





## More than 30 years of innovation

We trace our origins back to a research project within image processing technology at Linköping University in Sweden in the 1970s. By supplying state-of-the-art scanning and optimizing systems, we increase profitability and competitiveness in the global wood industry and secure a sustainable use of the world's wood resources.



- |      |  |      |  |
|------|--|------|--|
| 1983 | Company start  | 2000 | First scanner in Asia                              |
| 1987 | First wood scanner delivered                           | 2003 | Scanner generation 4<br>WoodEye North America Inc. |
| 1991 | First scanner in North America                         | 2004 | WoodEye Scannersysteme GmbH                        |
| 1994 | Scanner generation 2                                   | 2011 | Scanner generation 5                               |
| 1997 | Scanner generation 3<br>First scanner in South America | 2017 | Scanner generation 6                               |

# You may see challenges

Esthetic deficiencies in wood are considered one of the hardest things to detect. Since 1983, we have spent thousands of hours on R&D to continuously be able to offer the best detection technology in the wood processing industry worldwide.



# We see possibilities

The WoodEye scanner inspect and measure all kinds of defects in wood. The scanner uses the data to calculate and optimize cutting and grading, focusing on maximizing the yield and the consistency in the quality of your products.



# Flawless Performance

With cameras and sensors from all four sides, the WoodEye scanner creates a complete image of the material and its qualities. The system makes decisions on cutting, grading and sorting in a matter of milliseconds, running up to 1200m wood per minute with unprecedented accuracy and consistency.

## Unbeatable detection

Our system spots every imperfection and attributes so that the customer can set up the qualities and characteristics in their products as they desire. Whether you want to focus on durability flaws or esthetic deficiencies, our software will meet your specific needs and level of quality.

- Pith** 1
- Cracks** 2
- Holes** 3
- Sapwood** 4
- Pitch pocket** 5
- Darkness** 6
- Color** 7
- Wane** 8
- Wormhole** 9
- Structure** 10
- Angled Cracks** 11
- Knots** 12





## Intuitive oversight

Oversee and manage what happens in your scanner from the interface in the control station.

## Cut optimization made genius

The system takes several hundreds of factors into consideration when making cutting decisions, such as geometry or placement in the final product. We maximize yield by accepting defects that do not affect the final product, such as flaws that are milled away in furniture applications or surfaces that are hidden in a building application.

# Intelligent solutions for the production of tomorrow



## Stay on track with WoodEye Connect

Keep an eye on your production wherever you are. WoodEye Connect gives you valuable insights into your performance, with dynamic visualizations of your yield, production rates and entire operation.



# The product range

## Cross Cut

The WoodEye Cross Cut analyses your lumber from 2-4 sides to optimize the crosscutting to achieve maximum yield from your material.

## SortCut

The WoodEye SortCut is used in trimmers, planing mills and other refining processes for sorting entire boards or various kinds of components.

## RIP

With the same resolution as the Cross Cut, the WoodEye RIP scans wide lumber and uses 2D optimization to send cutting decisions to the rip saw, getting out different widths and qualities from the same board.

## Parquet

Scanning from 2-4 sides, the WoodEye Parquet detects differences in shade and color as well as detailed dimensional information. Often used for sorting 1- and 3-strip lamellas.

## Flooring

The WoodEye Flooring's key features are detecting color and cosmetic defects to optimize crosscutting of high-quality lumber for solid and laminated flooring manufacturing.

## Mini

The WoodEye Mini is a compact system that scans from one side and is often used for final inspection and quality control.



# Most sold lengthwise scanner



# Our approach

1

## First contact

We present our offer and establish your needs.

2

## Demo

With your material, we demonstrate the scanner's capabilities.

3

## Building your machine

We build your scanner according to your custom desires.

4

## Optimization & training

We provide you with a tailormade training for your specific production process.

5

## Installation

We perform the installation and acceptance at your site.



## We care about your operation

Our goal is to make your scanner life as long as possible. Therefore, we offer various service agreements and spare part packages. We can always assist and service you either by phone, remote assistance or visit your site. Our priority is to have your production system running as smooth as possible.

# We make perfection possible.

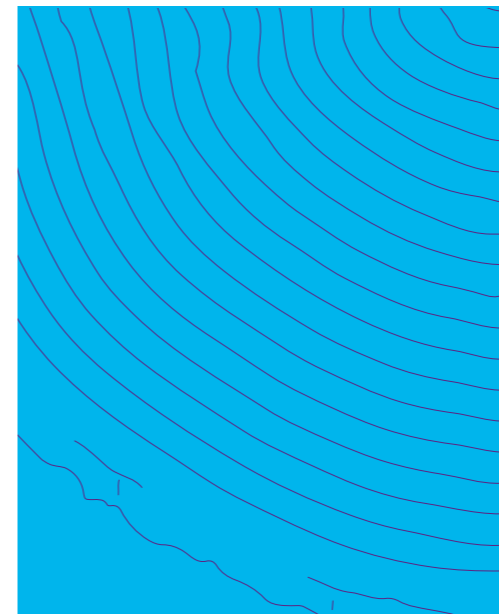
With our flawless detection that spots even the smallest deficiencies, our customers can go on and produce the best of the best in the wood industry.



Furniture from Team 7



Floors from Berg & Berg



**“We aim to exceed expectations, with eye-opening technology and our customers’ success in mind. Therefore we work our hardest to be on top of the industry.”**

- Leif Erlandsson, CEO WoodEye



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