



**Take on Today's Packaging Challenges
with Automated Inspection and ID**

MICROSCAN®



Barcode and Machine Vision Solutions to Error-Proof Your Line

Can you trust that the barcode on your packaging will be readable once it's in the supply chain? What happens if a wrong film roll is loaded onto your line? Have industry labeling requirements been met?

These are challenges that manufacturers in the food, beverage, and consumer goods industries face today. Mislabeled products, mismatched containers, and unreadable printing can result in recalled products, fines, and unhappy consumers – and the further an error makes it into the supply chain, the higher the costs for recovering it will be.

Automated inspection and identification solutions from Microscan detect errors early in the process, allowing for corrective action before products leave the factory and ensuring product traceability. With a complete product portfolio ranging from barcode readers to machine vision and lighting, Microscan can help you meet today's packaging challenges.



Think looks don't matter?

When it comes to product packaging, looks do matter. Cosmetic flaws including skewed labels, dents and other imperfections are one of the top reasons products are left to sit on grocery shelves.



You can make sure every product leaves your facility in perfect condition with machine vision inspection and verification solutions. Catch errors before the product is shipped and rest assured that your product will look its best on the store shelf.

Perfect match every time?

Every container you fill on your line has a corresponding lid to accurately identify, package, and brand your product. But mistakes can happen. A wrong lid can be placed, or a wrong film entered into the packaging machine due to human error.



Errors can be avoided by simply matching a barcode or OCR text on the lid to a barcode on the tub or jar with barcode readers or smart cameras. Match labels, film, and lids to contents to ensure perfectly packaged products. If you catch just one error before a product is shipped, the investment will pay for itself.

Always read the fine print.

Expiration dates and other overprinted information on flexible packaging should always be legible. Unreadable date and lot codes can result in returned shipments, fines, or even a product recall.



Achieving consistent print quality can be a challenge on fast moving packaging lines. An inline inspection solution is a cost effective and reliable way to ensure consistent print quality and legibility with greater reliability than random sampling.

Half empty or half full?

Either way, that's not a question you'd want your retailer or end customer to ask at the grocery store or at home. Each bottle should be filled to the correct level to ensure customer satisfaction.



You can check fill levels, inspect label and print quality, and verify cap alignment with an inline smart camera. This is a cost-effective way to ensure that each product meets your quality requirements, and any issues are addressed before they become problems.

Appearances can be deceiving.

The barcode on your case may look fine but can your customers read it? Even if your own barcode scanner can read a printed code, you may be shipping packages with substandard barcode quality. You could end up paying a fine for each unreadable code.



Direct printing is cost effective, but it can be challenging to produce consistently readable barcodes due to varying substrate quality, motion, and low mark contrast. Monitor barcode quality, verify codes, and detect printer issues before problems arise with inline 1D/2D barcode verification and validation solutions using machine vision software.

With over 30 years experience in both auto ID and machine vision, Microscan's line of barcode readers, vision systems, and machine vision lighting is backed by one of the world's most robust patent portfolios and years of proven performance in the field. Our comprehensive product portfolio includes **laser scanners and imagers** for reading 1D or 2D codes on high speed packaging lines; scalable **machine vision software** for powerful inspection that is easy to implement; **compact smart cameras** to fit any system or production line; and **advanced lighting** to ensure the optimal performance of your system.

Error-proof your packaging line, improve process efficiency, and ensure supply chain traceability with barcode and machine vision technologies built to take on today's challenges.



Laser Scanners



2D Imagers



Smart Cameras



Vision Software

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