



CASE STUDY

EPG ONE™ POWERS NEXT-LEVEL PERFORMANCE AT MISUMI USA'S AUTOMATED DISTRIBUTION CENTER



AT A GLANCE

COMPANY MISUMI	INDUSTRY Industrial Automation Manufacturing
LOCATION United States	FACILITY 14 US DCs Daifuku Systems

KEY RESULTS

Compared to the previous solution...

140,000+
Parts Managed
On-Site

20 million
Configurable
Components Tracked

80 Sextillion
Possible Configurations
Supported

100%
Visibility and
Accuracy

ABOUT MISUMI

MISUMI is a leading global manufacturer and distributor of standard and custom-engineered mechanical components for machinery and assembly automation. Serving industries such as automotive, medical equipment, consumer packaging, and semiconductors, MISUMI helps its customers accelerate every stage of the product lifecycle, from design to build to maintenance.

With a catalog of over 20 million products and an astounding 80 sextillion configurable part combinations, MISUMI delivers unmatched speed, precision, and convenience through its one-stop-shop model and rapid component engineering capabilities.

THE CHALLENGE

MISUMI's U.S. division set out to develop a state-of-the-art, highly automated distribution center (DC) in Dayton, Ohio, expanding its existing campus of three facilities. To support this next-generation DC, operations leaders needed a warehouse management system (WMS) that could deliver the flexibility, visibility, and scalability required to meet today's demands and tomorrow's growth.

MISUMI sought a WMS solution that could:

- Efficiently manage over 140,000 stocked parts available for same-day shipping
- Track and manage up to 20 million configurable components listed on MISUMI's online platform
- Support one-off, custom-designed components for specialized applications
- Provide real-time visibility into order status across the operation
- Orchestrate cross-docking of made-to-order components arriving from MISUMI's primary manufacturing hub in Asia
- Scale seamlessly alongside MISUMI's growth trajectory—adapting to new volumes, complexity, and facility expansion at their pace

"We wanted to find a proven warehouse management solution that was flexible to accommodate our forecasted growth, as well as capable of managing our highly dynamic inventory in real-time."

explained the VP of Supply Chain Management at MISUMI USA

THE EPG DIFFERENCE

At its European distribution center in Frankfurt, Germany, MISUMI had already implemented the EPG ONE™ WMS. Following the success of that rollout, MISUMI knew that partnering with EPG to implement the same system for its new facility



in Dayton, Ohio was the right move for strategic, long-term success. At the newly expanded Dayton facility, EPG ONE™ WMS manages both manual picking processes and orchestrates automated inventory putaway and retrieval through a new high-speed Daifuku system for the fastest-moving items.

"Our colleagues in Germany operate a nearly identical setup and had an outstanding experience with EPG and its WMS," the team shared. "The system's traceability features give them full visibility into made-to-order parts, which has significantly improved operational efficiency and reduced errors. They've eliminated the need for manual double-checking, enabling faster order cut-off times and higher customer satisfaction. We knew replicating that success in Dayton would bring immediate value."

THE RESULTS

EPG's team demonstrated exceptional adaptability and collaboration, working closely with the client to develop creative, resourceful solutions that kept the project on track without compromising quality. MISUMI's Dayton facility successfully went live with EPG's WMS for manual operations, followed by the seamless integration of automated Daifuku systems.

"The implementation was smooth, with very few issues, and the system has consistently delivered reliable, accurate order fulfillment every day, across both manual and automated workflows."

said the VP of Supply Chain Management

This proven combination of flexibility, reliability, and efficiency makes EPG ONE™ WMS the trusted choice for facilities aiming to optimize their operations and scale confidently into the future. With EPG ONE™ WMS, MISUMI's Dayton facility combines speed, precision, and reliability—managing vast inventory and complex custom orders with ease.

The scalable system empowers MISUMI to adapt quickly, exceed customer expectations, and remain built for what's next.

EXPLORE EPG ONE™ WMS