



How we use artificial intelligence to boost your results



Hardwood grading and defect detection are real challenges.

Dirt, spots, and chain marks complexify machine grading because they look like natural defects. Aside from these difficulties, several mills face the added challenge of finding qualified graders or lack adequate space to add more graders to increase production and improve grading accuracy. Artificial intelligence (AI) can change that.

Increase value with Comact's artificial intelligence for hardwood.

Imagine a 10% improvement in productivity coupled with an increase in prime grade outturns and yield. What would that mean for your business?

Technology has advanced exponentially, and a few changes can make a significant difference. Comact Expert Systems can help you achieve this and more, and they are easy to operate.

Already have a Comact Expert System in place? With a few modifications, AI solutions can be added to realize the advantages of Expert AI. Don't be left behind.

Artificial intelligence models customized for your production

Comact is the only company that developed its AI models using hardwood to offer unmatched accuracy of defect detection in hardwood. This is how we customize the AI models for your production:

Your hardwood grading and defect detection challenges are identified and objectives are set.

An AI specialist collects and analyzes samples of your hardwood.

Your hardwood samples are integrated in Comact's hardwood deep learning AI models.

AI models are customized for your hardwood production in order to attain objectives.

Intelligent scanners for improved optimization

Once your hardwood AI models are customized, they are seamlessly integrated in the Comact Expert Scanners that you require. In terms of performance, that's the equivalent of having Comact's hardwood specialists in your scanner 24/7/365.

Two sides of hard maple #2 common sap board, with precise knot detection and no over detection of chain marks



Comact scanners with AI:

- Sapwood and heartwood recognition for color grading
- Provide a complete tracking system for your boards
- Make a quick assessment of the best cutting yield (NHLA cutting grades or custom grades)

You won't believe the quick payback!

With over 35 AI systems for hardwood sold, we are going to revolutionize the industry. They are already proven to increase production capacity, yield, and high grades within a short period of time, and we're just getting started. So, it's no surprise that our AI system offers the fastest ROI in the industry and that several companies have purchased more than one.

Maintain consistent product quality and peace of mind knowing you can meet customer expectations with Comact's AI solutions for hardwood.

Contact us to learn more about our scanners with AI:

- TrimExpert™ for green line trimming
- EdgExpert™ for edging
- GradExpert™ for dry line trimming and grading
- ResawExpert™ for resawing

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