Optimize your strander in real-time with

ARGUS Smart-Connected Technologies

As part of Kadant Carmanah's commitment to continuous improvement, our line of *ARGUS Smart-Connected Technologies (SCT)* provides wood room operators and management with the data they need to produce better quality strands, improve strander production, and prevent unexpected downtime.

ARGUS Condition Monitoring & Intelligence (CMI)

ARGUS Log Fill Optimizer (LFO)
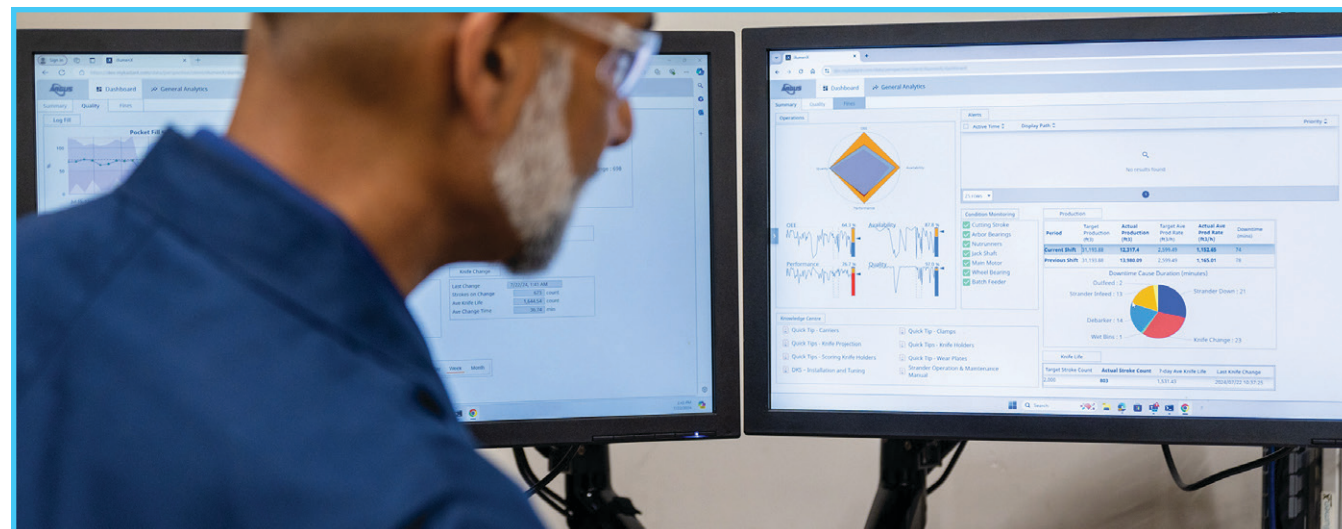

ARGUS Fines Measurement System (FMS)

DISCLAIMER: *All user interfaces presented – including dashboards, visualizations, and imagery – are for reference only and are subject to change without notice.*
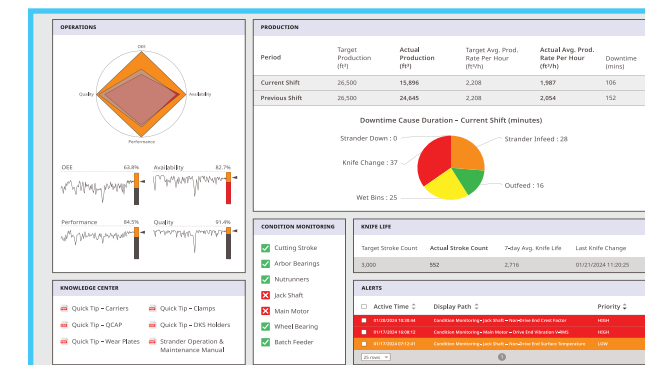
INDUSTRY LEADERS IN STRAND TECHNOLOGY

KADANT | Carmanah

HOW ARGUS SCT WORKS

Delivering the Metric for OEE at the Strander

ARGUS Smart-Connected Technologies (SCT) combines and analyzes data from our proprietary vision systems, an array of condition-monitoring sensors, and existing PLC tags, to provide Oriented Strand Board (OSB) producers with data-driven insights about how their strander is operating in real-time.

Live dashboards and reporting deliver accurate trending for Overall Equipment Effectiveness (OEE), with the ability to benchmark strander performance across multiple operators, shifts, lines, or mills.

Developed and Supported by the Global Leaders in Strand Technology

Kadant Carmanah are stranding process experts focused on the OSB market. We've learned by listening to our customers and being responsive to their needs, to help them improve the efficiency, consistency, and quality of their strand output.

To put it simply: you will not find another strand technology manufacturer to partner with, who can match our commitment, experience, and successes within the global OSB market.

System 1: ARGUS Log Fill Optimizer (LFO)

LFO is a vision system that scans the log fill level at the strander infeed, measuring the amount of wood the strander consumes in real-time. OSB mills can now modify their infeed for higher fill rates, increased throughput, and improved operational efficiency.
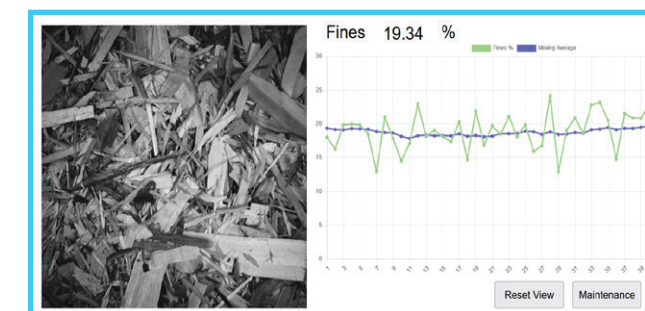
OEE METRIC UNLOCKED: **PERFORMANCE**

System 2: ARGUS Condition Monitoring & Intelligence (CMI)

CMI is a series of condition monitoring sensors that have been installed across all strander components and assemblies, to collect and analyze data-driven insight about how the strander is operating in real-time. OSB mills can now identify bottlenecks at the strander and detect equipment anomalies in real-time, and take immediate action to avoid unexpected downtime.

OEE METRIC UNLOCKED: **AVAILABILITY**

System 3: ARGUS Fines Measurement System (FMS)

FMS is a vision system that continuously scans the strander outfeed conveyor to provide real-time fines percentages for every cutting pass. By automating the strand sampling process in real-time, this removes the variability and bias associated with inconsistent and infrequent strand collection procedures currently done by hand. With access to a far greater number of accurate strand samples, OSB producers can now make more informed process improvement decisions in real-time.

OEE METRIC UNLOCKED: **QUALITY**

WHAT'S INCLUDED WITH EVERY ARGUS SCT SUBSCRIPTION

Secure Data Collection

- ✓ Combined in One Centralized Database
- ✓ Secure Transmission & Storage
- ✓ Built-in Data Encryption & Security

Condition Monitoring

- ✓ Define Thresholds
- ✓ Detect Anomalies in Real-Time
- ✓ Take Immediate Action

Service & Support

- ✓ In-Depth Consultation to Define Targets
- ✓ Remote Anomaly Detection
- ✓ Regular Check-ins & Reviews

Accurate Reporting

- ✓ Graphs & Reports are Personalized to Your Goals
- ✓ Easy-to-Understand with Visuals & Summaries
- ✓ Cloud-based for Access on Any Device

Improved Decision Making

Increase Visibility & Transparency

Maximize Maintenance Scheduling

Prevent Critical Failure

Strengthen Operator Skill Levels

Improve Targeting & Forecasting

Optimize Productivity & Efficiency

ARGUS *Get more insight. Make better decisions.*

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