

# AUTOMATED STORAGE AND RETRIEVAL SYSTEMS

**Honeywell**  
*Intelligent*

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# HONEYWELL INTELLIGRATED AS/RS SOLUTIONS

Honeywell Intelligrated provides automated storage and retrieval systems (AS/RS) to increase throughput and efficiency while reducing labor requirements and storage footprints. The widest range of load handlers and storage configurations provides scalability to accommodate increased transactional and storage demand, and the flexibility to provide the most efficient, high-performance solutions tailored to unique demands. Single-source integrated systems reduce overall project risk and are backed with robust 24X7 after-sales service and support to ensure maximum uptime, durability and return on investment.

## LAYOUT FLEXIBILITY TO BUILD UP, NOT OUT

Growing inventories, the rising cost of land and other pressures push operations to make the most efficient use of available space. That means using a facility's total cubic volume to increase storage density.

AS/RS solutions from Honeywell Intelligrated offer a comprehensive range of racking and shuttle technologies to accommodate even the most demanding space constraints.

## SINGLE-SOURCE ACCOUNTABILITY, DECADES OF INTEGRATION EXPERTISE

Honeywell Intelligrated leverages deep experience designing and implementing automated systems to seamlessly integrate with AS/RS as part of comprehensive distribution, fulfillment and manufacturing solutions. With an extensive lineup of technology available in-house, including picking technologies, conveyor, sortation and robotics, Honeywell Intelligrated is able to solve the toughest challenges and make the most of auxiliary systems or optimize greenfield projects.

## MEET EVERY STORAGE REQUIREMENT

Honeywell Intelligrated AS/RS solutions offer the flexibility and speed for every application, from e-commerce fulfillment to grocery distribution to manufacturing and everything in between.

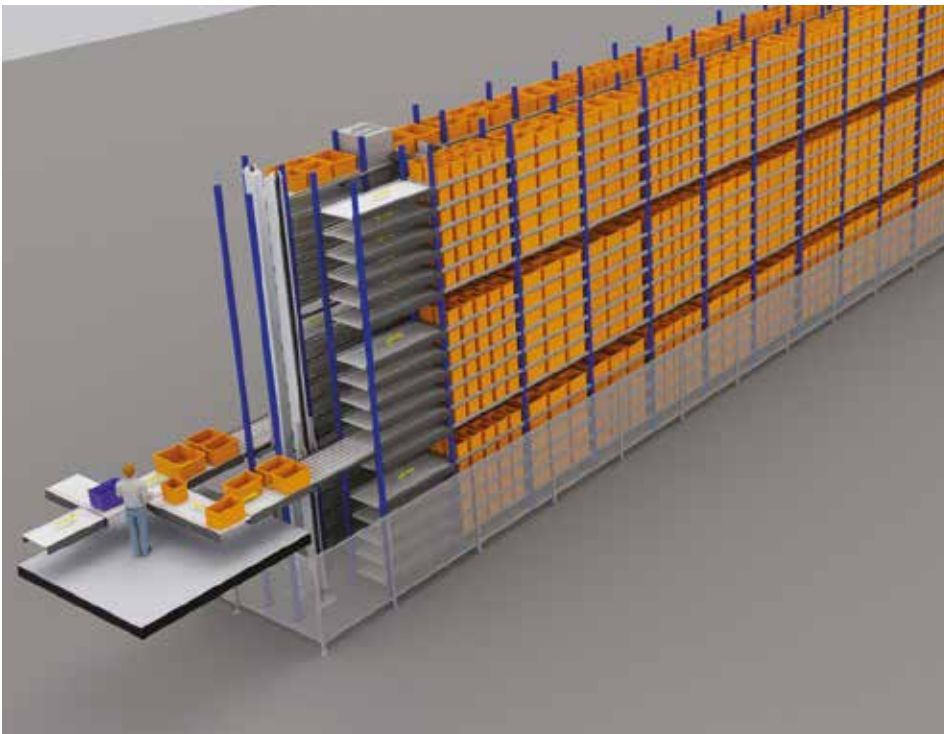
- Goods-to-operator/robot order fulfillment
- Mixed-load, full-case and break-pack order fulfillment
- Product sequencing and buffering
- Route-based delivery sequencing
- Returns processing
- Manufacturing kitting
- Temporary storage of components
- Auto-replenishment of pick modules



### **ONE-LEVEL SHUTTLE (OLS) SYSTEM**

The Honeywell Intelligated OLS provides quick access to cartons, totes and trays, ideal for operations with high-turn inventory storage and short order cycle times. A shuttle can serve a dedicated level for maximum throughput, or use a shuttle lift to access multiple levels for increased flexibility.

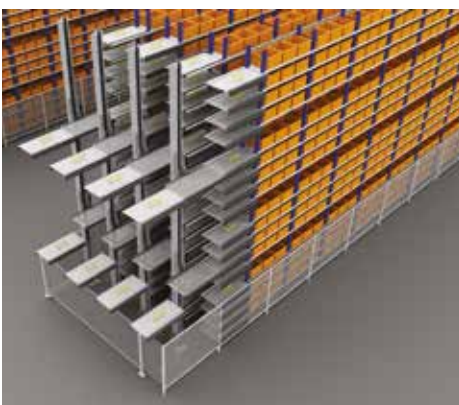
- Offers a range of load handlers to accommodate the widest variety of tote types and carton sizes
- Stores and retrieves items from single, double, triple and quadruple-deep storage
- Provides low energy consumption through run-on-demand and lightweight design



### **HIGH-VOLUME SINGLE AISLE SHUTTLE (HVSAS) SYSTEM**

The Honeywell Intelligated HVSAS is a single-aisle, self-contained system with shuttle equipment, controls and software integrated to increase throughput and product release precision. The system provides quick access to inventory necessary for efficient e-commerce fulfillment.

- Includes 350-foot storage aisle with two lifts and one goods-to-operator workstation
- Offers variations for tote sizes, storage depth, aisle additions, put walls and multi-SKU totes
- Simplifies accountability and reduces project risk via single-source accountability for entire solution



### **HIGH-VOLUME BUFFER SHUTTLE (HVBS) SYSTEM**

The Honeywell Intelligated HVBS is a comprehensive, highly efficient case buffering system designed to keep shipping, receiving and other downstream processes running smoothly. The system uses multiple aisles in close proximity to provide high storage density and serve quick-turn inventory storage and high-throughput operations.

- Includes two or three aisles able to perform independently for increased throughput
- Handles both cases and totes
- Offers flexibility to process both inbound and outbound loads in a bi-directional system

## SOLUTIONS OVERVIEW

Intelligent automated material handling solutions from Honeywell Intelligated optimize processes, increase efficiency, and give businesses a competitive edge. Honeywell Intelligated designs, manufactures, integrates and installs complete warehouse automation and software solutions, including:

- Warehouse execution systems
- Honeywell Robotics
- Fulfillment technologies
- Voice solutions
- InControlWare® machine controls
- IntelliSort® sortation systems
- Conveyor and pallet conveyor systems
- Alvey® palletizers
- Automated storage and retrieval solutions (AS/RS)
- Labor management software
- IN-24X7® Technical Support

## THE CONNECTED DISTRIBUTION CENTER

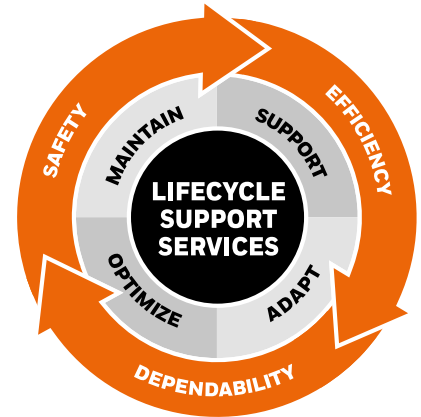
The pace of change in modern commerce is putting tremendous pressure on fulfillment operations. To stay competitive and protect profits, companies need solutions that help them achieve maximum throughput, day-to-day flexibility, future-proof scalability and intelligence to make informed decisions.

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

## LIFECYCLE SUPPORT SERVICES

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



## Honeywell Intelligated

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