

FyrEye-2700 Family Wood Product Inspection Systems

Automatically inspects profiles and surfaces of boards and complex contoured wood products for a wide range of defects and attributes.

FyrEye-2700 family systems inspect profiles of linear wood products, such as; moldings, dimension lumber, flooring, and tongue-and-groove products in low, medium and high speed linear product processes. Inspections cover two general categories of defects:

Physical (mechanical) defects, such as:

- Chips
- Gouges and gaps
- Voids
- Rips, tear outs
- Improper profiles
- Process malfunctions
- Lamination Issues

Coloration type defects and such as:

- Stains
- Oversized knots

It also can classify or verify desirable attributes from the above two categories such as dimensions, shape, markings, pattern and color.



Tongue and Groove Flooring Product

This publication presents the FyrEye-2700 family in general and also a specific example system, model # FyrEye-2700-01 which includes: Inspection for discoloration (vs. mechanical) type defects / attributes, high density NEMA 12 (dust tight) CVP enclosure with vortex cooling (requires pressurized air), powerful and user-friendly software, NEMA 12 (dust tight) camera enclosure, solenoid controlled camera window clearing option (compressed air supply and controls by others), one standard progressive scan 640 x 480 camera with direct hardware trigger option, standard plus neural net pattern and defect analysis tools, full PC/Windows architecture Ethernet port, removable mass media, 8 discrete inputs, 8 discrete outputs, internal storage for at least 40,000 programs or images, engineered lighting and optics, APS™ (Assured Path to Success™) scope, program and services, and no other options. A large amount of application-specific specs and functional details apply to the FyrEye-2700-01 example system; all other FyrEye-2700 family systems will be designed with sufficient performance capabilities to fulfill the requirements of the current application.

How to order: To order the exact example system specify model # FyrEye-2700-01. Otherwise please contact FSI or your FSI Representative for a FyrEye-2700 family system & solution for your specific application and requirements.

Besides system level benefits and advantages, FSI Machine Vision offers unique strengths and benefits in each of these important foundation areas: architecture, construction, expertise, methods and support. Please contact us for more information on any one of these areas, or if we may be of assistance on any automatic inspection or machine vision application.



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