

SAGE / X²

Scanner for the Wood Industry

The solution for increasing your productivity



CRIQ
INNOVATION PARTNER

The Heart of your Plant

A decision-making center that will boost your entire production

SAGE / X² will adjust seamlessly to the reality of your plant. It is stable over time, while adeptly managing a whole range of commands and a complex mix of products with a variety of raw materials. Its highly advanced and smart optimization algorithms will enable you to achieve peak performance, while meeting the strictest product specifications. Defect detection and optimization performance is such that you can plan on fully automating your operations.

SAGE / X² significantly increases your bottom line, which enhances your worldwide competitiveness.

Installing SAGE / X² in your plant increases material yield and value by up to 15%*.

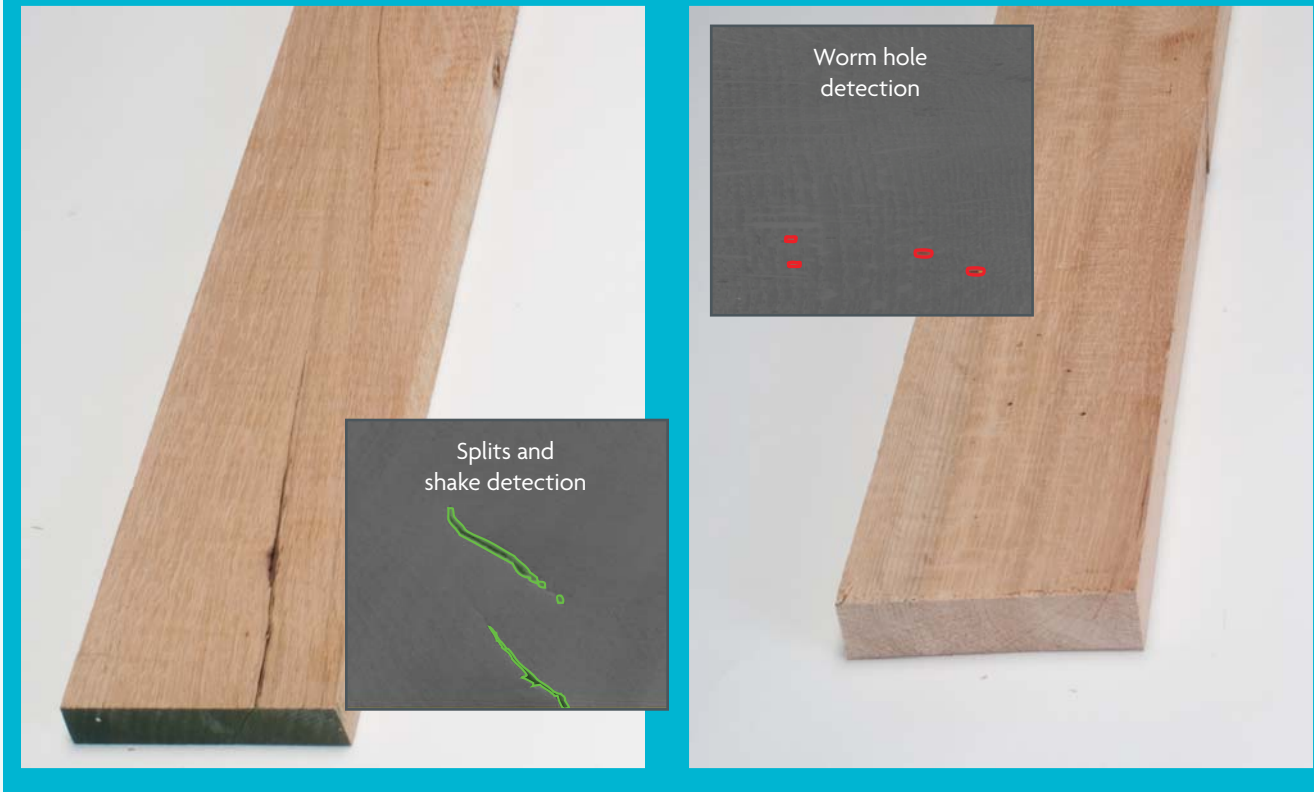
You benefit from constant grading performance.



* Based on plant performance prior to installation.

Unrivalled Performance

Accurate reading of all wood characteristics and defects



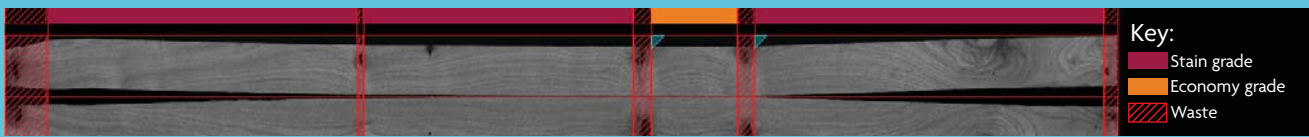
Optimal cutting solution for every piece of wood

Minimizes wood waste thus increasing yield

Produces exactly the parts you require

Maximizes monetary value

Allocates specified wood grades only



Offline simulation tool

Can be used for product development and improvement

Identifies optimal production parameters

Improved supply management

Comprehensive and Highly Flexible

Optimizer

Accurately represents the company's flooring grades

Quickly adapts to changes in market demand

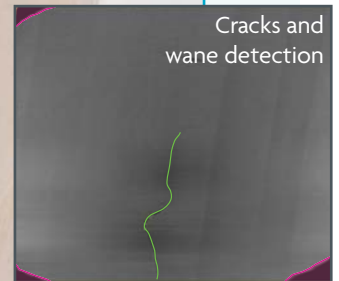
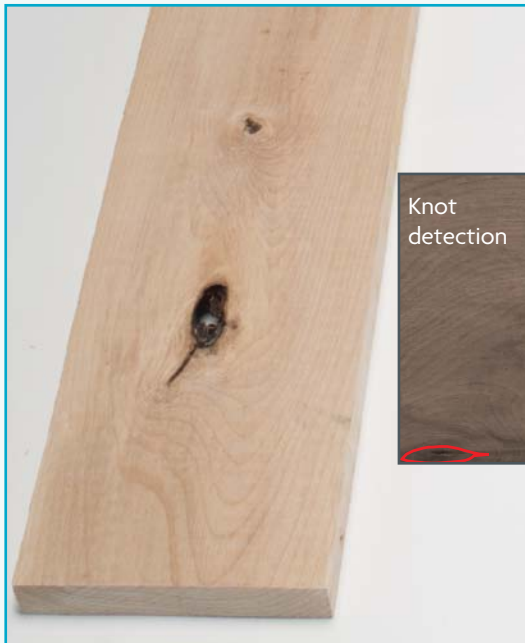
Can process wood of variable widths and thicknesses in the same production run

Simulator

Can enhance product development

Can help determine production costs for new products

Value of wood products and supply



Color variation detection

Stands the Test of Time

Detectors

The proven technology behind SAGE / X² provides repeatable accurate results over time. System parameters are fully set before delivery and remain stable, thereby maintaining reliable product quality. A simple and quick system calibration, periodically carried out by plant personnel ensures that performance, remains at the same high level. The various detectors are designed to provide simulation and debugging facilities while the system is operating or offline.



Simple and Robust

Limited number of components, ensuring maximum robustness and low maintenance costs

Quick and simple calibration

Specifically designed for hardwood flooring processing plants

Production-oriented industrial user interface



Technical Data

Raw material characteristics

Species:	Hard maple, red maple, red oak, white oak, yellow/cherry birch, beech, ash, cherry, walnut, hickory, jatoba, tigerwood, sapele, capreuva
Widths:	From 1" to 10" (can be combined)
Thicknesses:	From 0.5" to 2"
Lengths:	From 18" to 20'

Characteristics and defects detected

Splits, checks, holes, shakes

Hit and miss, thickness deviations

Wane and specific wane depths

Crook, cup, bow

Tight, loose, dark, unsound, sound knots

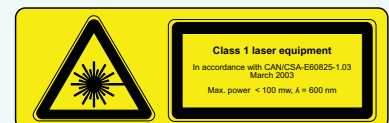
Bark pockets, mineral streaks

Heart / sapwood

Sticker stains, heat altered wood

Performance

Processing speed: 600 feet/min. (variable on demand)



An Experienced Team

CRIQ highlights:

- Over 40 specialists under the same roof
- More than 50 vision systems delivered over the past ten years
- Renowned and demonstrated expertise with regards to the wood flooring processing industry



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