

AUTOMATE YOUR QUALITY CONTROL WITH THE PRIMARY BREAKDOWN CLOSED LOOP

The primary breakdown Closed Loop automates quality control during primary breakdown operations. The main purpose is to always execute the optimized cant cutting pattern to get the full value out of each log. The closed loop system makes necessary adjustments automatically, in real time, to ensure this occurs.

BENEFITS

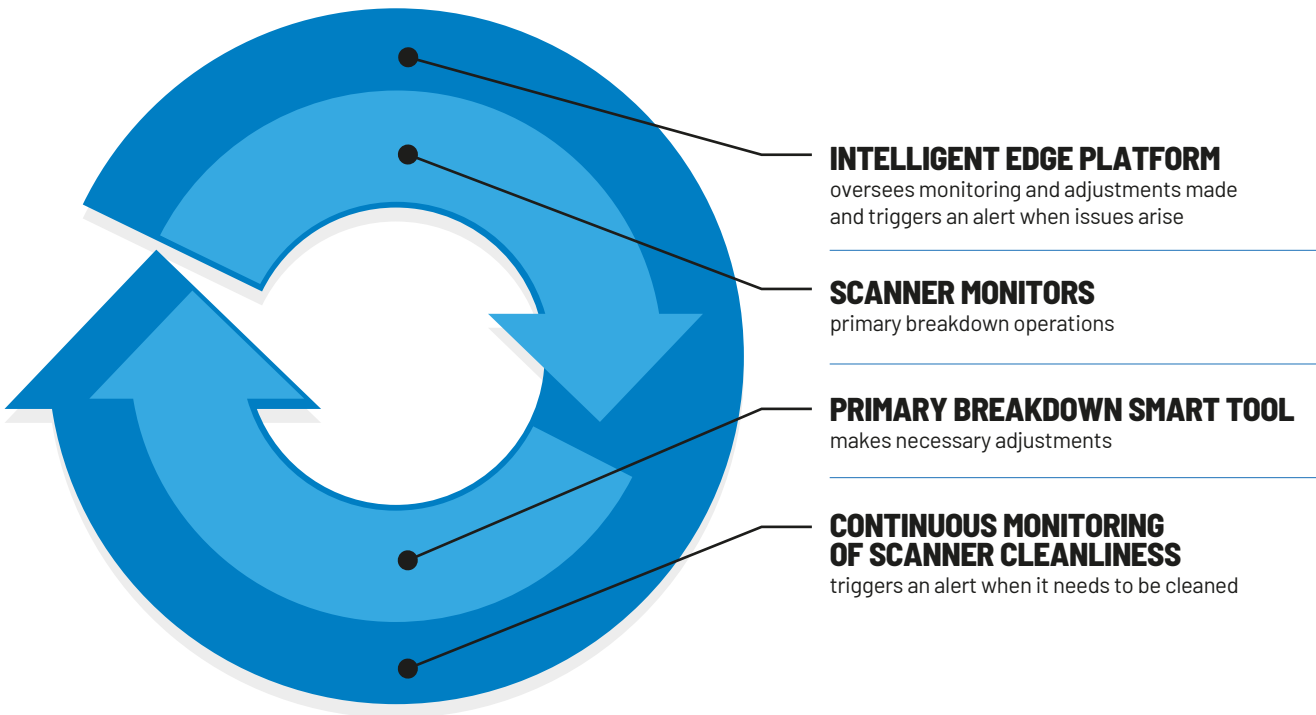
- Maximum optimization increases production value and ensures optimal recovery
- Allows you to determine smaller saw variation allowances for targeted size reduction
- Problems or mechanical breakdowns identified and displayed on a dashboard in real time, and alerts sent
- Automated quality control reduces pressure on team members
- Use of your existing secondary scanner for the closed loop system

KEY FEATURES

- Scanner data provide the real and complete shape of the log, offering unsurpassed accuracy
- Innovative Multi-offset Adjustment function speeds up the execution of adjustments and the correction of offsets
- Fastest closed loop reaction on the market for the definition of cutting patterns thanks to a strong mathematical model in the new Pattern Deduction function
- Automatically corrects offsets to cutting tools (canters, profilers, saws) and infeed module

PRIMARY BREAKDOWN SMART TOOL FUNCTIONAL DESCRIPTION

The goal is to execute the optimized cutting pattern at all times to get the full value of each log.
The closed loop system will make necessary adjustments to ensure this occurs.



MAKING IT HAPPEN

INSTALLATION REQUIREMENTS

- Comact optimizer at primary breakdown
- Comact optimizer at secondary breakdown or Comact scanner at primary breakdown outfeed
- Comact optimization software, version 5.1.2 or higher

TRAINING

Simple training to familiarize your operator and quality control teams with the dashboard

MAINTENANCE

This system is low maintenance. Simply:

- Ensure scanner camera cleanliness during operation
- Check dimension readings every month

Q&A

IS THERE A DOWNTIME PERIOD REQUIRED FOR INSTALLATION?

Yes, usually during a weekend. The computer hardware may need to be updated. You will also need either a new scanner or a network configuration adjustment if you plan to use the secondary breakdown scanner's data.

WHAT IS THE RAMP-UP PERIOD?

Once the hardware and the new software versions are installed, production can resume.

A wood processing specialist will calibrate the scanners, test the transmission/reception of the input/output, adjust the parameter thresholds, and test the alarms and notifications.

The primary breakdown Smart Tool executes very well without modifications to the scope of communication between the optimizer and the PLC. However, certain PLC add-on features are available to improve user experience—for instance, additional HMI notifications, manual and automatic resetting of offsets, or HMI view of automatic offsets. Therefore, if these features are requested, you should allow time for functional tests.



HOW CAN I MONITOR THE PERFORMANCE AND RELIABILITY OF THE SYSTEM?

Performance can be monitored with the dashboards that display primary breakdown operations in real time. There is also a history of all adjustments performed.

This technology is mature and reliable. It was developed in 2020 and has been thoroughly tested and improved since then.

No matter the size of the project, the BID team is always there to assist you at every step to ensure a quick start-up and adequate technical training.

All of this is supported by BID's Reliability Program and renowned 24/7 service.



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