



MATERIAL HANDLING AUTOMATION AND WAREHOUSE EXECUTION SYSTEM SOFTWARE

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

Through a broad portfolio of automation equipment, software, service and support, Honeywell solutions optimize distribution and fulfillment processes, increase efficiency, and give businesses a competitive edge.

ABOUT HONEYWELL

Honeywell is a leading single-source provider of intelligent automated material handling solutions that drive fulfillment productivity for retailers, manufacturers and logistics providers around the world. We leverage the global expertise and product breadth of the Intelligranted brand to deliver turnkey, exceptional experiences for our customers. Through a broad portfolio of automation equipment, software, service and support, Honeywell solutions give businesses a competitive edge and optimize operational performance through increased flexibility, efficiency and accuracy.

Honeywell designs, manufactures, integrates and installs complete material handling automation solutions, including conveyor, IntelliSort® sortation, Honeywell Robotics, Alvey® palletizers, Honeywell Voice, and automated storage and retrieval systems (AS/RS) — all empowered by Momentum, our robust software suite of products. The 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 services, Honeywell delivers dependable, sustained distribution and fulfillment success, and maximum return on investment. Honeywell backs every project with 24X7 multilingual technical support and access to lifecycle service through a network of global, regional and local service centers.

CUSTOMER-CENTRIC SOLUTIONS

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

Honeywell

AUTOMATION SOLUTIONS

CASE, TOTE AND POLYBAG CONVEYOR

Honeywell 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 — in both imperial and metric standards.

Accumulating, transporting, diverting, metering and merging solutions from Honeywell 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.

VERTICAL CONVEYOR

Honeywell 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

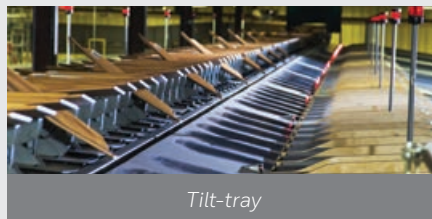
Momentum Machine Control (MC4) is Honeywell's next-gen conveyor and sortation control offering. MC4 allows for greater stability and faster implementation, while managing general conveyor control, sortation, merges and gap optimization. MC4 also comes with diagnostic and calibration tools, so you get more of the critical data you need to optimize and troubleshoot your operation.



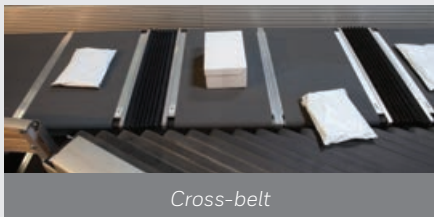
Accumulation conveyor



Sliding shoe



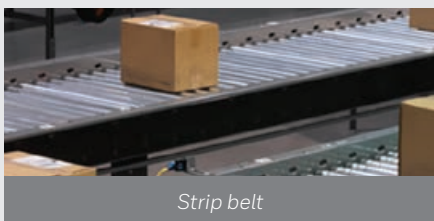
Tilt-tray



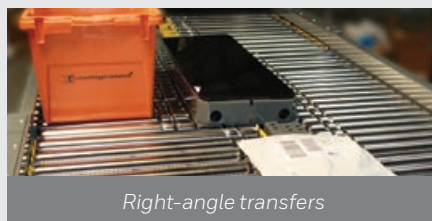
Cross-belt



Wheel divert



Strip belt



Right-angle transfers



Sweeper sorter

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 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.



ROBOTIC SOLUTIONS

Scalable robotic solutions increasingly deliver significant competitive advantages to modern distribution centers (DCs). By leveraging advanced robotic technology with extensive material handling experience, warehouse automation solutions from Honeywell Robotics provide the speed, accuracy and efficiency to satisfy a broad and growing range of operational requirements.

Innovative designs, application expertise and committed support ensure maximum dependability and round-the-clock productivity. Robotic solutions also relieve workers of some of the most arduous, repetitive and injury-prone tasks, freeing up limited labor for more rewarding, higher-value jobs.

Honeywell is recognized by the Robotic Industries Association (RIA) as a Certified Robot Integrator, with more than a quarter-century of experience providing single-source robotic solutions for high-performance distribution and manufacturing operations. From system concepting, simulation, fabrication and integration to installation and commissioning, training and ongoing support, each solution is approached with a comprehensive lifecycle view to maximize the value of your system. Honeywell's robotics solutions include:

- Robotic unloading
- Each picking
- Robotic sorter induction
- Mobile robotics

VOICE PICKING SOLUTIONS

Whether picking products, repairing equipment, or learning a new job, associates often have their hands full of scanners, devices, checklists, procedures and other impediments to look at — instead of focusing on the task at hand. With Honeywell Voice, their hands and eyes are freed, letting them work more safely, efficiently and accurately. The results? More than 30 percent productivity gains, accuracy rates up to 99.99 percent, and a safer, more satisfied workforce with higher retention rates.

Regardless of your operation's size, fulfillment requirements or business objectives, Honeywell Voice adapts to deliver the many benefits of voice-guided workflows and mobile process automation. There's a reason we're the most-used voice solution in the industry — in the most countries, most languages and most extreme conditions. Simply put: our voice solutions just work.

AUTOMATED STORAGE AND RETRIEVAL SYSTEMS

The highly flexible and efficient Honeywell 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 OLS system handles the widest variety of product types and largest carton sizes.

Typical applications include goods-to-operator (GTO) 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 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 couples intelligent software and robust hardware to enable a broad range of order fulfillment technologies. Honeywell's fulfillment technologies include:

- RF picking systems
- Pick-to-light (PTL) systems
- Put systems
- Mobile cart picking systems
- Voice picking systems



AS/RS

LIFECYCLE SUPPORT SERVICES

Honeywell Lifecycle Support Services are organized around reliability, safety and efficiency, with all the services, parts and support necessary for peak efficiency and maximum return on system investments. An ongoing, consultative approach drives comprehensive lifecycle management solutions, covering equipment condition, obsolescence, safety, technician capability and maintenance programs. The organization uses system-level data to analyze trends and guide a variety of proactive asset management and maintenance solutions, including technology upgrades, system assessments and modifications, spare parts and parts inventory strategies.

Comprised of a dedicated LSS team of more than 500 employees deployed in a global 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.

SOFTWARE SOLUTIONS

MOMENTUM WAREHOUSE AUTOMATION SOFTWARE

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.

Enter Momentum automation software from Honeywell. Momentum is much more than an advanced warehouse execution system (WES). It is a powerful software suite designed to greatly simplify e-commerce fulfillment in DCs, e-fulfillment in retail stores and traditional store replenishment operations. Built with a technological infrastructure that enables seamless scalability, future-proof flexibility, and the data-driven intelligence to enable real-time optimization, Momentum helps retailers meet next- and same-day delivery expectations — all while achieving peak levels of productivity, efficiency and end-to-end DC performance.

Momentum gives companies a strong foundation for continuous growth that won't crumble under the weight of e-commerce pressures. Whether you need to maximize the utilization of existing DC resources, introduce new robotics and/or warehouse automation systems, or add new facilities to a fulfillment network, Momentum is architected to grow in step with changing customer demands and business requirements.



750+
customers worldwide

60
of the top 100 global retailers

50
of the top internet retailers

22
of the top 50 CPG companies

34
of the top 100 food & beverage companies

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THE
FUTURE
IS
WHAT
WE
MAKE IT

Honeywell