

COGNEX

Advanced machine vision made easy

Solution Spotlight: In-Sight 2800

One Device for Inspections and Code Reading

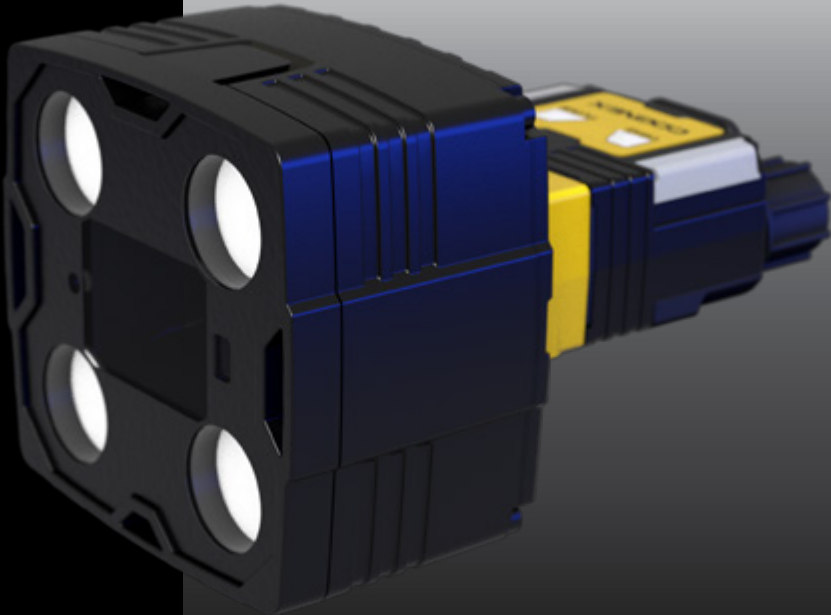


Why Dual-Functionality Matters

Automated inspections and code reading play essential roles in manufacturing. Traditionally, these functions required separate devices, but what if one device could handle both tasks?

Meet the In-Sight 2800

The In-Sight 2800 is an all-in-one vision system that combines inspection and code reading – including optical character recognition (OCR) – in a single, easy-to-use device. This innovative solution helps manufacturers simplify operations, cut costs, and boost productivity across industries.



Why Choose the In-Sight 2800

Manufacturers need solutions that streamline production while remaining cost-effective. In-Sight 2800 addresses these challenges by offering a smarter, more consolidated approach to factory automation.

Feature	Competitive Solutions	In-Sight 2800
Cost	Requires multiple devices, leading to higher capital and maintenance costs	Single device handles both tasks, reducing equipment needs and total cost of ownership
Operational Efficiency	Complex integration with more potential failure points	All-in-one design simplifies setup and minimizes risk of downtime
Flexibility	Limited adaptability for varied or evolving application	Easily scales and adapts to different inspection and code reading tasks
Training & Updates	Each device requires separate training and updates	Unified platform reduces training time and streamlines updates

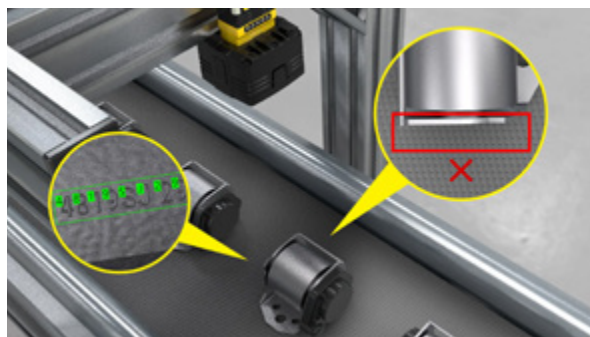
Top Use Cases

Industries served:

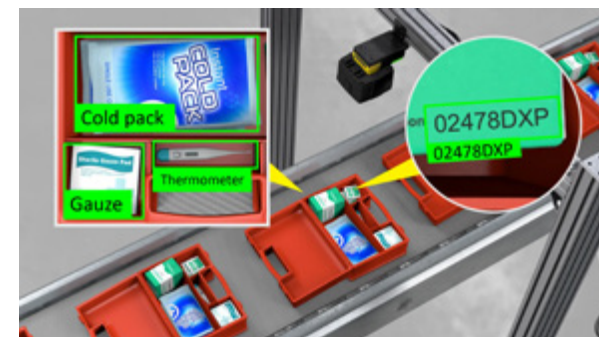
- Automotive
- CPG
- Electronics
- Food & Beverage



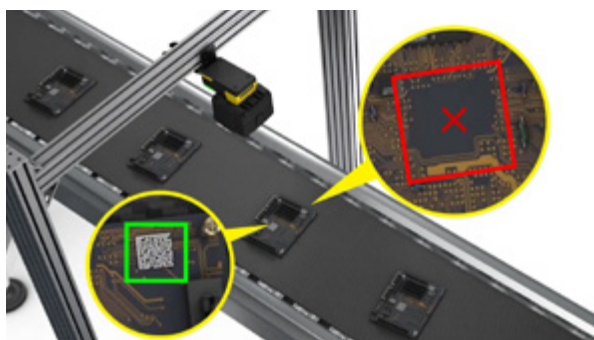
Code reading and OCR



Presence/absence check and OCR



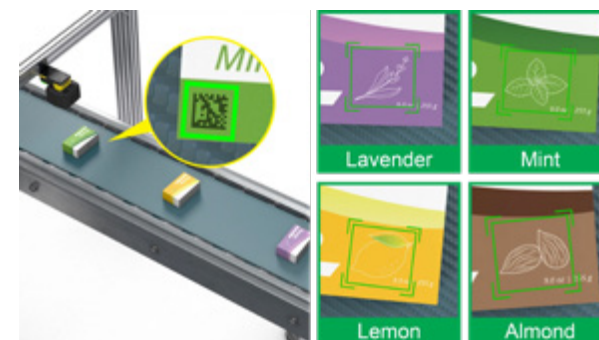
Classification and OCR



Presence/absence check and code reading



Defect detection and OCR



Classification and code reading

How it Works: Smarter Technology Built for Manufacturing

The In-Sight 2800 vision system combines advanced technologies to perform inspections and code reading simultaneously.



AI and Rule-Based Logic

Adapts easily to different inspection and code reading tasks



Image-Based Training

Deploy with as few as 5 to 10 images, no programming expertise required



Tool Chaining Technology

Chain multiple tools to execute multiple tasks in one seamless workflow



High-Resolution Imaging

Detect subtle defects and read even low-contrast or damaged codes



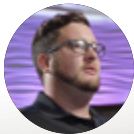
Multi-ROI Setup

Analyze multiple regions in one image for higher throughput



In-Sight 2800 Ensures Your Success

“We have between 30 and 40 different deodorant designs which include different fragrances, colors, and names... After trialing the system, we learned that the [In-Sight 2800] was intelligent enough to filter out the colors and names and focus on the actual defects of the product. [It] offered the most options for the money.”



Noah Leuer, Manufacturing Engineer, Federal Package

“Cognex edge learning solutions are incredibly easy to set up; generally, in less than 4 hours for a simple use case, we can have an application ready for production.”



Laurent Chantoiseau, GSC Europe Data & Analytics Director, Schneider Electric

“There's many [potential] assembly mistakes... When you put a bolt into a thin, flat part, it's hard to tell if it's flush and meets the required tolerance with most vision systems. But since we've had the In-Sight 2800, we've been able to catch all of these defects, and it's solved 100% of our problems.”



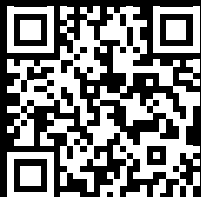
Daebeom Park, Senior Manager of Production Technology, BorgWarner



Discover the Power of Unified Vision and Code Reading

The In-Sight 2800 combines vision inspections and code reading into a single system, simplifying operations, reducing costs, and offering scalability to meet the demands of modern manufacturing.

Start your journey toward smarter, more streamlined manufacturing today



Connect with our team to learn how the In-Sight 2800 can optimize your next factory automation project.

cognex.com/contact-sales





Advanced machine vision made easy

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