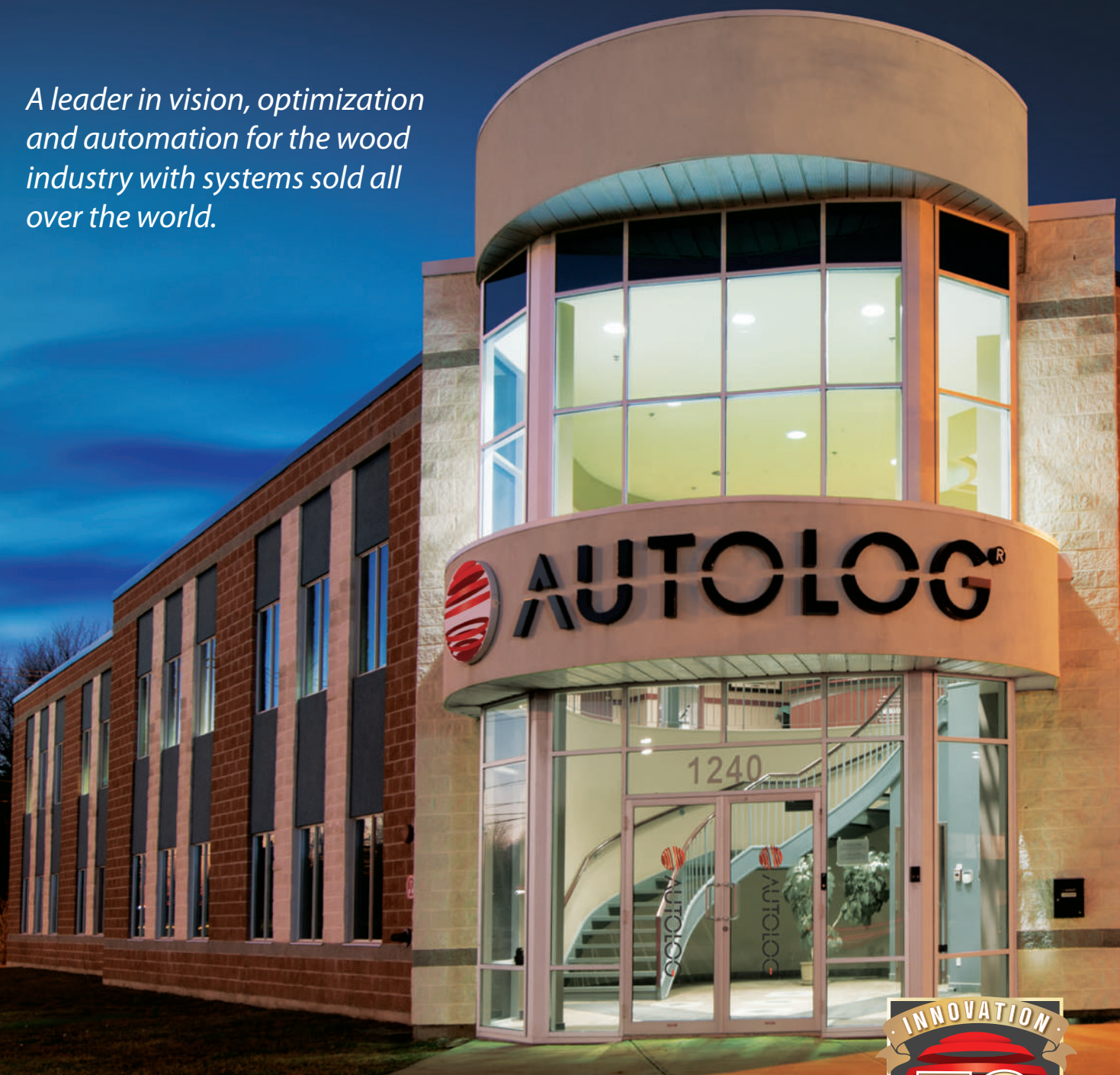


AUTOLOG®

*A leader in vision, optimization
and automation for the wood
industry with systems sold all
over the world.*



VALUE THROUGH TECHNOLOGY, QUALITY & CUSTOMER EXPERIENCE



From sawmill to planer mill (softwood and hardwood), Autolog offers a wide range of products and solutions, including customized control systems.

Log Scanner



3D Log Scanners



Carriage Optimizer



Control Systems



SAWMILL OPTIMIZATION

Primary Breakdown Log Optimizers

- Linear scanners: 1 or 2 axis light curtain, 3D True Shape or snapshot type
- Autolog uses standard off-the-shelf sensors for all log scanners (Hermery®, ScanMeg®, etc.)
- All sensors are housed in a rugged frame for the harsh sawmill environment
- All systems offer best-in-class scanner technology and share the same operating philosophy
- Scan density of 1/2" at 650 ft/min
- For all types of equipment: log turner, log sorter, chipper canter, twin, quad, etc.
- Optimization according to any curve sawing machine at the secondary breakdown

Carriage Optimizer (Softwood & Hardwood)

- Full profile scanner with multiple laser lines spaced at 6" for an accurate reading of 0.025" every 1" along the length of the log
- Snapshot or continuous scan, up to 120 scans per second
- True Shape modelling

Secondary Breakdown / Linear Edger Optimizers

3D True Shape Scanner (Linear or Transverse)

- Linear scanner: up to 1,250 scans per second
- Transverse scanner:
 - 1/4" high scan density at 3,000 scans/second
 - Best scan profile with 22° sensor orientation for highest width resolution
- Configurable for all types of bull/gang edgers on the market
- Supports curve sawing systems



Edger Optimizer



Trimmer Optimizer



Control Systems



Transverse Edger & Trimmer Optimizers

- Best scan profile with 45° sensor orientation for highest width resolution
- Sensors mounted outside of falling debris and dust path, no air line required for cleaning
- Multiple configurations available: two saws, three saws and more, top head, etc.
- Wane, skip, warp, bevel and side holes detection
- Classification of the reverse face for the appearance lumber
- Possibility to configure two sets of parameters per grade (high and low qualities)
- Advanced tools for solution analysis
- Splits and shakes and unsound wood detection (option for Trimmer Optimizer with 3D sensors)
- Custom application in hardwood at the edger: laser lines display the solution to a human grader who can override it and force a new solution based on the visual defects present on the piece

Tally System (Softwood & Hardwood)

- Hardwood: automated measuring and sorting system with user interface and grade marks reader; redundancy auto backup available

Lumber Sorter/Stacker Controls (Softwood & Hardwood)

- Measuring sensors consist of standard off-the-shelf photocells, thickness sensors, encoders or transverse optimizers
- Autolog uses best-in-class Allen-Bradley® ControlLogix® PLC units for all its control applications
- Control system allows running a sorter line up to 200 pieces per minute



PLANER MILL OPTIMIZATION

Linear Planer Optimizer – ProGrader

- Compact, reliable and fast (3,000 feet per minute)
- Sensors include 3D, 2D and two mode tracheid units, all housed in a common module
- System includes: main unit, UV code printer/reader, Linear Tracking System (LTS), Dynamic Grading Zone, Grade Stamp Printer
- Aggressive return on investment (payback in less than a year)

Linear Tracking System (LTS)

- Control module that provides detailed and precise data on the tracking and synchronization of pieces according to their position, the space between them and the production line speed
- Tracks and monitors moisture meter and MSR data (if available)

Dynamic Grading Zone

- QC tool that displays the optimizer solution and allows for it to be modified
- Ink or spray paint system not required
- Operates on chains without lugs

Grade Stamp Printer – ProGSP

(Softwood & Hardwood)

- Offers high print quality, durability, reliability, and the lowest cost of ownership
- *inc.jet* printer components covered by a hassle-free lifetime warranty (serviced through Autolog)
- Robust industrial design (easy and quick installation, shipped pre-assembled)
- Quality control camera/vision systems to monitor grade stamps & barcodes

OTHER SYSTEMS

Gap Management System

- Solution to maintain a constant gap between logs and eliminate log crossings

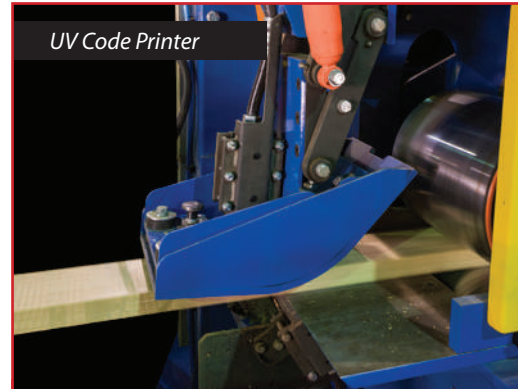
Recirculation Reduction System

- Supports the elimination of pieces that circulate in the sawmill between the trimmer and the edger

Bow Detection System

- Measures the extreme bow of a board with better accuracy

UV Code Printer



Grade Stamp Printer - ProGSP



Linear Tracking System (LTS)





AVAILABLE JANUARY 2019

GEN³

LOG OPTIMIZER



INTRODUCING THE NEXT GENERATION IN LOG OPTIMIZATION

Here are just a few examples of what our GEN³ Log Optimizer solution can offer:

- Scan density of ½" at 650 ft/min
- For all types of optimized primary log breakdowns: log turner, log sorters, chipper canter, twin, quad, etc.
- Can replicate any curve sawing from a downstream machine
- Offers an easy comparison tool to analyze multiple simulation results
- Live simulation: compare side to side solutions from live production logs optimized with different parameters

STAY TUNED FOR OUR GEN³ GANG OPTIMIZER!



Autolog is continuously investing in the development of new and innovative technologies and in building long-lasting partnerships with customers through customized products, services and training.

Quality, Technology and Customer Experience.

Each of these key elements precisely define who we are and how we conduct business.

QUALITY

Quality transpires in everything we do. From the way we wire our cabinets to the components chosen for our systems, all the way to our management methods, production and service. Indeed, quality is found in our people, processes and products.

TECHNOLOGY

We are a technology driven company. We deal in the expertise of optimization, artificial vision, artificial intelligence and optical & wave physics.

CUSTOMER EXPERIENCE

Our partnership approach and active listening allow us to adapt our standard and tested solutions to our customers' specific needs.

From initial contact to our unparalleled after-sale service and support, we approach every project with a desire to understand our customers' needs first and foremost, and to deliver accordingly.

All of our quality and technology elements are focused on providing the customer with the most value for their Autolog investment. Our strategy is to optimize Total Cost of Ownership (TCO) and Return on Investment (ROI).

WHAT MAKES US DIFFERENT?

Autolog is a technology driven company. We can choose to make all of our specialized software/hardware or adapt our solutions to those of a variety of suppliers and layouts, quickly and easily. We are extremely flexible and capable of working with many original equipment manufacturers. We do so in order to respond to the specific needs of our customers and to meet the growing demands of our industry.

VALUE THROUGH TECHNOLOGY, QUALITY & CUSTOMER EXPERIENCE

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