

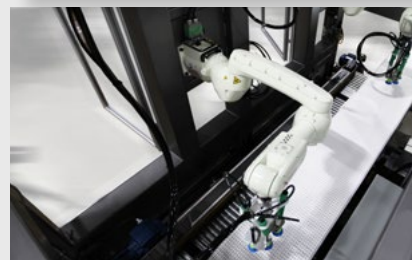
OPTIMIZE EFFICIENCY, REDUCE LABOR, AND IMPROVE FLEXIBILITY

Placing finished products into shipping cases or trays no longer needs to be labor-intensive. MWES provides robotic and precision automation solutions that streamline case packing, offering greater efficiency, reliability, and flexibility than conventional methods.

Our standard case packing solutions are designed to handle a variety of packaging formats and can be customized to maximize throughput while ensuring seamless operation. Whether your priority is improving reliability, accommodating high product variety, or maintaining strict hygiene standards, MWES tailors each system to meet your unique production needs.

HYGIENIC, SAFE, AND BUILT FOR FOOD & BEVERAGE

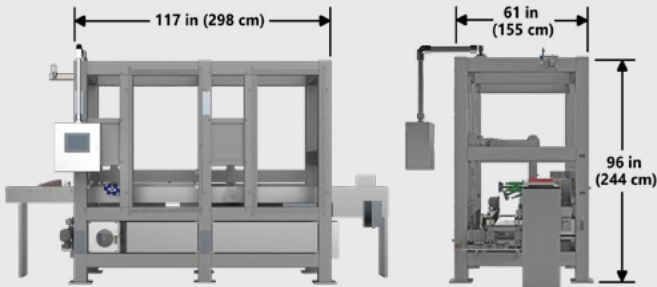
MWES designs case packing systems that meet the highest industry standards for hygiene and food safety. Our systems integrate seamlessly into FSMA-compliant production lines, ensuring sanitary, efficient, and contamination-free packaging.



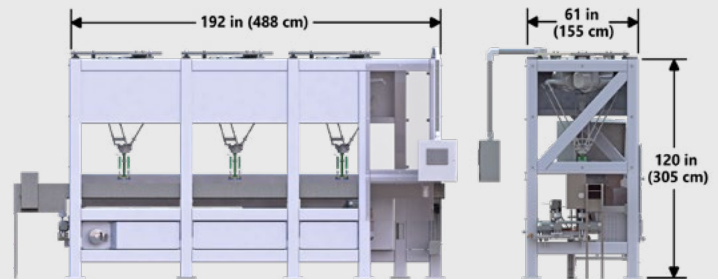
AUTOMATED CASE PACKING SOLUTIONS

Designed to fit within a compact footprint, the MWES case packing platform consists of one or more pick-and-place robots inside the enclosure.

TWO-ROBOT CASE PACKING SYSTEM



THREE-ROBOT CASE PACKING SYSTEM



TECHNICAL SPECIFICATIONS

COMPONENT	BASE SYSTEM	OPTIONS
Robot Type	Mechanical Pick & Place	Cobot, Delta, Articulated Arm, Gantry
Product Conveyor	8" wide continuous belt	12" wide, 16" wide, solid urethane, modular plastic, tensionless
Case Flow	Inline	Counterflow, Perpendicular
Robot Payload	1 kg	Up to 50 kg
End of Arm Tool (EOAT)	Vacuum	Rigid gripper, soft gripper, fork-style
Load forming	Individual Pick & Place	Row forming, layer forming
Pack Orientation	Horizontal	Vertical, interleaved, overlapping, separated layers
Robot Cycle Rate (per robot) *	30/min	Up to 100 picks/minute
Product Detection	Photosensor	2D Vision, 3D Vision, Color Sensing
Frame Construction	Formed channel, epoxy painted	304 SS, 316 SS
Safety	ISO 13849-1:2006 Cat 3, Performance Level D	
Control Enclosure	NEMA 4X	IP69K, SS NEMA 4X, Sloped Top
Product Contact Surfaces	Stainless Steel & USDA/FDA approved materials	
Product Changeover	Tool-Less	Tool-Free

WHY CHOOSE MWES FOR CASE PACKING?

- ▶ **CUSTOM-TAILORED SOLUTIONS**
Designed for your specific packages, SKUs, space constraints, and production goals.
- ▶ **USER-FRIENDLY INTERFACE**
Simple touchscreen controls allow operators to quickly select SKUs, adjust configurations, and monitor performance.
- ▶ **FAST & EASY CHANGEOVERS**
Minimize downtime and maximize flexibility with rapid changeovers for different product formats.
- ▶ **SEAMLESS INTEGRATION**
Designed to fit within your existing production environment, with user-friendly controls and minimal downtime for installation.
- ▶ **SCALABLE & FUTURE-READY**
Easily adapt to evolving market demands with modular designs and interchangeable end-of-arm tooling.
- ▶ **RELIABLE, 24/7 PERFORMANCE**
Advanced automation ensures consistent, high-speed case packing with minimal errors.

*Cycle rates are dependent on payload and reach required.



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