MWES
MIDWEST ENGINEERED SYSTEMS

AUTOMATED STORAGE & RETRIEVAL SYSTEMS (AS/RS)

SMARTER STORAGE. FASTER THROUGHPUT. LESS LABOR.

MWES designs and integrates Automated Storage & Retrieval Systems (AS/RS) that streamline material flow, minimize footprint, and improve inventory control across production, warehousing, and distribution operations. By automating the storage and retrieval of pallets, cases, totes, or trays, MWES AS/RS solutions reduce labor dependency, increase throughput, and support consistent, predictable operations.

Each system is engineered around your facility layout, product mix, throughput requirements, and future growth—delivering reliable, scalable automation built for real-world manufacturing environments.

Why Choose MWES?

◆ **Standardized Platforms with Flexibility** – Proven AS/RS architectures reduce risk and lead time, with customization available where your process demands it.

◆ **Custom-Engineered Solutions** – Every AS/RS is designed around your products, layout, and operational goals—never one-size-fits-all.

◆ **Proven Integration Expertise** – Decades of experience integrating robotics, conveyors, controls, and software into fully unified systems.

◆ **Built for Real-World Operations** – Designed for uptime, serviceability, and intuitive operation—with long-term support from MWES.

KEY FEATURES / BENEFITS :

► **MAXIMIZE VERTICAL & FLOOR SPACE**
Dense storage solutions increase capacity without expanding your footprint—ideal for space-constrained facilities.

► **IMPROVE INVENTORY ACCURACY & TRACEABILITY**
Automated tracking, precise positioning, and system integration reduce errors while improving visibility and control.

► **INCREASE THROUGHPUT & EFFICIENCY**
High-speed storage and retrieval reduce travel time, bottlenecks, and manual handling across operations.

► **REDUCE LABOR & IMPROVE SAFETY**
Automation minimizes repetitive lifting, forklift traffic, and labor dependency while improving workplace safety.

► **SCALABLE BY DESIGN**
Systems are engineered to grow with your operation—supporting future SKUs, volumes, and process changes..

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COMMON APPLICATIONS

► **PALLET STORAGE & RETRIEVAL**
Automated handling and storage of full pallets for raw materials, work-in-process, or finished goods—improving space utilization, reducing forklift traffic, and increasing inventory accuracy.

► **CASE, TOTE & TRAY STORAGE**
High-density storage solutions for cartons, totes, and trays that support high SKU-count environments and fast, accurate order fulfillment.

► **ORDER BUFFERING & SEQUENCING**
AS/RS buffers between manufacturing, packaging, and palletizing operations to balance line speeds, prevent downtime, and maintain consistent production flow.

► **COLD STORAGE & CONTROLLED ENVIRONMENTS**
Reliable automation for refrigerated, freezer, and controlled-atmosphere facilities—reducing labor exposure while maintaining performance in harsh conditions.

► **INBOUND & OUTBOUND LOGISTICS INTEGRATION**
Seamless integration with conveyors, palletizers, depalletizers, and shipping systems to automate material flow from receiving through shipping.

► **RAW MATERIAL & WIP STORAGE**
Automated storage and retrieval of pallets, racks, and containers to support just-in-time production and reduce floor congestion

► **INTEGRATED MATERIAL FLOW**
Tight integration with conveyors, robotics, AGVs, and warehouse management systems for end-to-end automation.

MWES IS YOUR PARTNER FOR SCALABLE AS/RS AUTOMATION

Partner with MWES to turn storage and material flow into a competitive advantage. Our team designs and integrates AS/RS solutions tailored to your operation—combining proven platforms, seamless system integration, and long-term support.

READY TO AUTOMATE YOUR STORAGE AND MATERIAL FLOW?

Contact MWES to discuss a custom AS/RS solution built for your operation.

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