Material Handling Automation and Warehouse Execution Systems
The Connected Distribution Center

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

Food
- AIPC
- Campbell's
- Hershey's
- Wonderful Citrus

Beverage
- Anheuser-Busch
- First Coast
- Pepsi

Wholesale
- McGraw Hill Education
- Random House Bertelsmann
- Shaw Floors

Experience with more than 60 of the top 100 global retailers
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
- United States Postal Service
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.
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.

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.

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.

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

— Doug Pace, General Manager, McKesson

**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.
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.
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
Lifecycle Support Services

Honeywell Intelligrated Lifecycle Support Services provides all the services, parts and support needed to keep systems running at peak efficiency. Staffed with a network of Honeywell Intelligrated professional Lifecycle Support Services specialists, multilingual customer service is accessible 24X7 with a single number to call: +1 877.315.3400.

- 24X7 technical support
- Field service
- Resident maintenance services
- Technology repair services
- Technical support agreements
- Dashboard™ documentation and incident tracking
- CMMS solutions
- System and maintenance training
- Equipment and system assessments
- Obsolescence planning
- Upgrades and modifications
- Risk assessments
- Warranty administration
- OnTimeParts™ genuine OEM spare and replacement parts
- Live part assistance and ordering
From initial concepting through ongoing service and troubleshooting, Honeywell Intelligrated provides total lifecycle support for each system to maximize performance and return on investment.

24X7 Technical Support

IN-24X7® Technical Support connects customers to Honeywell Intelligrated’s experienced service team equipped with remote access to troubleshoot, identify and respond to issues with proven support solutions. Call day or night, weekdays or weekends – even holidays – to directly connect with a knowledgeable Honeywell Intelligrated customer service engineer. Customers can also receive assistance with parts, field service, assessments, training, upgrades and modifications. IN-24X7 Technical Support includes:

- System and maintenance training
- Equipment and system assessments
- Obsolescence planning
- Upgrades and modifications

Upgrades and Modifications

Modernizations, modifications and upgrades revitalize equipment by replacing obsolete and worn parts while extending functionality and increasing performance. Upgrades and modifications add years to the operational life expectancy of a system and increase ROI, capacity, throughput and uptime. Honeywell Intelligrated offers upgrades and modifications for:

- Conveyors
- Sortation systems
- Order fulfillment systems
- Palletizers
- Robotics
- Software and controls

Field Services

Mission-critical material handling systems can rely on the Honeywell Intelligrated field service team that encompasses engineers, technicians and specialized experts, 24X7 multilingual technical support, and access to lifecycle support through a network of national, regional and local service centers. From system start-up, equipment service and emergency response to assessments, predictive maintenance or in-house staff support, Honeywell Intelligrated field services offer comprehensive programs to maximize system utilization, extend equipment life and minimize maintenance costs through customer-centric support services.

- Repairs and troubleshooting
- Computerized maintenance management system (CMMS)
- Standby support
- Resident maintenance services
- Preventive maintenance services