



LABEL VERIFICATION

As a CSIA certified control system integrator, automated product validation is critical to regulatory compliance and quality control. Grantek's use of only non-proprietary, industry-leading, vendor supported hardware ensures a flexible, robust, fully supportable, and fully customizable deployment. This ensures that the right product is in the right packaging, avoiding costly non-compliance penalties and loss of market share or brand damage. As CSIA control system integrators, Grantek can handle every step of an implementation from project management, vision engineering, software and electrical design, hardware specification and procurement, construction management, commissioning, validation, and training.

Grantek can provide 100% label inspection for:

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|--------------------------|-------------------------------|
| On-film Inspection | Shiny Packaging |
| In-line Inspection | Wrinkled Packaging |
| 360 Degree Inspection | High Speed Applications |
| 1D or 2D Barcodes | Defect Detection |
| No Barcode - Pattern/OCV | Code Date Content and Quality |



From the plant floor to the board room, Grantek provides a complete solution for label verification. Real-time live images, stored missed images, and an intuitive user interface provide maintenance and operators with all the information needed for seamless integration into any existing production line, or as part of a new installation. Our solution is in alignment with US & Canada Food Safety regulations, helping you mitigate the Food Safety risk with undeclared allergens. Connections to existing MES or to a new MES deployment allow for historical reporting and custom reports to identify issues or opportunities for continuous improvement. Grantek's web-based Recipe Control takes control of the source of truth away from the plant floor, where human-error happens, and in the hands of only qualified users.

CUSTOMIZATION

Industry standard PLC, HMI, and vision hardware allows for full customization of functionality, user interface, run rules, line interface, and reject control.

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Verification of any 1D or 2D barcode from UPC to Data Matrix to Code 128. Expertise with full vision toolsets allows for label verification even on packaging without any barcode.

CODE DATE INSPECTION

Grantek can seamlessly integrate code date or serialized on-demand printing inspection as part of a full packaging validation solution. Inspection includes both print content and quality.

DEFECT DETECTION

The flexibility of Grantek's solution allows for integration of full machine vision toolset cameras for defect detection, such as wrinkled packaging, label positioning, or product orientation.

MES INTEGRATION

Integration with existing MES systems or deployment of new MES applications to provide historical reporting, automatic SKU selection, failed image analysis, or web-based recipe management to maintain a single source of truth. Can link or be a part of your Quality/Order Management System.