

# FIELD NOTES



## TrimExpert



## EdgExpert



## GradExpert



## Robotics



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## Planning for the future of your mill allows you to think in terms of "Improvement Phases."

Ensuring that purchased machinery, layout of mill equipment, and optimization of manufacturing processes, prevents starting from scratch with each upgrade to your facility.

Helping you plan and implement the successful projects of a long-term vision for a productive future is what we do!

- It starts with an analysis of the needs and objectives for your mill long term as well as for the current project.
- Initial layouts to determine necessary equipment are then developed.
- Scope and budget can now be evaluated and finalized so the right equipment for the project can be selected.
- Review with customer representatives, manufacturers' engineers and technicians as well as electrical, mechanical, controls and installation contractors provide the coordination for successful installation and commissioning of machinery.
- Follow up to insure the equipment and processes are performing as planned.

Northeast Mill Services LLC has worked on the planning, installation, and commissioning of sixteen Hardwood and seven Eastern White Pine TrimExpert Projects, covering from Maine over to Wisconsin and down to Kentucky. Several more projects are scheduled to be installed and commissioned soon. Vision/AI grading of Hardwood is the future. Can you afford to not explore the possibilities?

**Contact us to learn how we can help plan your future!**

Comact Hardwood AI models have been developed from the ground up and are customized using your lumber. Visual defects are differentiated from dirt, grease, chain marks, etc. leading to high percentage of grading accuracy.

Comact Deep Learning Artificial Intelligence integrates with information from samples of your lumber along with your specific goals, proprietary price and grades, and detection challenges to develop the results to meet the objectives for your products.

Automation of mill processes continues with Comact's Robotic Automation for Board Sorting/Stacking Systems. There are three systems currently in use and more in the planning stage.



- Transverse top and bottom (or multiple) scanning/photography systems identify visual defects and physical dimensions of faces (and edges) for the piece. The optimizer evaluates your parameters to determine the correct grade(s) for the resultant piece(s) (for a two-board trim or multi-board edge/rip solution.)
- **TrimExpert** – The solution is transferred to the controls system for trim decisions, process flow, and sorting.
- **EdgExpert** – The solution is transferred to the controls system for saw positioning of multiple edger saws or rip saw(s).
- **GradExpert** – The solution is transferred to the controls system for trim decisions, process flow, and sorting.