MiCROTEC

Goldeneye

Most trusted multi-sensor quality scanner for softwood

Customer benefits

- Significant increase in lumber utilization thanks to precise feature recognition powered by MiCROTEC Ai
- Improved value yield and quick return on investment
- Best-in-class optimization in less than 0.8s
- Smart housing design for low maintenance and long-term life
- Grading monitoring & improvement (QC Assist)

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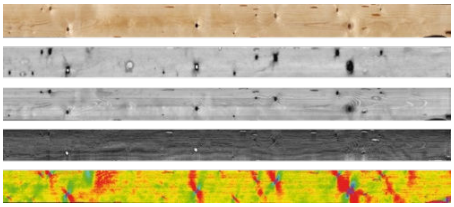
The Goldeneye multi-sensor quality scanner family allows you to recognize wood features and defects reliably and accurately to automate, streamline and optimize your production. Combining lasers, cameras, X-ray technology, and Artificial Intelligence increases yield and achieves the most accurate scanning results assuring high and constant quality.

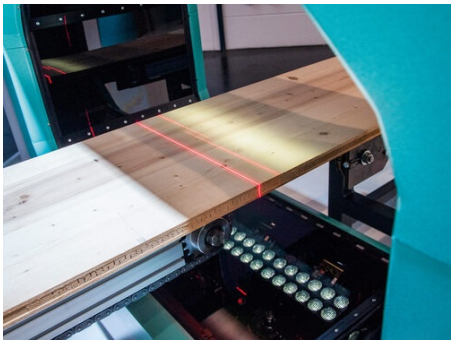
Award winning design

MiCROTEC has been proclaimed as one of the winners of the iF DESIGN AWARD 2022 for the Industry Sector. Their design represents a concentration of sophisticated high technology that allows the quick collection of thousands of images of the scanned boards. The shape of the Goldeneye and Woodeye scanners represents iconographically a big electronic eye.

Pure Precision

Goldeneye multi-sensor quality scanner combines scattering laser, 3D laser, color, and X-ray to assure the highest precision grading and classification.





Powered by MiCROTEC Ai

Artificial Intelligence (Deep Learning AI) is integrated into all quality scanners from log to finished board. The AI knowledge of all MiCROTEC companies is merged into the MiCROTEC Ai platform, raising the possibilities of Deep Learning AI in the wood industry to a completely new level.

Pure Quality

Goldeneye determines the overall quality of the boards on all four sides in green, dry, and planer mills as well as in secondary processing, and provides best-in-class optimization in less than 0.8s. One optimizer allows you to grade your lumber at all different stages of your production.

MiCROTEC

Species

- ✓ Softwood

Feeding

- ✓ Lineal

Purpose of scanning

- ✓ Dimensional
- ✓ Quality
- ✓ Strength grading

Technology

- ✓ 3D Laser
- ✓ Scattering Laser
- ✓ Color
- ✓ X-ray
- ✓ MiCROTEC Ai

Technical Data

- ✓ Speed up to 1200 m/min (3937FPM)
- ✓ Width up to 350 mm (13.7")
- ✓ Thickness up to 180 mm (7.09")

Application

- ✓ Sorting
- ✓ Trimming
- ✓ Cross-cutting

Feature

- ✓ Re-rip optimization
- ✓ NGR optimization
- ✓ Molding optimization
- ✓ Annual rings optimization
- ✓ MiCROTEC Connect

Certification

- ✓ EN 14081
- ✓ ALS
- ✓ MSR
- ✓ AS/NZS1748

Option

- ✓ Simulation suite
- ✓ Synchronization suite
- ✓ Moisture profile
- ✓ Warp profile
- ✓ Pith Position
- ✓ Annual ring orientation
- ✓ MOE
- ✓ MOR

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Goldeneye Models

Goldeneye 301

- ✓ Laser
- ✓ Color
- ✗ X-Ray
- ✓ Speed up to 150m/min (492FPM)
- ✓ Sorting, Cross-cutting

Goldeneye 302

- ✓ Laser
- ✓ Color
- ✓ X-Ray
- ✓ Speed up to 150m/min (492FPM)
- ✓ Sorting, Cross-Cutting

Goldeneye 501

- ✓ Laser
- ✓ Colour
- ✗ X-Ray
- ✓ Speed up to 300m/min (984FPM)
- ✓ Sorting, Cross-Cutting

Goldeneye 502

- ✓ Laser
- ✓ Color
- ✓ X-Ray
- ✓ Speed up to 300m/min (984FPM)
- ✓ Sorting, Cross-Cutting

Goldeneye 702

- ✓ Certified for Strength Grading
- ✗ Combination with Viscan
- ✓ Laser
- ✓ Color
- ✓ X-Ray
- ✓ Speed up to 450m/min (1476FPM)

Goldeneye 706

- ✓ Certified for Strength Grading
- ✓ Combination with Viscan
- ✓ Laser
- ✓ Color
- ✓ X-Ray
- ✓ Speed up to 450m/min (1476FPM)

Goldeneye 801

- ✓ Laser
- ✓ Color
- ✗ X-Ray
- Speed up to 1200m/min (3937FPM) (EN14081 currently speed up to 850 m/min) (2788FPM)

Goldeneye 802

- ✓ Certified for Strength Grading
- ✗ Combination with Viscan
- ✓ Laser
- ✓ Color
- ✓ X-Ray
- Speed up to 1200m/min (3937FPM) (EN14081 currently speed up to 850 m/min) (2788FPM)

Goldeneye 806

- ✓ Certified for Strength Grading
- ✓ Combination with Viscan
- ✓ Laser
- ✓ Color
- ✓ X-Ray
- ✓ Speed up to 1200m/min (3937FPM)

MiCROTEC

World leading wood scanning solutions

MiCROTEC
Via Julius-Durst Straße 98
39042 Bressanone / Brixen
Italy

T +39 0472 273 611
info@microtec.eu
https://microtec.eu