MULTIPLI machine inc.

ProEYE®

INLINE PULP MONITORING
FOR REAL-TIME PROCESS VISIBILITY

Built for mills that need faster insight, better control, and more reliable process data.

A SMARTER WAY TO MONITOR FURNISH CONDITIONS

Why modern mills need more than periodic measurements.

Today's mills are not just asking for measurements. They are asking for visibility.

How quickly can we see process changes?

How reliable is the information day-to-day?

Can the system adapt as process conditions evolve?

ProEYE® Inline Pulp Monitoring Systems were designed around these questions.

Pulp and paper processes are not static. Furnish variables change. Fiber blends shift. Ash levels move. Process upsets develop fast and can travel through stock prep, refining, approach flow, and the paper machine before a delayed sample ever shows the full picture.

Process Engineers need real-time insight they can trust when conditions change. Reliability and maintenance teams need monitoring systems that stay stable, support calibration, and make troubleshooting easier. ProEYE helps both teams respond faster by giving the mill continuous inline visibility into critical stock conditions as they happen.

WHAT MILLS FACE

- Sampling delays that mask real process change
- Gaps between measurement points and actual conditions
- Delayed interpretation before action can happen
- Instruments that add maintenance burden

HOW ProEYE RESPONDS

- Continuous inline visibility at the process point
- Stable measurements from one platform family
- Real-time readings that support faster decisions
- Remote-enabled diagnostics and support

All ProEYE systems share a common platform and software environment.

FROM ANALYSIS TO MONITORING

Delay is where variability, cost, and lost opportunity live.

Modern mills need more than periodic results. They need continuous visibility into changing stock conditions.

Traditional systems were built to capture snapshots. ProEYE® was built as a monitoring platform that provides continuous inline visibility at the process point.

That difference gives Process Engineers faster insight for better process decisions and gives reliability and maintenance teams a more stable, supportable platform for day-to-day operation.

Instead of waiting on delayed results, mills can see changing stock conditions as they happen and respond with greater speed, confidence, and control.

ProEYE Approach vs. Traditional

ProEYE Approach

- Continuous inline monitoring
- System-focused
- Immediate process visibility
- Adaptable monitoring platform

Traditional Approach

- Periodic sampling and analysis
- Instrument-focused
- Manual interpretation
- Static functionality

A DIFFERENT APPROACH TO PROCESS VISIBILITY

Built as a monitoring platform, not a traditional instrument

Traditional systems were built to take readings. ProEYE was built to give continuous visibility into the process.

That difference changes how the system is used in the mill and how it fits into daily operations.

ProEYE combines continuous visibility, remote diagnostics, adaptable monitoring, and a common software platform across the product line.

For Process Engineers, that means a clearer, more immediate view of changing stock conditions. For reliability and maintenance teams, it means a system that is easier to support, better aligned with plant needs and more adaptable as process demands change.

The result is not just a different reading method. It is a different way to deploy, support, and use process visibility in modern pulp and paper operations.

ProEYE Approach vs. Traditional

ProEYE Monitoring Platform	Traditional Systems
Continuous inline visibility	Periodic or indirect measurement
Software-driven platform	Hardware-defined functionality
Remote-enabled diagnostics and support	Site-dependent service and calibration
Adaptable as process needs evolve	Fixed capability over time
Immediate process insight	Data interpretation required

WHAT THE PROEYE DELIVERS

One product family. Multiple monitoring options.

ProEYE® replaces intermittent measurement with continuous process visibility, giving mills a clearer view of pulp and furnish behavior as conditions change. Using a multi-light optical approach, ProEYE interprets how the fiber stream responds in real time—delivering stable, repeatable insight even as conditions change.

Across the product line, mills can choose the configuration that best matches the control objective, process severity, and level of measurement detail required. Depending on the model and calibration, ProEYE supports visibility into key process conditions such as consistency, ash, freeness, brightness, kappa, retention, and other pulp or furnish variables.

Unlike traditional systems that rely on periodic sampling or fixed measurement models, ProEYE continuously monitors changing process conditions as they happen. The result is a clearer, more immediate view of stock behavior and a more stable platform for ongoing monitoring, calibration, and support.

Designed for modern pulp and paper operations, the ProEYE line supports improved process stability, faster response to variation, and greater confidence across chemical, mechanical, and recycled fiber systems. Each system combines a direct-insertion optical probe with a Remote Display Unit, creating a complete inline monitoring platform ready for integration with mill control systems.

Available Configurations	• ProEYE 100 - multi-variable monitoring for advanced process visibility • ProEYE CSX - consistency monitoring for demanding process conditions • ProEYE CS - consistency monitoring for stable process conditions
Typical Monitoring Variables	Consistency • Freeness • Ash • Brightness • Kappa • Retention and other pulp or furnish variables depending on model and calibration
Typical Monitoring Variables	Virgin fiber systems • Recycled furnish lines • Stock preparation • Refining • Blend chest • Approach flow • Retention optimization

Construction 316L Stainless Steel or Titanium Wetted Parts	**Optical Interface** Sapphire Bonded Lens	**Integration** RDU, PLC/DCS Connectivity, Analog and Digital I/O	**Installation** Direct-insertion Probe with Flexible RDU Placement

WHY PROEYE MATTERS IN THE PLANT

Built around the needs of process, reliability, and maintenance teams.

For Process Engineers

- Immediate visibility into process changes
- Faster response to furnish and stock variation
- Reduce dependence on delayed laboratory data
- Improved confidence in process adjustments

For Reliability and Maintenance

- Stable and repeatable monitoring performance
- Simplified calibration workflows
- Modern electronics and communications
- Remote diagnostics and support capability

ProEYE helps mills reduce blind spots, respond faster to process drift, and support better decisions with live process data instead of delayed feedback. It also gives maintenance teams a rugged platform that is easier to support in real mill conditions.

Reduce Unplanned Downtime	Improve Process Control	Lower Wasted Fiber, Energy, and Chemicals

BUILT FOR REAL MILL ENVIRONMENTS

Integration, diagnostics, and real mill support

Each ProEYE system combines a direct-insertion optical probe with a Remote Display Unit to create a complete inline monitoring platform. Teams can view trends, work through diagnostics, and support recalibration from one interface while feeding usable data to the mill control system.

User Interface & Control	Menu-driven programming with a touchscreen display supports calibration, trending, and diagnostics from one interface.
Remote Diagnostics	Remote access capability supports troubleshooting, system review, and service coordination without unnecessary delay.
Mill Integration & Control	The design supports mill integration so teams can trend data, build confidence in control actions, and react sooner.
Process Toughness	The system is engineered for heat, vibration, chemical exposure, and real-world mill conditions common in pulp service.

Core Platform Direct Insertion Probe Remote Display Unit	Common Outputs Built for Mill Control Integration and Trending	Service Focus Designed for Dependable Operation in Pulp Applications
Materials 316L Stainless Steel, Titanium, Sapphire	Support Tools Diagnostics, Calibration Support	Plant Value Faster Visibility, Tighter Control, Stronger Reliability

WHERE MILLS USE PROEYE

Monitoring points that influence quality, efficiency, and stability.

The best measurement point depends on the furnish, the control objective, and the operating challenge you want to solve. ProEYE fits applications where mills need earlier warning, stronger control, and better visibility into what the process is doing before variation reaches the machine.

Stock preparation and refining Track stock condition before it affects downstream stability. Support refining adjustments with earlier process feedback.	Blend chest and approach flow Monitor furnish variability before the machine sees it. Improve blend consistency and help protect sheet quality.
Virgin and recycled fiber systems Apply the same platform across chemical, mechanical, and recycled fiber processes. Support better control where furnish variability is common.	Retention optimization and fines control Pair measurement with ash and control objectives where visibility matters most. Support stronger optimization with fewer blind spots.

Use ProEYE where earlier visibility leads to better control, faster troubleshooting, and fewer surprises.

SEE WHAT CONTINUOUS MONITORING LOOKS LIKE IN YOUR PROCESS

ProEYE helps mills improve process visibility, respond faster to variation, and support more reliable operation.

Contact Multipli Machine Inc. to review your application, discuss measurement goals, and schedule a demonstration.

Ideal for teams that need to:

- See process shifts before they become machine or quality problems
- Improve control around consistency, freeness, ash, brightness, or retention
- Reduce troubleshooting time and avoid preventable downtime
- Deploy a rugged inline platform built for pulp service

ProEYE does more than deliver another instrument reading. It gives your plant a clearer view of process behavior so your team can act sooner and operate with more confidence.

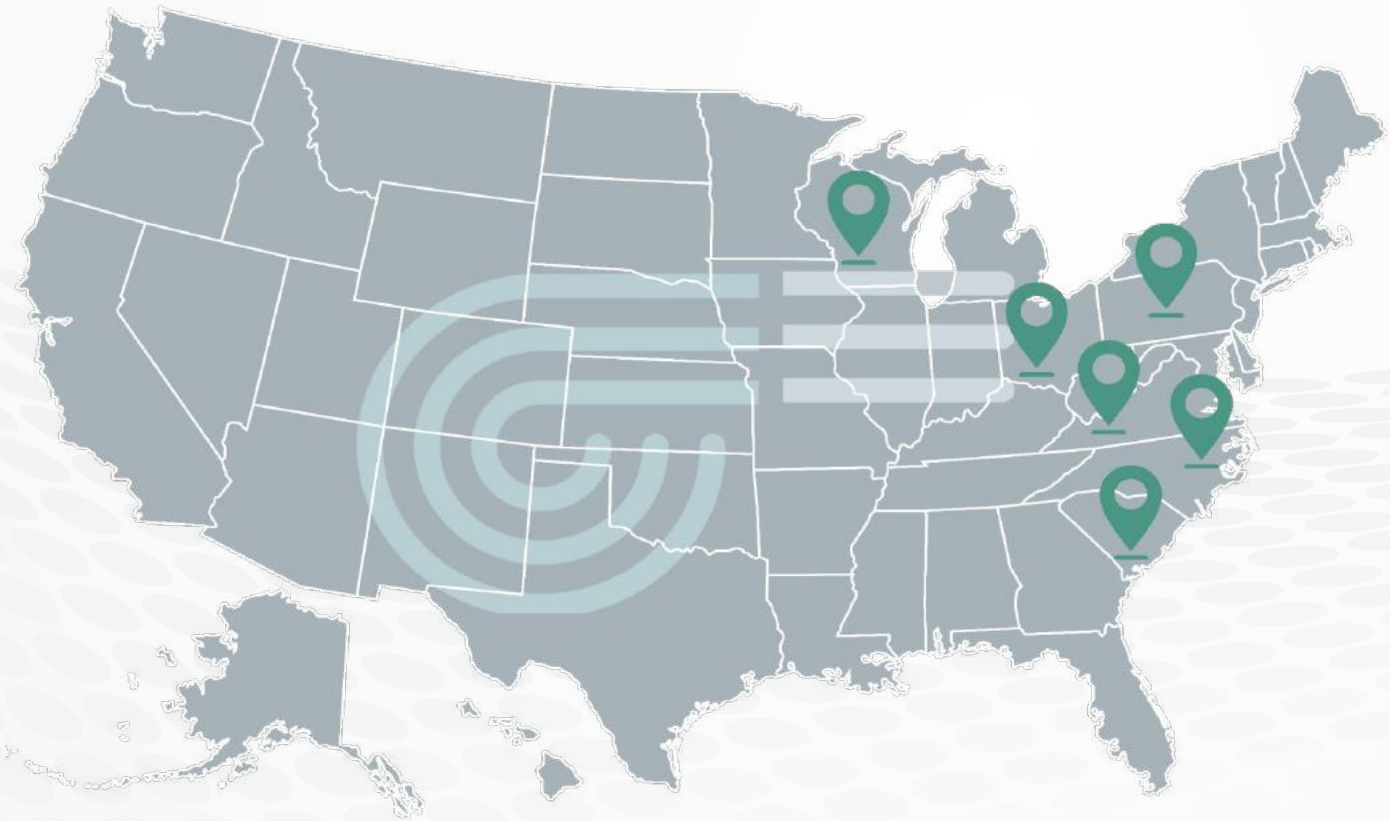
Engineered Solutions	Mill-Focused Support	Real-Time Insight

ABOUT MULTIPLI MACHINE INC.

Engineered solutions backed by mill-focused support

Multipli Machine Inc. serves the pulp and paper industry as both a manufacturer and a source for pulp and paper equipment, delivering engineered products, proprietary technologies, and practical field support that help mills improve performance.

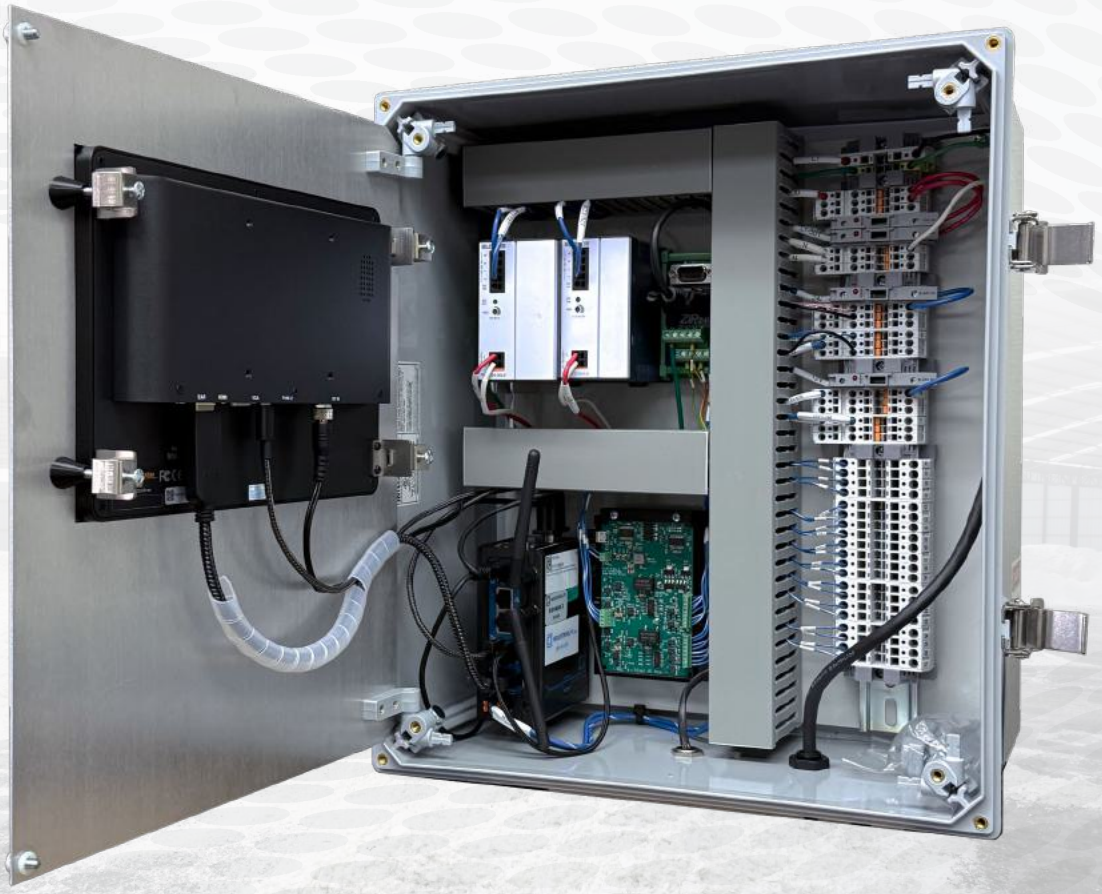
The company focuses on helping mills increase efficiency, reduce downtime, control costs, and operate with greater confidence. For 47 years, Multipli has built long-term relationships by combining manufacturing expertise, equipment knowledge, hands-on support, and engineering insight.



TELL US YOUR GOALS. WE WILL HANDLE THE REST.

Process Engineers and maintenance teams need more than hardware. They need a partner who understands mill operations and can help match technology to the application.

Multipli supports mills with engineered solutions, practical field knowledge, and responsive support from concept through installation and beyond.



WHY CHOOSE MULTIPLI

Continuous support
Industrial turnkey solutions
Seamless servicing
Technical expertise and guidance for your team

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ProEYE®