Logeye

Multi-Sensor Shape and Quality Scanner for log
grading at the log & merchandizing yard and saw infeed
for optimized log breakdown, bucking and sorting

Logeye 300

Logeye features
× **3D laser triangulation**
× **Color**
× **X-ray**
× **Multi-Sensor cameras and sensors**

Full log grading

Logeye 300 Multi-Sensor Quality Scanner enables log sorting according to diameter, length, curvature, taper and quality features as well as bucking and primary and secondary breakdown optimization, extracting the highest value for your plant. Rock-solid hardware, sharp optoelectronics and innovative technology give you the power to increase efficiency, maximize productivity and optimize your production-mix based upon your priorities and value parameters.
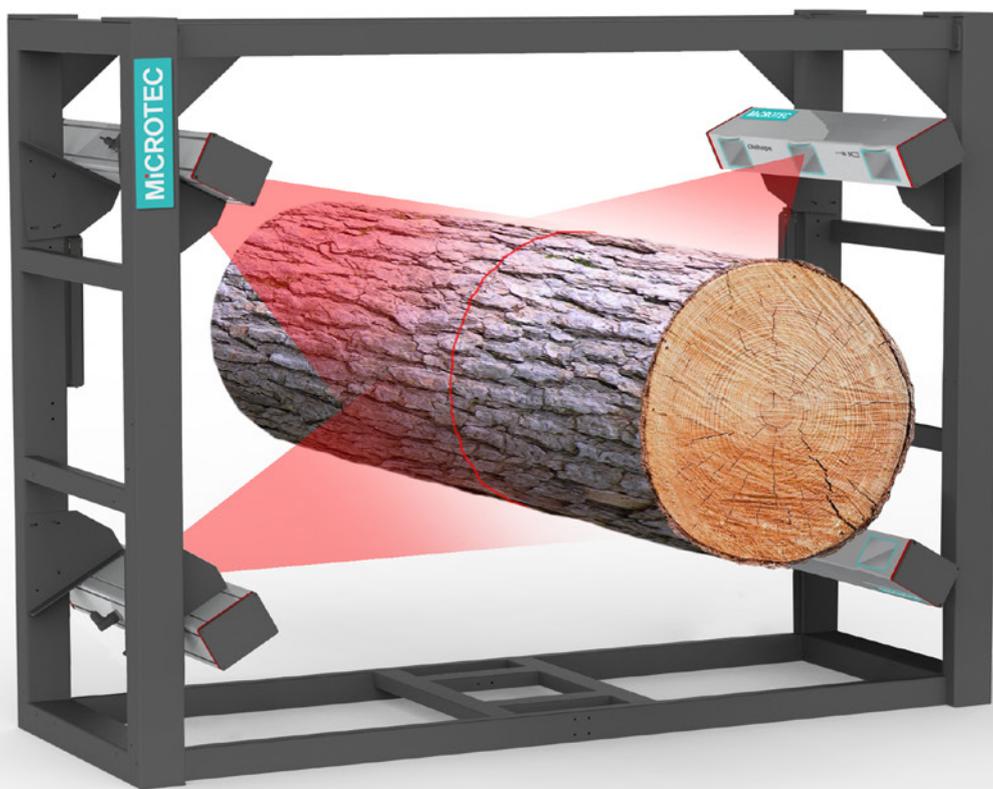
Breakdown, bucking and sorting

Logeye 300 Multi-Sensor Quality Scanner determines geometric, optical and structural qualities of a log and recognizes wood defects inside a log. This information is the basis for the powerful breakdown optimization software, Maxicut, that determines the cutting pattern with the highest quality yield. Interopt Bucking Optimization determines cross cutting based on the highest value cutting pattern solutions in various areas within the log. Winlog Sorting Optimization enables log sorting and control of the log and merchandizing yard.

Logeye 300 Stereo - Log movement compensation during 3D measurement

The system consists of digital stereoscopic cameras that track a log during the measurement. Logeye 300 Stereo ensures that log movements do not influence the measurement resulting in a more accurate 3D log contour including the inherent sweep.

Logeye 300 Multi-Sensor Quality Scanner features

- × Measures and grades logs for subsequent breakdown, bucking and sorting
- × Provides a true 360° panoramic photo image of the log
- × Accurately determines log density and volume over and under bark
- × Measuers knottyness and other log internal features
- × Increases throughput, productivity and resale of final products
- × Logeye 300 Stereo compensates log movement during measurement

Logeye 300 features	Logeye 301 D	Logeye 301 DC	Logeye 302	Logeye 306
Dimension (3D laser triangulation)	✓	✓	✓	✓
Color (360° Multi-Sensor camera)		✓	✓	✓
X-ray (up to 2 measuring levels)			✓	✓
Improved strength grading (laser interferometer)				✓
Resolution	< 1 mm (0.04 in)			
Image acquisition rate	up to 1000 frames per second			
Conveyor speed	up to 300 m / min (1000 ft / min)			

MiCROTEC

Logeye 300

24/7
MiCROTEC
SUPPORT

World leading wood scanning solutions

Microtec
Via Julius-Durst Straße 98
39042 Bressanone / Brixen, Italy
T + 39 0472 273 611
info@microtec.eu
microtec.eu

FSC
www.fsc.org
MIX
From responsible
sources
FSC® C103825