LD SYSTEMS

Delivering the Industry's Most Trusted Systems Integration Solutions.

CASE STUDY

Maximizing Efficiency in Honeywell's Automotive Parts Distribution Network

Honeywell's expansion within the automotive parts industry called for an optimized distribution center to keep pace with rising demand. Handling an extensive range of parts required solutions to maximize space utilization, streamline picking, and increase productivity for small-parts order fulfillment.

The Client

Honeywell, a global technology leader, serves the automotive parts industry with high-quality components and solutions. Honeywell's 200,000-square-foot distribution center needed a scalable material handling system that would efficiently support its growing product line and improve order accuracy.

Honeywell

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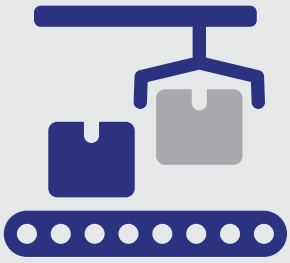
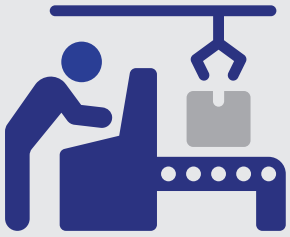
Results Snapshot



7,200 pick facings created, organized by movement and size



60%

improvement in small parts picking productivity

50% improvement in space utilization

THE CHALLENGE

As Honeywell expanded its automotive parts line, its distribution center faced challenges managing diverse product types and sizes. Limited space utilization and inefficient picking processes slowed down productivity, creating bottlenecks in order fulfillment. Honeywell needed a solution to increase picking speed and space efficiency. They engaged LD Systems to design and implement a system tailored to meet high productivity and accuracy standards.

RESULTS

LD Systems delivered an integrated solution that redefined Honeywell's layout with advanced picking zones, optimized storage, and efficient conveyor pathways. This overhaul resulted in 60% faster picking for small parts and a 50% improvement in space utilization, with 7,200 pick facings structured to maximize accessibility.

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THE SOLUTION

01

Operations Review

To pinpoint inefficiencies, LD Systems conducted an in-depth operations review. This assessment helped tailor the design to Honeywell's distribution needs, focusing on small-part handling and optimal use of available space.

02

Layout and Design

Utilizing AutoCAD, LD Systems crafted a layout that maximized space and streamlined workflows. The design incorporated narrow aisles, strategically positioned storage, and accessible pick zones, enhancing space utilization and minimizing time spent locating items.

03

Equipment Selection and Installation

High-quality equipment selected for Honeywell's specific needs was installed and configured under LD Systems' supervision. This included VNA pallet racks, pick racks for small parts, and automated conveyors for smooth item movement, all aimed at enhancing efficiency and accuracy.

04

Project Management

LD Systems managed each phase of the installation, from design to execution, ensuring Honeywell's operations experienced minimal disruption. Effective project oversight helped maintain schedules and budgets, enabling a swift transition to the new system.

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DETAILS AND EQUIPMENT

LD Systems designed an integrated system for Honeywell's 200,000-square-foot distribution center, including dedicated picking, packing, and sorting areas. The layout was customized to enhance flow and ensure efficient handling of high SKU volumes, reducing handling time and maximizing accessibility.

To increase picking speed and space utilization, LD Systems implemented advanced VNA pallet racks and shelving for small parts, creating 7,200 pick facings. This solution transformed Honeywell's operational capacity, enhancing order fulfillment accuracy and speed.

Storage Solutions and Strategy

LD Systems introduced a variety of advanced storage systems, including:

VNA Pallet Rack: Configured for high-density storage, maximizing bulk inventory capacity.

Small Parts Storage Shelving: Designed for easy access to small, frequently moved items.

Carton Flow Pick Rack: Gravity-driven racks that expedite carton movement, boosting picking speed.

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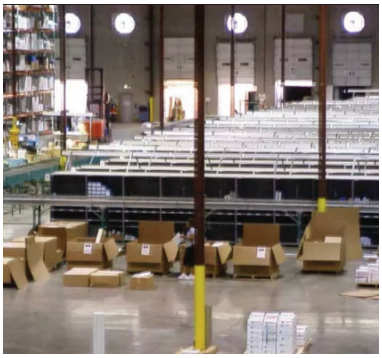
Material Handling and Conveyor Systems



A robust conveyor system supports Honeywell's efficient material handling:

Transport Conveyors: Facilitate streamlined movement between picking, packing, and shipping zones.

Accumulation Points: Optimize order flow by temporarily holding items for smooth processing.

Small Parts Sorter: Directs small items to their respective areas, reducing handling time.

Packing Stations: Strategically placed for seamless packing and shipping preparation.

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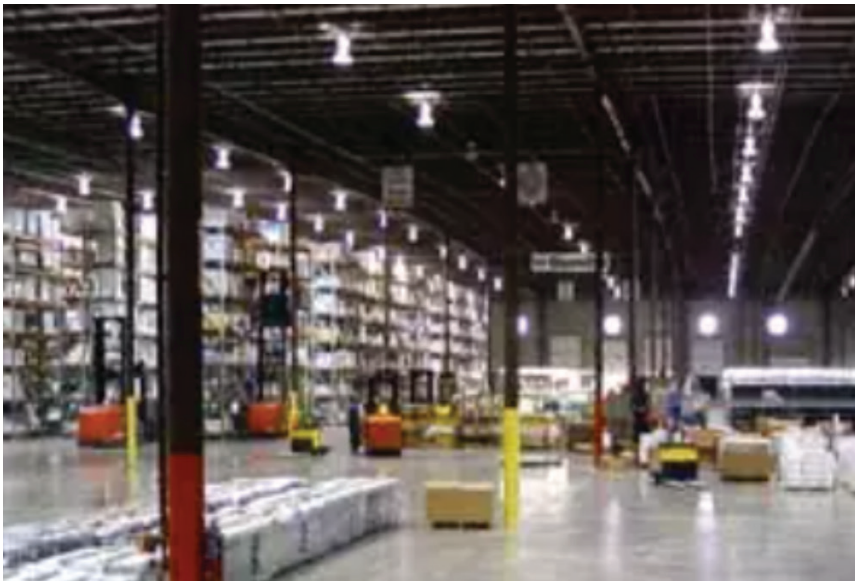

Honeywell

CONCLUSION

With LD Systems' tailored solution, Honeywell's distribution center now operates with outstanding efficiency, meeting rising demand for automotive parts. The advanced system supports high-volume throughput while optimizing space and boosting productivity.

The Results

- 7,200 pick facings created and organized by movement and size
- 60% improvement in small parts picking productivity
- 50% improvement in space utilization

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