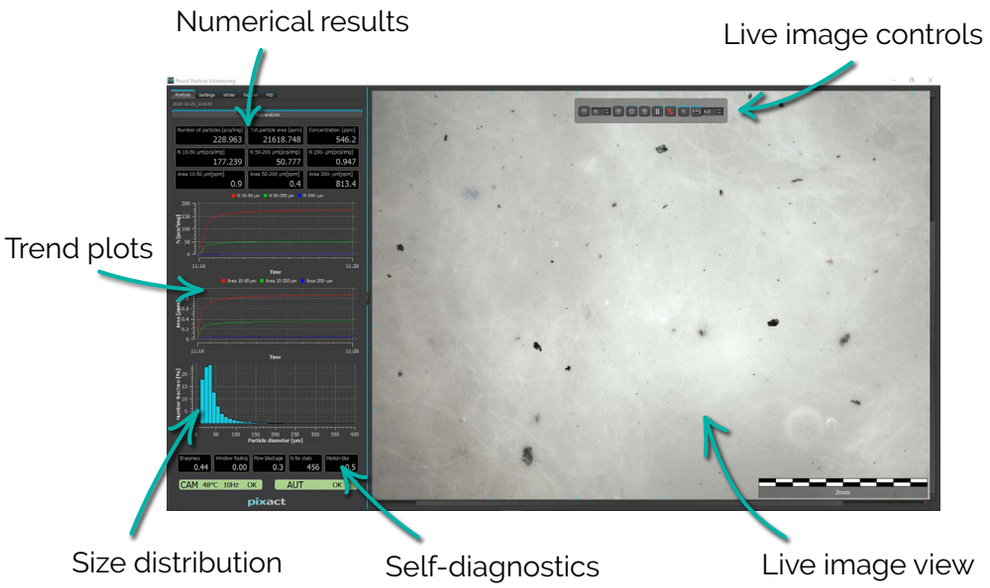
Pixact Stock Monitoring

Digitalize your process

The Pixact Stock Monitoring (PSM) technology is designed for the inline analysis of impurities and color of flowing pulp suspension.

The technology combines inline process microscopy with advanced image analysis techniques.

Real-time & inline – **no need to prepare samples**



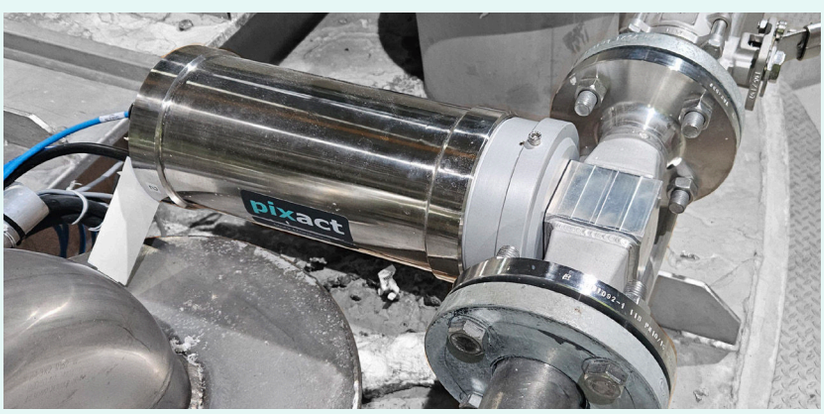
System displays microscope quality live image of the pulp suspension

Customers' experiences with PSM

*"After years of searching for a suitable dirt speck measurement system, the Pixact system helped us **optimize pulp production, improve quality, and enable targeted process interventions** across the Sappi Group."*

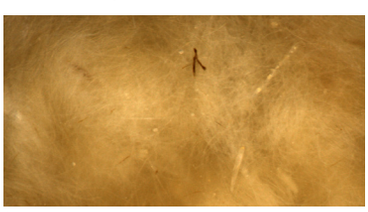
*"The system paid itself back in **less than six months**."*

Rainer Lex, Process and Quality Manager (PQM), Sappi Ltd.

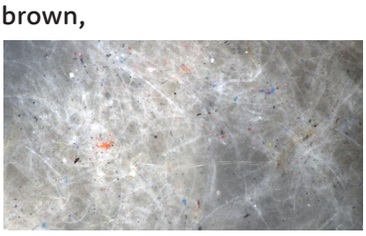


PSM is applicable to

bleached,



brown,



and **recycled** stock.

pixact
a brighter picture of your process

Benefits

- Analysis of uncooked components (shives etc.) **already in the brown stock**
- **Allowing real-time adjustment** of operational settings in washing, delignification, screening and bleaching (to varying impurity levels)
- Digital monitoring of the final **pulp quality** (impurities & color)
- Installation in stock preparation, broke system and short circulation enable **real-time control** of the process
- Installation of PSM in several locations helps to **track the origin of impurities** and enables corrective measures
- No moving parts - **minimal maintenance costs**

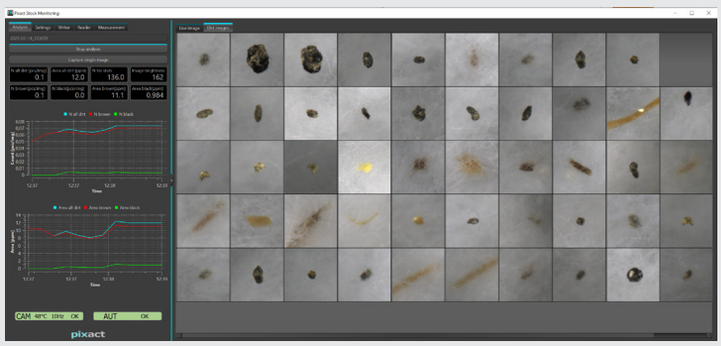
Measurement data

PSM system gives results for:

- Number of particles (e.g. pcs/m^2 or pcs/kg)
- Size (diameter or area), shape and color of each particle
- Customized particle classification and statistics for each class separately
- Images of detected particles are stored on the hard drive for later inspection
- Average pulp color/brightness trend

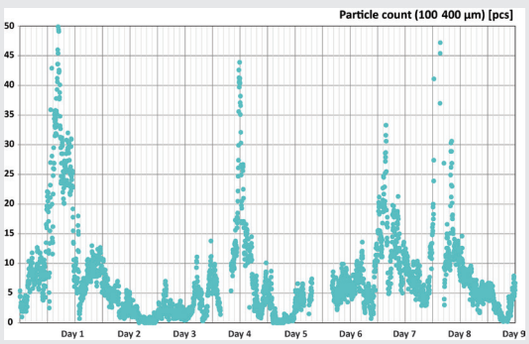
Detection of impurities

Impurities are detected from the image data and classified according to their visual characteristics



Analysis and reporting

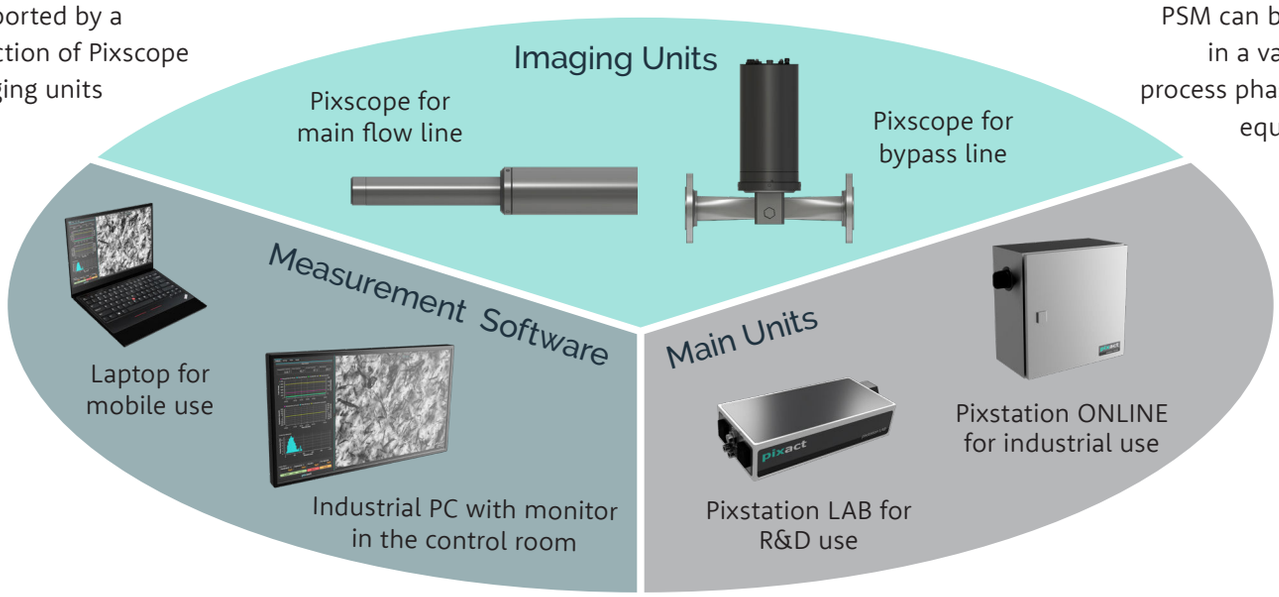
Real-time data on particle count and other statistics is reported to DCS



Pixact Solution

Supported by a selection of Pixscope imaging units

PSM can be fitted in a variety of process phases and equipment



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