

ODV/OCR-Assisted Finished Goods Put-Away for Accurate Inventory Control

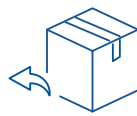
A vision-enabled solution that verifies printed labels and enables digital put-away execution, helping manufacturers maintain accurate inventory control from production output to warehouse storage.

Solution Overview

Late label verification can allow errors to move downstream, causing rework, inventory discrepancies, and operational delays. This solution combines automated label inspection, mobile put-away execution, and WMS integration to improve finished goods control before inventory entry. The solution combines:



Automated label verification using
ODV/OCR inspection



Mobile finished goods
put-away execution



Digital inventory transaction
integration with warehouse systems



Achieve accurate results without compromising performance.

Solution Architecture

A. Label Printing & Verification

(T6000e ODV-2D Printer + OCR Solution)

The T6000e ODV-2D printer integrates barcode verification and OCR inspection to validate printed labels during production, helping identify labeling issues before finished goods move into warehouse operations. Key capabilities include:

- Barcode and OCR-based label inspection
- Detection of missing, incorrect, or unreadable labels
- Verification during the printing process

B. Digital Put-away Execution

(EK430 Mobile Computer)

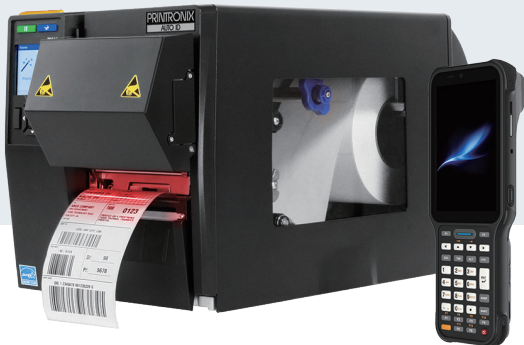
The EK430 mobile computer enables operators to complete finished goods put-away digitally by confirming products and recording inventory movements at the point of operation.

- Mobile product confirmation
- Digital put-away transaction capture
- Flexible warehouse operation

C. Inventory Synchronization (WMS)

Put-away transactions are synchronized with WMS to update inventory status and maintain accurate transaction records.

- Real-time inventory updates
- Transaction traceability
- Integration with existing warehouse systems



Operational Impact

The solution improves finished goods handling efficiency and reduces errors between production completion and inventory storage.

60–80%

Less
Verification Time

70–90%

Fewer
Label Errors

20–35%

Faster
Put-away

Deployment Characteristics

The solution integrates into existing production and warehouse workflows with minimal operational disruption.



- **Minimal workflow changes:** Fits existing production output and finished goods put-away processes.
- **Modular deployment:** Supports phased rollout by production line or warehouse area.
- **Scalable implementation:** Enables expansion across multiple facilities using a standardized solution framework.

Business & Technical Value

Key operational and technical benefits of this solution include:



- **Upstream Verification:** Detects labeling issues at production output before they impact downstream inventory operations.
- **Integrated Verification & Put-away:** Links label verification, mobile put-away, and inventory transactions into a coordinated workflow.
- **Controlled Inventory Transactions:** Ensures finished goods movements are verified before being recorded in inventory systems.
- **Flexible System Integration:** Supports integration with existing manufacturing and warehouse environments.

Target Environments

- End-of-line finished goods operations
- Production-to-inventory transfer workflows
- Manufacturing facilities requiring label verification before inventory entry
- Operations requiring controlled inventory transactions

