

FOOD PROCESSING

Automated Vision System Solutions for the Food Processing Industry

Industrial Vision Systems Ltd (IVS[®]) is a market leader in the development of automated machine vision solutions for the food processing industry. IVS offers an unparalleled suite of vision system solutions designed for high speed inspection and integration into the latest generation production lines. The reduction in capital costs of automated systems coupled with the ever increasing quality standards from supermarkets and food wholesalers has driven the use of automated inspection systems in the food processing industry in the last few years.

Unlike the human eye, our solutions can perform checks with 100 per cent constant quality, around the clock. Inspection and identification tasks are performed with high accuracy. Even the smallest - almost invisible to the eye - defects are reliably detected at higher inspection speeds. Customer complaints can be avoided, production rates increased, and human resources used more efficiently.

Using IVS solutions, today's production engineers can take advantage of vision system tools that facilitate shop floor integration through simple, integrated user interfaces and better facilities for powerful analysis and immediate visibility of process state and issues relating to real-time quality control.

Applications

- Price and date code verification
- Label placement and alignment
- Label type verification
- Packaging damage checks
- Dimensional packaging inspection
- Colour grading
- Product defect detection
- Seal integrity and inspection
- Print and text quality inspection
- Feature presence verification
- Surface inspection for contamination
- Product traceability
- 1D and 2D code reading



Key Benefits

- Compliance with EU and other regulatory requirements within the food processing industry.
- Complete portfolio of camera resolutions and processing options for high precision vision solutions.
- Recipe driven workflow, reject control management and comprehensive suite of control options for production line communication.
- Comprehensive audit logs to provide assurance of procedural control and regulatory compliance.
- User-friendly, graphical interface for production line control.





NeuroCheck® MACHINE VISION SOLUTIONS

Our industry leading NeuroCheck solution is a powerful, easy-to-use machine vision inspection solution specifically targeted for the modern food processing environment. Intelligent digital camera technology combined with the most up to date software on the market today gives IVS reliable automated inspection solutions across the entire production line.

To promote consistent coordination of complex vision processes that reach across the shop floor, the IVS vision suite of solutions enables and simplifies collaboration and vision communication through the unique NeuroCheck graphical user interface deployed on the shop floor.

Seamless integration

NeuroCheck grows with your requirements with the support of a full range of camera resolutions and speeds. Seamless integration into production lines and processes is possible with direct support for all standard production line communication protocols to allow automatic rejection of failed parts.

NeuroCheck conducts device set up control, recipe-driven workflow and integration of third party online devices to ensure integrated quality control and reject station management.



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NeuroCheck is in use in thousands of mission critical production processes around the world across a range of applications areas. Our user base includes many of the Top 100 food processing companies.