

# PALLETIZING & DEPALLETIZING AUTOMATION SOLUTIONS

## SMARTER PALLETIZING & DEPALLETIZING STARTS HERE

Manufacturers face constant pressure to move finished goods faster, safer, and more efficiently—often with limited labor and tight floor space. Manual palletizing and depalletizing create bottlenecks, increase ergonomic risk, and make it difficult to maintain consistent throughput.

MWES designs and integrates custom palletizing and depalletizing automation systems that streamline end-of-line operations while improving safety, reliability, and productivity. From compact robotic cells to fully integrated material handling systems, each solution is engineered around your unique products, packaging, plant layout, and production goals. Built for real-world manufacturing, MWES systems deliver long-term reliability with minimal maintenance and the flexibility to adapt as production needs evolve.

### Why MWES?

- ◆ **Custom Engineered Solutions** – Every palletizing and depalletizing system is designed around your products, packaging, layout, and production goals—never off the shelf.
- ◆ **Proven Integration Expertise** – Decades of experience integrating robotics, material handling, controls, and software into reliable, production-ready systems.
- ◆ **Built for Real-World Manufacturing** – Engineered for uptime, reliability, and ease of operation—with intuitive controls and long-term service support.

### KEY BENEFITS :

#### ► **REDUCE LABOR DEPENDENCE**

Automate repetitive, physically demanding tasks to offset workforce challenges.

#### ► **INCREASE THROUGHPUT & CONSISTENCY**

Robotic systems maintain steady performance without fatigue or variability.

#### ► **IMPROVE WORKPLACE SAFETY**

Minimize manual lifting, repetitive motion, and ergonomic risk.

#### ► **FIT YOUR FACILITY**

Compact, custom-engineered systems integrate into existing layouts with minimal disruption.

#### ► **SCALABLE SOLUTIONS FOR GROWTH**

Flexible automation designs adapt to new products, pallet patterns, and production volumes.

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## COMMON APPLICATIONS

### ► CASE / CARTON PALLETIZING

Automated palletizing and depalletizing of cases and cartons at the end of packaging lines to improve throughput, consistency, and ergonomic safety

### ► MATERIAL HANDLING & PRODUCT TRANSFER

Reliable movement of packaged goods between production, storage, and shipping operations—reducing manual handling and improving overall material flow.

### ► MIXED LAYER PALLETIZING

Flexible robotic systems designed to build mixed-SKU and mixed-layer pallets, supporting high-mix production and complex order fulfillment requirements.

### ► STACKING & UNSTACKING

Automated stacking and unstacking of cases, trays, totes, or products to support packaging, material handling, and downstream processes while reducing labor and repetitive lifting.

### ► PACKAGING & PALLETIZING INTEGRATION

Seamless integration of palletizing and depalletizing systems with upstream packaging equipment, conveyors, and downstream logistics operations.

## PARTNER WITH MWES FOR EFFICIENT MATERIAL HANDLING

MWES delivers custom palletizing and depalletizing automation designed to perform in demanding manufacturing environments. From compact robotic cells to fully integrated material handling systems, our solutions improve throughput, enhance safety, and reduce labor dependence—while fitting seamlessly into your operation.

## LET'S BUILD A SMARTER END-OF-LINE SOLUTION

Talk with an MWES automation expert to explore how palletizing and depalletizing automation can improve efficiency, safety, and consistency in your operation.



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