



Automate and Optimize Logistics Processes

with Zebra's Fixed Industrial Scanning and Machine Vision Solutions



How can you achieve more when fast-paced, unpredictable markets and labor shortages are making demand for fulfillment erratic? Gain the visibility and accuracy you need to keep up with delivery deadlines and customer satisfaction. From the loading bay and beyond, Zebra's Fixed Industrial Scanning and Machine Vision solutions can help you bring more efficiency to every area of your logistics operation. Empower worker productivity and make tracking a core competency—and a game changer for your bottom line.

Zebra Aurora™, an innovative, unified software platform spanning both fixed industrial scanning and machine vision solutions, gives you the flexibility to automate on your terms. With technology that's easy to set up, deploy and run, you'll get an intuitive toolset with everything you need at your fingertips. Whether you're pursuing initial automation or optimizing existing automated processes, let Zebra's Fixed Industrial Scanning solutions inspire potential in your facility.



Experience the difference



Single shared software platform



Easy to set up, deploy and run



Choose fixed industrial scanning and machine vision features needed



Transform and optimize processes at your pace

Track Inventory and Packages from Picking to Delivery

Challenge

Getting boxes to the right places at the right time is essential to succeed. Without accurate, up to date inventory records and the ability to retrieve data instantly, items can go missing or deliveries can be delayed.

Solution

Gain visibility into work-in-process by reading labels on boxes and packages at key stages in their movement. Automated data capture reads 1D and 2D codes to help speed up processes and build in electronic records to improve accuracy. Overhead hands-free scanning transforms loading docks while inline automated scanning enhances conveyor belt workflows. Use Zebra's trusted decode performance to read individual barcodes and even read multiple codes with the ManyCode feature.

Achieve unmatched visibility into inventories:

Capture multiple and challenging barcodes

Track work-in-process inventory

Zebra PRZM Intelligent Imaging provides trusted decode performance

Ultra-rugged and durable design

Easily integrated in an IoT environment





Streamline Print and Apply Processes with Smart Cameras

Advance your print and apply automation with machine vision:

Monitor the overall print quality of full labels

Ensure correct use of pre-printed labels

Check correct positioning of labels

Challenge

Incorrect or damaged labels can halt transportation and logistics processes—impacting other cargo and forcing adjusted timelines. Even poor label positioning can impact shipping schedules. But with huge volumes and oversized packages, a simple task like labeling can drain valuable time workers can spend elsewhere.

Solution

Fixed industrial scanners read codes directly after a label's been printed, verifying if the code is readable and monitoring code quality. After applying the label on the product, you can confirm a code has been read, ensuring the correct label made it onto the correct package. By upgrading the software to machine vision, the system can now check print quality and the physical position of the label, all with the same hardware.





Save Time from the Start of the Line to the Final Stop

Challenge

From the start of the line to last mile delivery, time is of the essence. If packages are lost, it can cost you revenue and customer satisfaction. Packages that have been incorrectly sealed, boxes incorrectly palletized and loaded onto trailers, or a pallet that just goes unread—even the smallest overlooked detail can delay a shipment.

Solution

Make accuracy a priority from the moment shipments arrive to before they depart—ensuring accuracy and traceability at the most vital touchpoints to avoid returns and mistakes before they impact profits. Zebra's fixed industrial scanners can equip conveyors to read codes and help with routing, enabling workers to make sure totes and boxes are moving on schedule and to the right location. Leverage machine vision to create a packaging solution, checking wrapping before palletization, label presence, and clearing vehicles for entry and exit. Zebra Aurora™ handles both solutions, so you only need training on one platform.

Take start and end of line operations to the next level with added intelligence:

Quick Draw reduces tool deployment time

Golden Image Compare improves long-term maintenance

Real-time electronically focusable lenses increase accuracy



Streamline Loading and Unloading Procedures

Challenge

Loading and unloading are critical tasks to get right in order to keep other workflows on track, but poor utilization of trailers, slow manual loading, and mistakes like placing the wrong package on the wrong trailer can turn loading docks into problem areas.

Solution

Powerful fixed industrial scanners—conveniently mounted overhead—enable quicker loading. You can even mount them on either side of dock doors to read pallets as they're loaded and unloaded or flex your solution to give forklifts the ability to scan pallets as they're staged. Ultra-rugged fixed industrial scanners can be mounted over thresholds, in-line on conveyors, or on vehicles to enable scanning without operator interaction.

Bring more versatility and power to loading:

Powerful integrated lighting

Customizable with an array of accessories

Dual Ethernet ports for ultimate communication flexibility

24vdc, USB-C and PoE power options





Enabling Performance. Inspiring Potential.

Discover your true productivity potential with solutions that are simple to use and manage and designed to make upgrading pain-free. An incredibly easy out-of-the-box experience makes Zebra's Fixed Industrial Scanning and Machine Vision solutions ideal for initial automation or integrate into existing automated processes to make them more impactful than ever. With the world-wide leader in barcode scanning and imaging behind you, along with a network of support, you'll automate tasks quickly and with confidence.

Meet Zebra's Family of Fixed Industrial Scanning and Machine Vision Solutions



To learn more about Zebra's Fixed Industrial Scanning
and Machine Vision solutions, visit:
www.zebra.com/machine-vision-fixed-scanners



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