

Product Info



expert

Keeping an eye on cans:

Body Maker Number reader boosts process efficiency



Timely process feedback increases output

Up until now, the primary goal of can inspection was to detect defective cans and reject them from the process. However, users are now looking for functionality that goes beyond mere can inspection. A large volume of quality data is needed for process optimization and early detection of production problems. This information allows operators and engineers to take quick action which can avoid problems later on. The Can Expert modular inspection system has been designed to provide this vital information.

The "Can Expert WIM" identification module detects the body maker number on each can that it inspects and links that number to the inspection result. Defects can be allocated to specific machines, and sources of human error can be eliminated. The optical station, which was developed specifically for this application, together with highly optimized algorithms which interpret the characters provide offline and online identification at speeds up to 3480 cans/minute. The cans can be presented to the camera in any rotation.

The advantages:

- Modular design: expansion or stand-alone module
- Suitable for offline or online mode
- AutoTeach function for new characters
- Remote parameterization
- Remote visualization via Ethernet
- Temporary storage of the last 100 images
- Comparison of data with known defects in the database (WIM Online)
- A wealth of statistics functions
- Combinable with the TCI or NPG module
- Network data access and backup
- Pre-calibration for easy maintenance
- Safeguarding of defined quality standards
- High-Speed return on investment

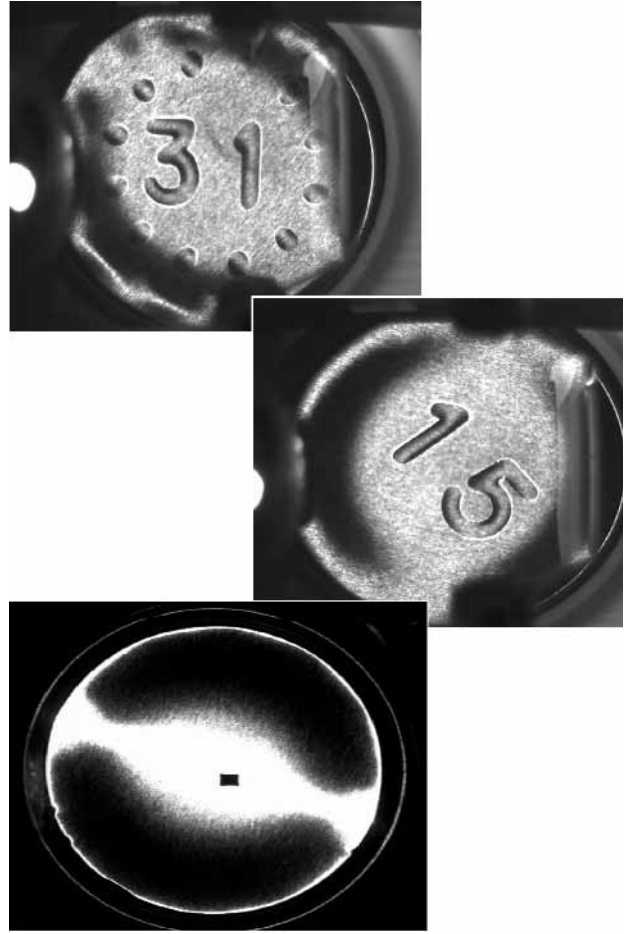


Reliable identification

Can Expert can do more than recognize numeric and alphanumeric characters. The optical "WIM-2" sensor reliably identifies the ID marks on the radius of the can's bottom end.

Because Can Expert is based on a modular design, a network-enabled visualization unit can easily be added which displays information and results right at the production stations. This enables production personnel to react quickly and reduce spoilage.

Users can easily add new characters to the character set which the system recognizes. Can Expert has an AutoTeach function which guides the operator through the few simple steps that are needed to add the new characters.

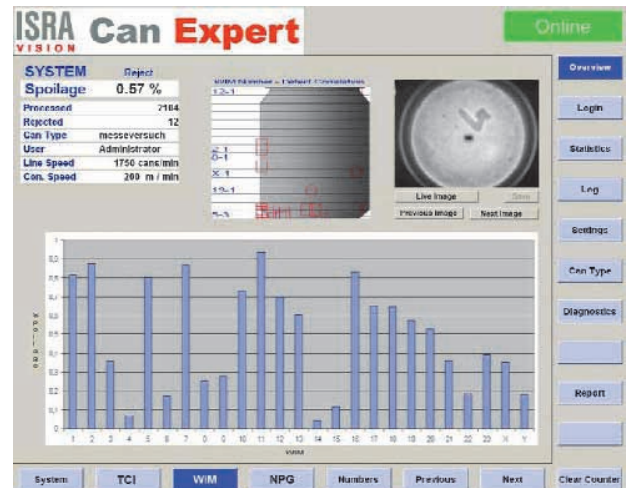


Feature identification

- Identification of numeric and alphanumeric characters
- Identification of cans that are rotated in any angle at speeds up to 3480 cans/minute
- Identification of customer-specific ID marks

Additional Can Expert modules

- TCI Modul:
 - can interior inspection
- NPG module:
 - neck/plug measurement
- DQI module:
 - decoration quality control
- ESI Modul:
 - end, shell and compound inspection



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