Goldeneye 900
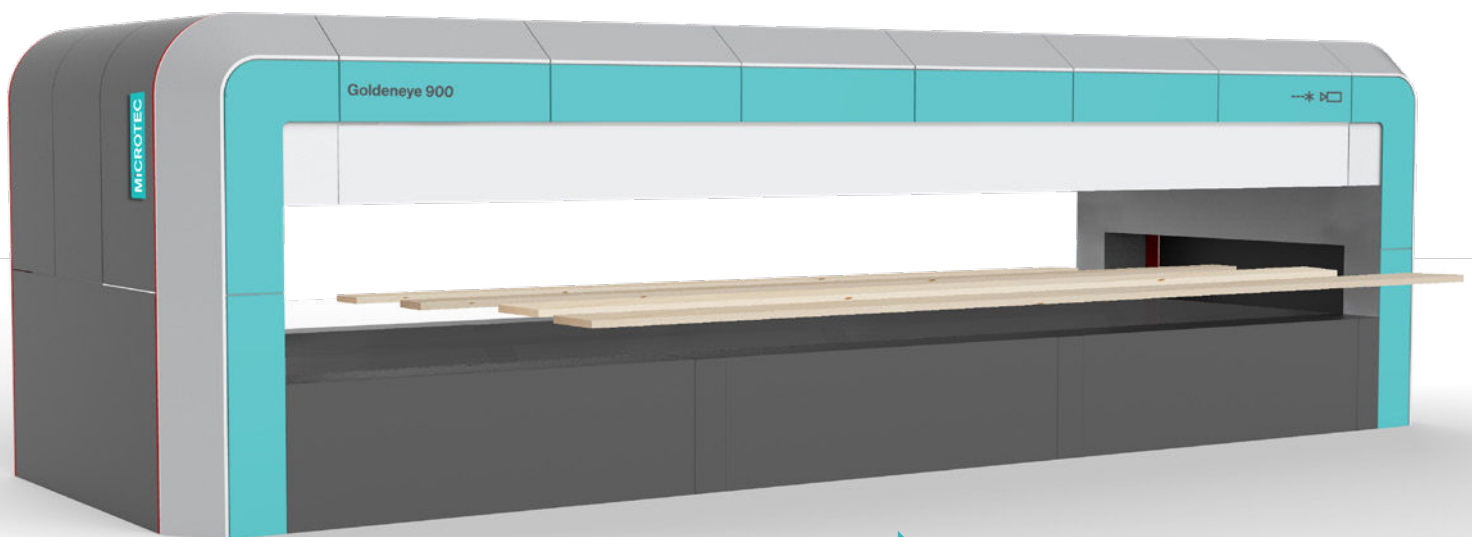
Transverse Quality Scanner for rip, trim, grading & sorting solutions

Goldeneye 900

× The No.1 transverse scanner
× Four sided scanning in one pass
× Modular design
× Scans planed & rough lumber
× For green, dry & planer mills

Next generation transverse lumber scanning

The world's No.1 Multi-Sensor Quality Scanner in transverse transport, the Goldeneye 900, is a showcase of the innovative technological capabilities of Microtec.

Goldeneye 900 determines the overall quality of green, dry or planed lumber in one pass from all four sides.

Value optimization before and after kiln drying is possible as the Goldeneye 900 grades both rough and planed lumber.

The scanner detects and localizes all types of knots as well as cracks, discoloration, pitch pockets, wanes, curvature, and other dimensional defects. This allows customers to automate, streamline and optimize all further production steps.

Production Applications

Sawmill
× Rip/Edger
× Sorting
× Trimming

Planermill
× Sorting/Cross-cutting
× Trimming
× Structural
× Glulam/CLT
× NGR

Goldeneye 900 Multi-Sensor Transverse Quality Scanner reliably identifies wood defects, grading both planed as well as rough lumber as four-sided or two-sided scanner.

Goldeneye 900 Multi-Sensor Transverse Quality Scanner features
× Transverse transport
× One scan solution from all 4 sides
× Simple installation, no elevation changes
× Scans planed and rough lumber
× Grades lumber based on individual quality parameters
× Accurately recognizes, localizes and sizes knots and other defects such as cracks, pitch pockets, and discoloration
× Modular design, depending on the board length
× Implements customer specific grading, trimming and sorting rules
× Comprehensive and easy to use user interface
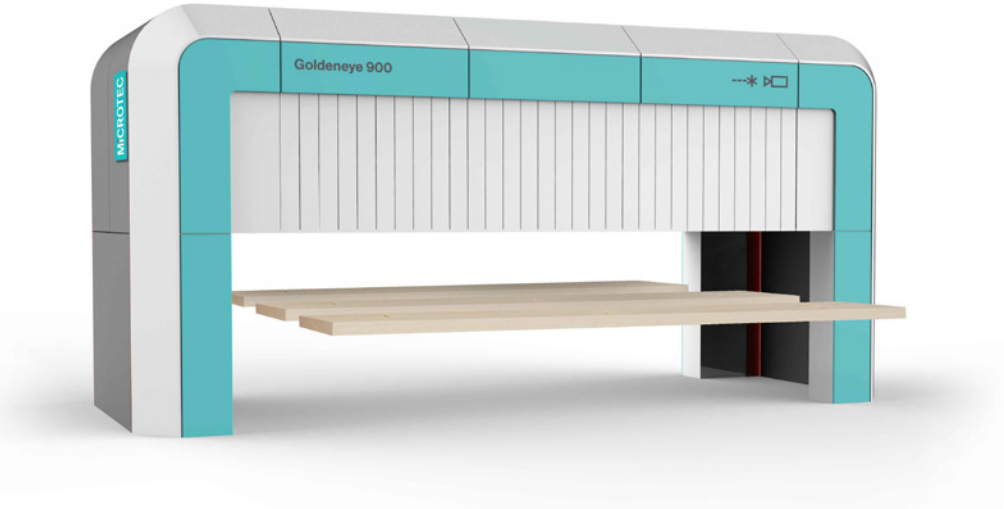
Full quality grading
Goldeneye 900 provides accurate 3D defect reconstruction as well as precision and reliability in determining the surface quality of green and dry boards in transverse feeding. The seamless integration of color and laser scanners into one multi-sensor system delivers a gapless view of the surface of lumber. The compact, single pass design ensures a fast and straightforward installation. Since the boards do not need to be turned, the scanner only requires a single scan frame width.
As no elevation changes are required, the scanner can be placed in an existing grading station or transverse chain section with minimal modification. The optimization software enables individual management of real and virtual optimization parameters for peak recovery. The evaluation of the scanned information is done using Microtec's powerful image processing and optimization algorithms to maximize recovery of downstream production processes.

Goldeneye 900 features Multi-Sensor cameras and sensors for laser scattering, laser 3D triangulation, color analysis.

Goldeneye 900	901	906
Dimension (3D laser triangulation)	✓	✓
Grain deviation (laser scatter)	✓	✓
Color	✓	✓
Resonance frequency (laser interferometer Viscan)		✓
Board cross-section	up to 130 x 900 mm (5 x 26 in), depending on lug space	
Conveyor speed	up to 200 lugs/min	

MiCROTEC

Goldeneye 900

World leading wood scanning solutions

Microtec Srl GmbH
Julius-Durst, 98
39042 Bressanone / Brixen
Italy

T + 39 0472 273 611
info@microtec.eu
microtec.eu

FSC
www.fsc.org
MIX
Paper from
responsible
sources
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