varying shive content can be detected already in the pulp mill and dealt with before reaching the paper or board machine. This speeds up the possibilities to solve or eliminate many quality problems, including web breaks.

The shive module is integrated in the PulpEye cabinet.



Results from shive module.

PulpEye – SHIVE MODULE

Data from the shive module can be used separately or combined with data from other PulpEye Fiber Properties Analyzer's modules like Fiber and Freeness information to frequently and accurately classify the pulp quality.

OPERATION

The shive module is integrated into PulpEye Fiber Properties Analyzer as a separate module. The module can easily be controlled from the PulpEye Fiber Properties Analyzer user interface.

FUNCTIONS AND FEATURES

The shive module measures the shive content of the sample. An advanced camera system measures 0.5 g sample in 45 seconds, giving accurate and rapid results.

OUTPUT

- Average shive length [mm]
- Average shive width [mm]
- Shive amount [numbers/g]
- Shive weight [%]
- Detailed distribution for shive length
- Detailed distribution for shive width

PARTS

- Camera unit including smart camera, LED light source, optics and flow cell
- Electronics box
- All parts are mounted into the PulpEye base unit

The shive module is using a high resolution smart camera for image analysis.

High resolution camera image.

PulpEye Fiber Properties Analyzer's cabinet.

GET AN OVERVIEW
PulpEye Fiber
Properties Analyzer

CONTACT US FOR MORE INFORMATION

Advancing autonomous operations is our vision and is becoming an integral part of industrial processes. ANDRITZ is at the forefront of this transformation, leveraging digital innovations along with deep operational and technical expertise to improve process efficiency, quality management, and production reliability and availability.

We focus on developing autonomous pulp mills and process optimization, to support efficient and sustainable operations by combining automation, electrification, intelligent instrumentation, and digitalization to create measurable value throughout the full life cycle and the entire value stream.

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