

ADVANCED AUTOMATION FOR SMARTER FOOD PRODUCTION



OPTIMIZE PRODUCTION. ENHANCE FOOD SAFETY. REDUCE COSTS.

In the fast-paced food industry, efficiency, consistency, and compliance are essential. MWES provides innovative automation solutions that optimize production, improve product handling, and ensure food safety—allowing you to focus on delivering quality and driving growth.

From processing to packaging and warehousing, our tailored automation systems boost throughput, enhance operational efficiency, and maintain strict food safety standards, helping you stay ahead in a competitive market.



HOW WE HELP THE FOOD INDUSTRY:

- ▶ **END-TO-END FOOD HANDLING SOLUTIONS**
From portioning and inspection to labeling, palletizing, and fulfillment — we streamline your production line for greater efficiency and yield.
- ▶ **AUTOMATED COLD STORAGE & ORDER FULFILLMENT**
Order fulfillment solutions to match your operations.
- ▶ **AUTOMATED CASE PACKING**
Efficient packing with precision, reducing labor costs and increasing consistency.
- ▶ **ROBOTIC PALLETIZING & DEPALLETIZING**
Faster, safer handling of packaged food products with minimal human intervention.
- ▶ **AGV & AMR ROBOTICS**
Autonomous movement of products and materials for seamless workflow.

ADVANCED AUTOMATION FOR SMARTER FOOD PRODUCTION

STAY COMPETITIVE WITH INTELLIGENT AUTOMATION

The food industry faces constant pressure to improve efficiency, ensure product quality, and navigate labor shortages. MWES specializes in custom automation solutions that optimize production, reduce waste, and enhance food safety. Our systems are built to streamline operations and scale with your business.

AUTOMATED COLD STORAGE & ORDER FULFILLMENT

- ▶ Automate storage and retrieval, reducing manual handling in temperature-sensitive environments.
- ▶ Managing high SKU counts, lot codes and expireate dates in frozen and refrigerated storage.
- ▶ Improve order accuracy and fulfillment speed, reducing costly delays.
- ▶ Maximize storage capacity by utilizing vertical space and reducing facility footprint.
- ▶ Enable high system uptime with automated pallet inspection and grading.
- ▶ Create a digital record to monitor and track inventory in real time.



ROBOTIC PALLETIZING & DEPALLETIZING

- ▶ Handle multiple packaging types, including sealed cases, trays, and shrink-wrapped products.
- ▶ Use vacuum, fork, and servo-mechanical tools to manage delicate or irregularly shaped food packaging
- ▶ Increase throughput while maintaining product integrity.
- ▶ Compact designs require minimal space, making integration into existing food production facilities simple.
- ▶ Interfaces with Warehouse Management Systems (WMS) to streamline logistics.



AUTOMATED CASE PACKING & MIXED LAYER ORDER FULFILLMENT

- ▶ Ensure precise, consistent packing of food products to reduce damage and waste.
- ▶ Enable mixed-layer palletizing for customized order fulfillment in retail and distribution.
- ▶ Operate with high-speed lines to improve packaging efficiency for frozen, refrigerated, and shelf-stable foods.
- ▶ Integrate with AS/RS systems to optimize storage and retrieval processes.



MOBILE ROBOTICS (AGVs & AMRs)

- ▶ Automate material transport in processing plants, warehouses, and distribution centers.
- ▶ Reduce reliance on manual labor in high-volume food production environments.
- ▶ Improve food safety by minimizing human contact with packaged goods.
- ▶ Work alongside robotic palletizers and cold storage systems to deliver a fully automated solution.



FUTURE-PROOF YOUR FOOD PRODUCTION

Food production is evolving, and automation is the key to higher throughput, reduced operational costs, and a stronger bottom line. MWES partners with food manufacturers to deliver innovative, turnkey automation solutions tailored to your needs.

Ready to transform your production line? Let's talk about how MWES can help!



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