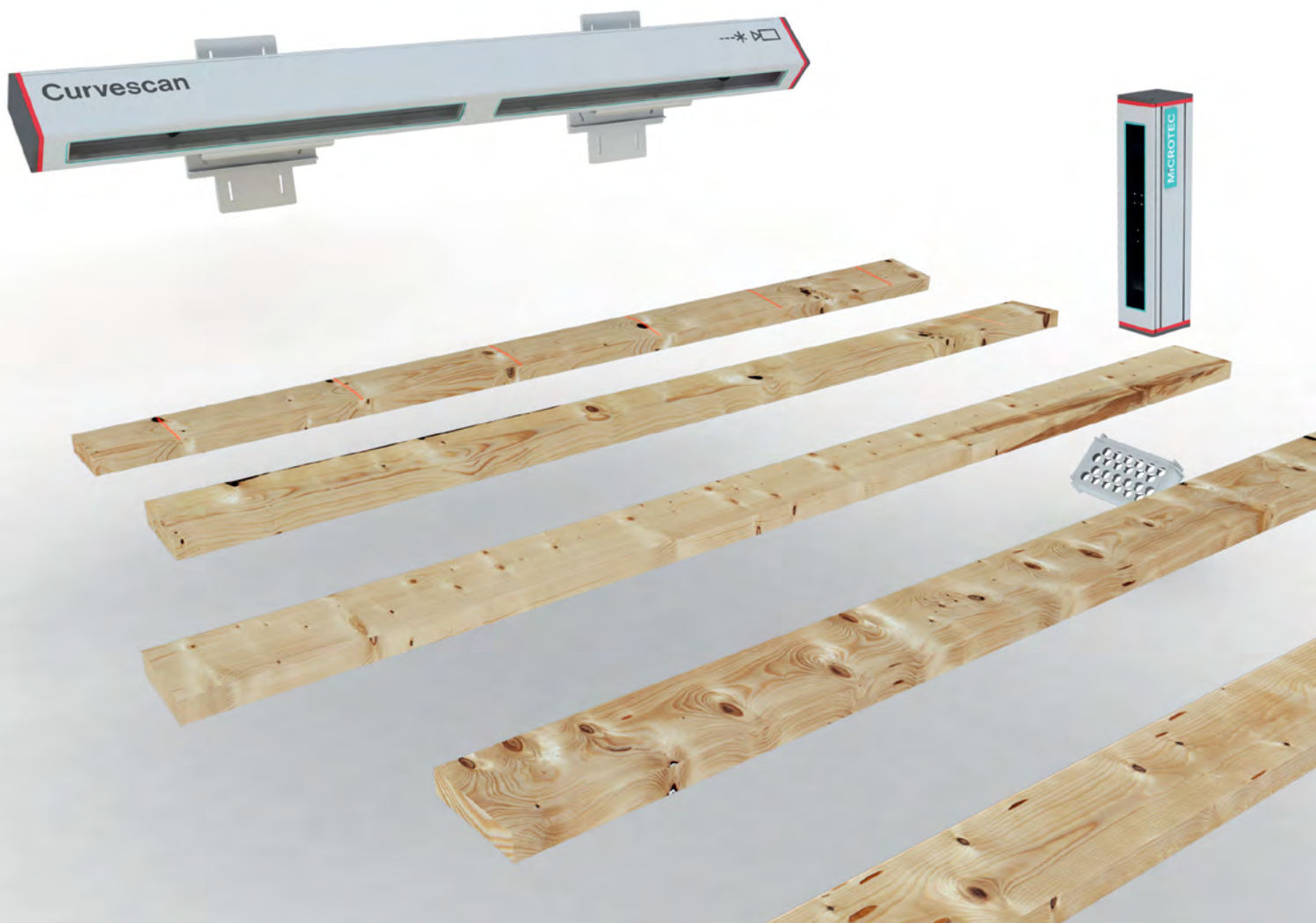# Curvescan

3D Board Shape Scanner
recognizes twist, bow, cup and spring
after breakdown or kiln drying

Optiside

High-precision lumber Front Side Scanner
detects the cup and pith-side location
for planer and glulam mills

Curvescan

Optiside

The Curvescan 3D Board Shape Scanner reliably recognizes distortion of lumber such as twist, bow, spring and cup in lineal or transverse transport direction.

Curvescan 3D Board Shape Scanner measures the geometry of lumber in movement, thanks to a sophisticated laser triangulation process. The measurement provides highly accurate results independently of transport direction, allowing even for irregular lumber movements during measurement. Thanks to this feature, Curvescan is is able to address a widespread issue in the global wood processing industry. Curvescan 3D Board Shape Scanner operates in high-speed production lines and returns consistent and reliable results.

Curvescan 3D Board Shape Scanner can be further combined with Goldeneye Multi-Sensor Quality Scanner to increase the quality optimization for grading, chopping and sorting.

«Curvescan 3D Board Shape Scanner is ideal for grading and separating defective lumber from warp-free products, especially for planer and glulam mills after the drying kiln. Our optimization evaluates distortion based on your specific quality requirements and optimizes chopping or trimming so that distortion defects are greatly diminished.»

Curvescan recognizes
× **twist**
× **bow**
× **cup**
× **spring / crook**
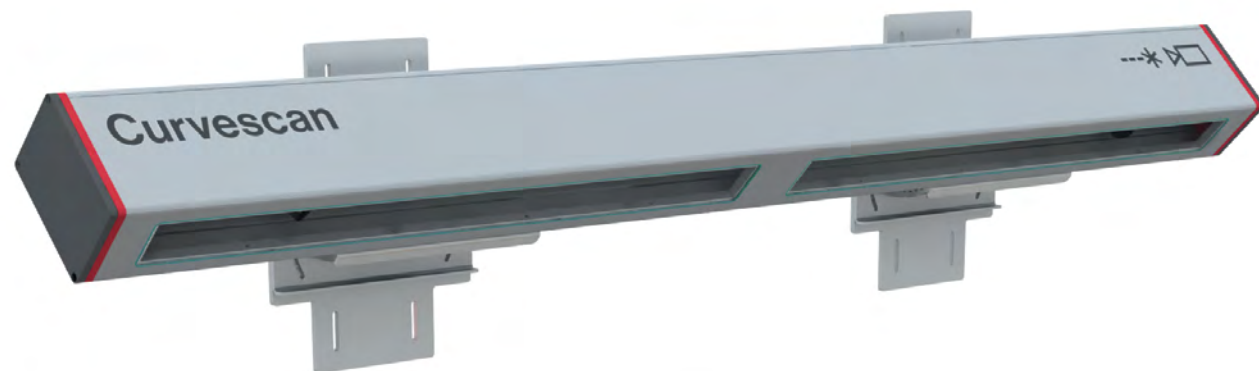
Optiside Front Side Scanner detects the cup on the end of the lumber piece in order to correctly orientate the boards. The scanner also measures the distance between annual rings and reliably identifies their orientation as well as the pith-side location.

Optiside high-precision Cup Scanner for lumber is a powerful yet simple combination of LED illumination and Microtec proprietary Multi-Sensor cameras. The goal is to automatically detect the orientation of annual rings and the location of the pith side. The system sends the evaluated information to a lumber turner. The correct positioning of the annual rings, required for gluing, is fully automated.

Optiside Cup Scanner also measures width and thickness, sorting out the lumber that does not satisfy the customer specific dimensional requirements.

«With Optiside Front Side Scanner the pith position displacement to the board center is clearly recognized. Planer and joinery mills ensure a correct positioning and orientation of their boards according to the orientation and distance of the annual rings.»

× Recognizes cup of lumber in transverse transport
× Identifies annual ring distance and pith-side location
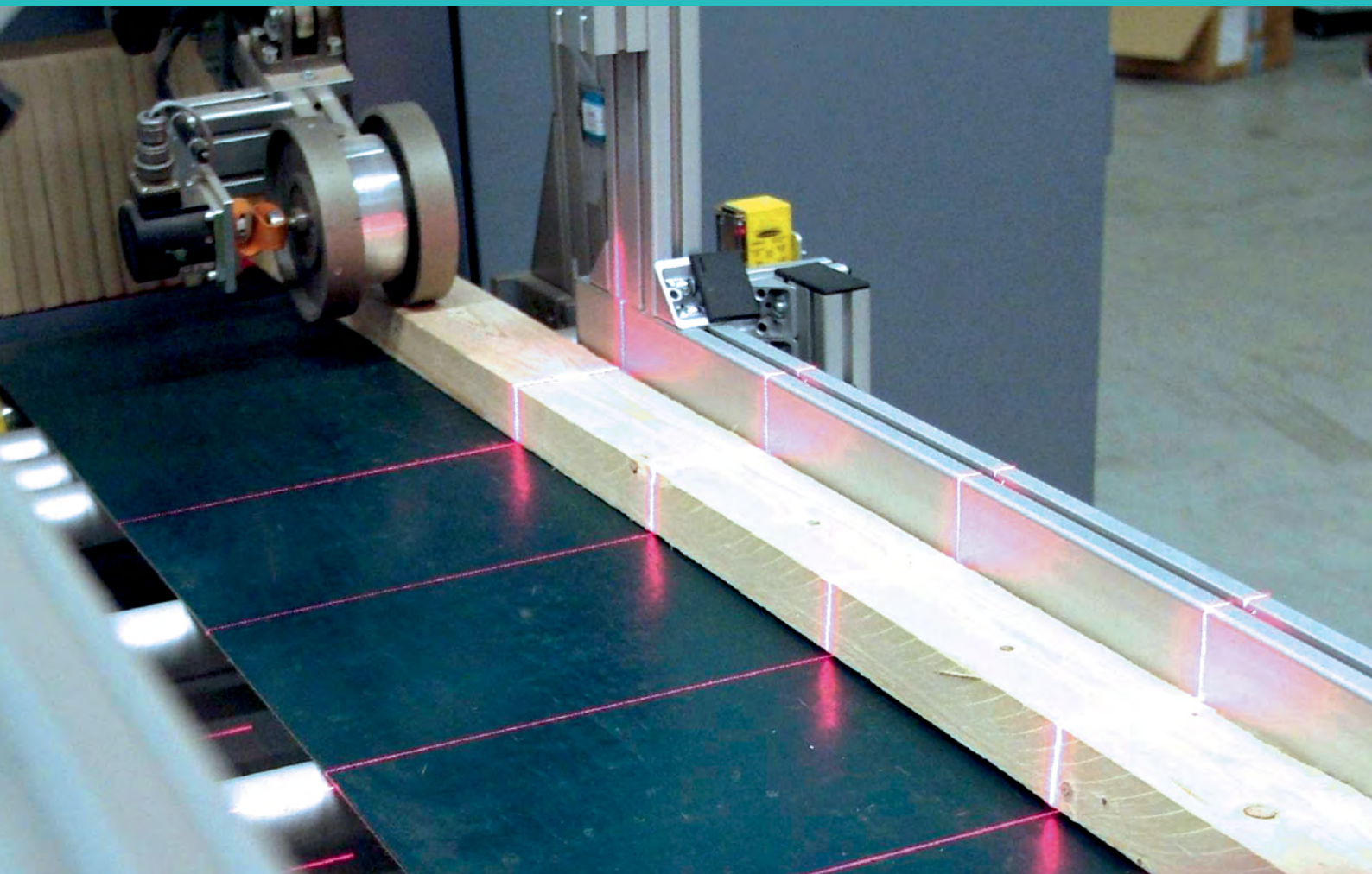
World leading wood scanning solutions

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