

## Automated Scanning, OCR & Printing Solution for Component and Carton Verification

“Poka-Yoke” (Japanese) refers to the systematic prevention of errors in production and assembly processes. The objective is to reliably prevent component mix-ups and process errors or to detect them immediately before they affect quality, costs, or customer satisfaction.

The **AIT Poka-Yoke Inspection System** consistently applies this principle. As a modular quality assurance solution, it prevents component mix-ups and incorrect filling in manual production processes. By **combining code scanning, OCR-based plain-text verification, and automated label printing**, the system ensures that only verified components in the correct quantities are packed.



The AIT Poka-Yoke Inspection System secures manual packaging processes through intelligent code verification, OCR inspection, and guided operator workflows.

**Flexible. Retrofit-ready. Reliable process control.**

### Technical Highlights & Benefits

- **Quality Assurance:** Prevents component mix-ups and ensures that only verified parts are packed
- **Poka-Yoke / Error Prevention:** A guided process prevents duplicate scans, incorrect quantities, and wrong part types
- **Traceability & Documentation:** All scanning operations are stored per carton and documented in CSV format
- **Manual Workstations:** Ideal for retrofitting existing manual workstations without interfering with the production line
- **Labeling:** Automated label printing for complete and interrupted cartons
- **Vision & Identification:** Uses DMC scanners and camera systems for reliable identification and part differentiation, even for visually similar components

**We show you how to improve quality while reducing costs.**

**Request a no-obligation consultation: [sales@ait.de](mailto:sales@ait.de)**