Material Handling Automation and Warehouse Execution Systems
The pace of change in modern commerce is putting tremendous pressure on fulfillment operations. To stay competitive and protect profits, companies need solutions that help them achieve maximum throughput, day-to-day flexibility, future-proof scalability and intelligence to make informed decisions.

The Connected Distribution Center helps companies make the digital transformation necessary to increase reliability, improve utilization and maximize productivity through:

- Intelligent, data-driven, high-speed execution
- Automated, adaptable processes for machines and workers
- Optimized utilization with the ability to seamlessly adapt and expand
- Insights and predictive analytics, from sensors to the cloud
About Honeywell Intelligrated
Honeywell Intelligrated is a leading North American-based, single-source provider of intelligent automated material handling solutions that drive fulfillment productivity for retailers, manufacturers and logistics providers around the world. Through a broad portfolio of automation equipment, software, service and support, Honeywell Intelligrated solutions give businesses a competitive edge and optimize operational performance through increased flexibility, efficiency and accuracy.

Honeywell Intelligrated designs, manufactures, integrates and installs complete material handling automation solutions including conveyor, IntelliSort® sortation, Alvey® palletizers and robotics, and automated storage and retrieval systems – all managed by advanced machine controls and our robust Momentum™ warehouse execution system. Our Connected Distribution Center helps companies make the digital transformation necessary to maximize efficiencies and inform decision making via real-time visibility to assets, automated systems and workers across the enterprise.

From concept to integration to lifecycle support services, Honeywell Intelligrated delivers dependable, sustained distribution and fulfillment success, and maximum return on investment. Honeywell Intelligrated backs every project with 24X7 multilingual technical support and access to lifecycle service through a network of national, regional and local service centers.

Customer-centric Solutions
From initial concepting through ongoing service and troubleshooting, Honeywell Intelligrated provides total lifecycle support for each system to maximize performance and return on investment.

- Operational support services
- Upgrades and modifications
- System assessments
- Field service
- Maintenance
- OnTimeParts™
- IN-24X7® Technical Support
- Training
- Design and build
- Solutions development
- Project management
- Systems integration
- Engineering
- Manufacturing
- Software and controls
- Installation
- Commissioning

360° Customer Centric
Customers

Retail

adidas
CANADIAN TIRE
TARGET

Experience with more than 60 of the top 100 global retailers

Food

AIPC
Campbell's
HERSHEY'S
Wonderful citrus

Beverage

ANHEUSER BUSCH
19TH COAST
pepsi

Wholesale

McGraw Hill
Education
RANDOM HOUSE
BERTELSMANN
Shaw FLOORS
Honeywell Intelligrated develops, integrates and supports material handling solutions that meet specific business requirements across multiple industries.

E-commerce

chico’s
RadioShack
Zappos

Experience with more than 50 of the top 100 internet retailers

Consumer Packaged Goods

AVON
Kelly-Moore Paints
Lorillard
P&G

Third Party Logistics

Anderson Merchandisers
McLane
Northrop Grumman
Preferred Freezer Services

Pharmaceutical and Medical Supply

Mckesson
CooperVision
UPS
USPS

Post and Parcel
The Honeywell Intelligrated Operations and Solutions Development (OSD) team is uniquely positioned to help customers evaluate and optimize distribution, fulfillment, manufacturing and supply chain operations. Composed of experienced automation professionals, OSD provides best-in-class customer service, superior quality designs and efficient operating strategies.

Employing a proven process approach and analytical methodology, this specialized team provides consultative services to evaluate customer operations and process flows. OSD analyzes comprehensive four-wall and network data, internal operational data drivers and external supply chain factors to identify continual improvement opportunities and provide data-driven recommendations. Honeywell Intelligrated tailors solution designs to unique customer requirements in order to maximize return on investment and provide competitive advantages to meet current and future supply chain challenges. Services include:

**Operational Support Services**
- Operational assessments
- Start-up and peak operational support
- Operational mentoring and coaching
- Process and solution-based simulations

**Design and Build Services**
- Operational evaluation and data analysis
- Material flow and process flow identification
- Facility design
- Technology assessment
- Solution design
- Software functionality evaluation
- Integration assessment and identification
- Labor modeling
- Business case development and investment modeling
- Simulation modeling
- Implementation and execution planning
“The professional design and implementation skills demonstrated by Honeywell Intelligrated were critical to the overall success of the project.”

— Dave Wolfe, Senior Vice President, TransTech Consulting, Inc.

**Systems Integration**

Honeywell Intelligrated designs, manufactures, integrates and installs complete material handling solutions using the right mix of automation, software and labor for optimized productivity. Honeywell Intelligrated engineering and project management teams understand the demands placed upon distribution and fulfillment operations and work with each customer to develop implementation, milestones and collaboration plans focused on timely, on-budget, successful implementations. With more than 15 engineering locations, 850,000 square feet of manufacturing space and a reputation for excellent project execution, Honeywell Intelligrated offers end-to-end system integration services from initial project design and management through installation, commissioning and training.
**Case, Tote and Polybag Conveyor**

Honeywell Intelligrated solves the most demanding material handling throughput challenges with an extensive variety of conveyor equipment, software and controls ready for integration in today’s most sophisticated automated material handling systems.

Accumulating, transporting, diverting, metering and merging solutions from Honeywell Intelligrated offer flexible options for case, tote and polybag handling.

Forward-thinking designs and quality manufacturing meet industry demand for high throughput, ease of maintenance and reliable operation to ensure maximum ROI on each equipment investment.

**Pallet Conveyor Systems**

Honeywell Intelligrated offers a full line of standard and custom-designed pallet conveyor systems to meet the transportation and accumulation needs of manufacturing, warehousing and distribution operations.

Turntables and transfers ensure proper load orientation and smooth, stable redirection of pallet flow.

Available as stand-alone equipment or in fully integrated material handling systems, pallet conveyor systems deliver performance, durability and reliability while handling a wide range of conventional and specialty pallets.

**Vertical Conveyor**

Honeywell Intelligrated offers single-direction indexing and multi-directional reciprocating vertical conveyor equipment to transport totes and cartons in a compact footprint. Vertical solutions offer the flexibility to accommodate operational requirements through a range of configurations with varying input and discharge heights.

Compact designs, efficient timing belt technology and optimized cycle times enable maximum throughput and years of reliable, low-maintenance operation.

**Conveyor and Sortation Control**

InControlWare® software blends conveyor and sortation machine control, operator interface, system diagnostics, maintenance tools and host interfaces into a single system. The control system delivers user tools organized in three functional capabilities to monitor, control and support systems for peak operational performance.
Sortation Systems

With more than 100 years of experience and thousands of installations, industry-leading IntelliSort sortation systems are mission-critical components of today’s most efficient automated material handling systems.

Honeywell Intelligrated sortation technology can accommodate virtually any product size, shape and capacity requirement with high-throughput, low-maintenance sortation. Experienced engineering teams analyze each application to develop a best-fit sortation solution.

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“The sorter is so quiet that I can stand next to it and still have a cell phone conversation.”

— Doug Pace, General Manager, McKesson
Palletizers and Depalletizers

Honeywell Intelligrated’s Alvey palletizers and depalletizers are vital components of thousands of automated receiving and end-of-line packaging operations for manufacturers and distributors.

Honeywell Intelligrated has more than 60 years of experience providing palletizing solutions with industry-leading speed, flexibility and dependability for 24X7 operations.
“The benefits we’ve received from the new Alvey palletizer have been remarkable. Honeywell Intelligrated’s Alvey palletizer truly is a stout machine that will carry Boulevard into the next 20 years of our business, and beyond.”

— Mike Utz, Plant Engineer, Boulevard Brewing

Robotic Solutions

Honeywell Intelligrated is a single-source, RIA-certified robot integrator with more than 25 years of robotic material handling experience, offering complete solutions for applications in manufacturing, warehousing and distribution.

Honeywell Intelligrated offers system concepting, fabrication and integration, installation and commissioning, training and ongoing support. Scalable solutions offer product handling flexibility, consistent around-the-clock productivity and seamless integration with existing material handling systems.
“The new system from Honeywell Intelligrated really cut down cycle time. We can drop an order down to the floor, have it processed and into the truck in minutes.”

— Mike Utz, Plant Engineer, Boulevard Brewing

Automated Storage and Retrieval Systems (AS/RS)
The highly flexible and efficient Honeywell Intelligrated one-level shuttle (OLS) system provides quick access to cartons, totes and trays. Ideal for high-volume distribution, fulfillment and manufacturing operations with high turn inventory storage and short order cycle times, the Honeywell Intelligrated OLS system handles the widest variety of product types and largest carton sizes.

Typical applications include goods-to-operator order fulfillment, just-in-time inventory management, as well as product sequencing and buffering to support mixed unit load, full-case and break-pack order fulfillment, order consolidation and route-based delivery.

Fulfillment Technologies
Whether shipping direct-to-consumer, replenishing stores, or some combination of the two, Honeywell Intelligrated offers an ideal mix of material flow and picking technologies for each fulfillment scenario.

Adaptive systems combine warehouse control and fulfillment methodologies to increase operational efficiency, labor productivity and customer satisfaction. Honeywell Intelligrated couples intelligent software and robust hardware to enable a broad range of order fulfillment technologies.

RF Picking Systems
Pick-to-light Systems
Put Systems
Mobile Cart Picking Systems
Voice Picking Systems
Momentum™ Warehouse Execution System

Momentum is a feature-rich warehouse execution system (WES) designed to greatly simplify e-commerce fulfillment, store replenishment and wholesale distribution center operations. The growing complexities of modern fulfillment requirements are placing continuous pressure on retailers to maintain customer service levels and protect profit margins. As delivery expectations rise and fulfillment windows get shorter, businesses must look for ways to improve efficiencies, automate manual processes and optimize fulfillment operations.

That’s why Honeywell Intelligrated took a clean-sheet approach to the development of Momentum. Purpose-built to realize the full promise of a WES, Momentum is based on a unified, single-software platform that incorporates an ever-expanding list of functional modules into a common code base. With Momentum, the days of unsupportable, one-off customizations are replaced by scalable configurations and predictable upgrade paths.

Through the seamless integration of sensors, controls, automation, orders and labor, Momentum connects DC workflows to provide operators real-time order fulfillment status and visibility to in-process work. Not only can Momentum run, coordinate and manage fulfillment operations, it also equips businesses with the intelligence to make informed decisions based on historic and real-time data.

Momentum benefits:

- Increased fulfillment flexibility
- Improved equipment and space utilization
- Increased throughput and labor productivity
- On-time shipments with improved order accuracy
- Reduced labor costs and requirements
- Shortened cycle times and faster deliveries
- Fewer customer returns and complaints
Honeywell Intelligrated Lifecycle Support Services (LSS) take a consultative approach to lifecycle management, delivering proactive, value-added solutions that reduce the risk of downtime and increase system availability, longevity and dependability. The LSS team offers all the services, parts and support needed to keep systems running at peak efficiency. Through ongoing collaboration, we serve as a strategic partner to maximize your return on system investment.

Our comprehensive lifecycle management programs are designed to increase throughput, reduce operational labor and optimize system performance by focusing on these critical areas: technology upgrades, equipment modifications, maintenance programs, system assessments, spare parts and inventory strategies. By capturing historical data about system health, we’re able to analyze trends and be proactive about asset management and maintenance.

Comprised of a dedicated LSS team of more than 500 employees deployed in a national service network, we’re equipped to provide 24/7/365 support and make strategic recommendations that help you achieve your operational objectives. LSS ensures the optimal performance of automated systems and software through the following services:

- Assessments
- Parts
- Modifications and upgrades
- Field service
- Training
- Technical support
Assessments
Regardless of system maturity, assessments are critical for any successful lifecycle management program. They help companies proactively evaluate overall system performance and health risks to prevent issues and preserve system uptime. Our expert assessment team deploys a field-tested approach to gauge operational performance and conditions against established benchmarks. Upon conclusion, we provide a detailed assessment report — complete with estimates for all recommended repairs, replacements and upgrades.

Modifications and Upgrades
LSS works with our customers to provide a variety of cost-effective modifications and upgrades. These critical projects are managed by our team of expert engineers and project managers who make recommendations based on each customer’s operational objectives. Modification and upgrade projects help companies reconcile obsolescence and provide modern enhancements to deliver increased system capacity, flexibility and longevity.

Field Service
The LSS field service team is built to provide fast, effective responses to a wide spectrum of customer concerns — from system startups, assessments and equipment servicing to emergency responses, predictive maintenance and in-house staff support. Field service ensures maximum system utilization, extended life of equipment and minimized maintenance costs through a robust support infrastructure, including: multiple regional locations, centralized control and dispatch, and 500 OEM-trained staff members.

Training
From on-site instruction to our state-of-the-art, in-house and online learning centers, LSS provides an abundance of training options from OSHA-authorized and PMMI-certified instructors designed to equip your operations and maintenance crews with safety, system operation, maintenance and troubleshooting expertise. The reporting function of the ICampus online portal helps managers ensure that employees have completed the required training and will dispatch the appropriate staff member to work on specific issues.

Technical Support
Regardless of your specific organizational needs, LSS offers a full spectrum of technical support tiers to protect your infrastructure and provide the desired level of issue escalation. Our premium tier services are designed for customers who require 24/7/365 operational support assurance and the highest prioritization of issue resolution. This program gives remote access to a dedicated, U.S.-based team of expert LSS service engineers who troubleshoot issues and prioritize resolution schedules for maximum system uptime and reliability. For assistance, call 877.315.3400.

Parts
LSS customers have access to the material handling industry’s most robust parts warehouse and distribution network. We also provide live parts support from experienced field specialists — for everything from building a spare parts inventory to expediting critical spares for emergency repair.

TechSight
TechSight is a robust augmented reality solution that uses smart glasses to enable remote video collaboration between your technicians and our expert service team for fast diagnosis and troubleshooting of critical issues. With TechSight, our support team can see exactly what your maintenance crews are dealing with in real time, eliminating both the communication limitations of a standard telephone call and the safety concerns with handheld devices.