Goldeneye 600

Multi-Sensor Quality Scanner for rip optimization or defect repair

Goldeneye 600

MICROTEC
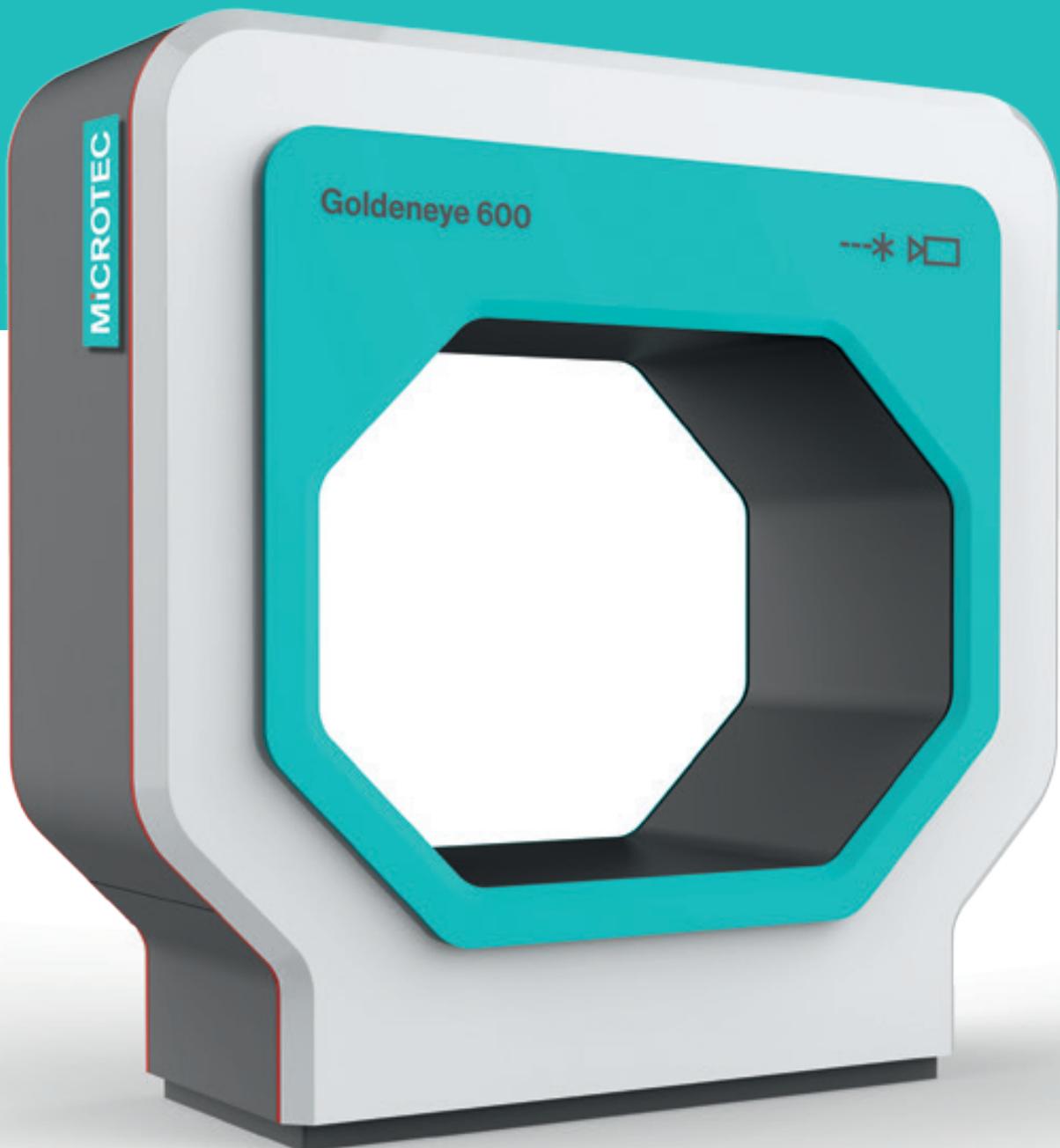
Repair panel defects
Optimize ripping

Goldeneye 600 Multi-Sensor
Quality Scanner scans large boards
and panels up to 1.8 meters wide.
Geometric, visual as well as X-ray
Multi-Sensor cameras and sensors
determine the true value of lumber,
including their inner properties.
The scanner detects and localizes
all types of knots, as well as cracks,
discoloration, pitch pockets, bark,
pith, wane, distortion and other
dimensional defects. Goldeneye 600
offers two optimization solutions:
Rip optimization for green
or dry lumber and defect grading
and repair optimization for wood
panels.

«Goldeneye 600 Multi-Sensor
Quality Scanner ensures optimized
ripping of wide boards in the saw
mill or in the dry mill and features
optimized wood panel defect
repairing in planer mills. Both
solutions implement customer
specific grading parameters
and optimize for overall highest
value of the final products.»

Dott. Ing. Federico Giudiceandrea
Microtec CEO

Goldeneye 600 panel scanner 1800 mm (70 in) wide

Rip Optimization for saw mill

Goldeneye 600 Rip Optimization Multi-Sensor
Quality Scanner can be used for ripping of green or
dry lumber. The optimization software rotates each
wide board by a given angle and rotation center
to evaluate the best positioning of the board before
rip sawing. The scanner virtually saws the
wide board into new smaller boards and optimizes
the new boards separately. This feature allows
comparison of the highest value single board
rip solution and the overall highest value multi-
board rip solution in order to optimize for the
highest overall quality and value.

Defect Repair Solution for wood panels

Goldeneye 600 Multi-Sensor Defect Repair Solution
provides the best system for grading and repairing
panels of different wood species and different levels
of finishing. For the first time size and position of
each defect can be determined precisely. Thanks
to a resolution of 0.18 mm over the panel width, a
0.5 mm over the panel length, 0.3 mm for the depth
of dimensional defect and a grain map with a 3 mm
resolution, the position and the size of each defect
delivered by the Goldeneye 600 scanner is extremely
accurate. Due to the very accurate positioning, each
defect is routed and / or filled right where it needs
to be repaired, also providing significant savings on
putty consumption. Goldeneye 600 is compliant to
the APA rules.

Goldeneye 600 Multi-Sensor Quality Scanner features
× Color cameras, lasers and X-ray sensors
× Recognizes and localizes defects such as knots,
  cracks, discoloration, pitch pockets, bark, pith,
  wane and other dimensional defects
× Very low false positive detection
× Ergonomic and compact modular design,
  600 up to 1800 mm wide infeed
× Comprehensive & easy to use user-interface

Goldeneye 600 features	Goldeneye 601	Goldeneye 602
Dimension (3D laser triangulation)	D	D
Grain deviation (laser scatter)	S	S
Color	C	C
X-ray		✓
Cross-section	100×600 mm (4×24 in) up to 100×1800 mm (4×70 in)*	
Conveyor speed	up to 350 m/min	

* extendible in steps of 300 mm (12 in)

World leading
wood scanning
solutions

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