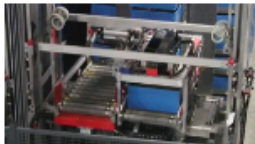# C-AS/RS
Automated Storage Retrieval System

The **C**-AS/RS, "Carousel - Automated Storage and Retrieval System", delivers high density storage along with labor savings "goods to man" operations, and does this without the large budget. Workstation(s) receive totes and cases for order picking, consolidation or replenishment, and because of the **C**-AS/RS's design, in a very effecient manner. The workstation operator then has a line of available totes filled with inventory in their queue which they can quickly pick and place according to the integrated pick to light system.

The main driving principle to the **C**-AS/RS system is bringing the goods right to the operator, which eliminates wasted walking and searching time during the picking process. Space permitting, up to three carousels can be "stacked" yielding increased storage density. The **C**-AS/RS system methodology eliminates wasted idle time by removing the need for cranes running up and down long aisles. Rather the **C**-AS/RS system's dual order platform picks from an active pre-positioned carousel, and since each carousel pre-positions while not being used, the **C**-AS/RS system is either picking or replenishing product inventory. Other ASRS technologies don't leverage this kind of automation.

Provides up to 85% space savings

The **C**-AS/RS system provides up to 85% of space savings when compared to other fully automated systems. In the **C**-AS/RS system every carousel has shelves with three inch adjustability (with an option for smaller increments) and every shelf within a bin can be set and adjusted to optimize the space in minutes. This ability to uniquely adjust the storage spacing provides high density storage, and also flexibility to change applications and inventory mix in the future without system degradation.

Some Benefits of the C-AS/RS Automated Storage and Retrieval System Include:

- Fast Return on Investment (ROI) due to cost effectiveness
- System can be lengthened or shortened as needed yielding 100% flexibility
- Labor free automated operations
- Designed to support most carton or tote types
- Fast and easy use - Intuitive design
- Saves up to 85% of existing floor space
- Reduces labor by up to 2/3
- Improves flow and accessibility
- Non-proprietary component emphasis promotes easy maintenance

C-AS/RS system can deliver 480 to 1440 transactions per hour!

The dual platform **C**-AS/RS system is capable of doing up to eight transactions per minute. The carousels rotate up to 110 feet per minute. Multiple tiers of carousels and **C**-AS/RS are often used to create a total system capable of tremendous throughput numbers. Likewise, advanced slotting algorithms help assure that inventory is properly organized within the carousels to reduce bin and carousel movement.

The C-AS/RS (Automated Storage and Retrieval System) is designed to deliver a Fast ROI

Due to the cost effectiveness of the **C**-AS/RS and horizontal carousel system, Sapient can often design a system which meets and exceeds organizations throughput requirements while providing a lower acquisition cost. By eliminating labor, wasted floor space while increasing throughput and accuracy. The **C**-AS/RS (Automated Storage and Retrieval System) is a smart choice.

C-AS/RS Features

The C-AS/RS (Automated Storage and Retrieval System) offers many Features and Benefits including:

- Fast Return on Investment (ROI) due to cost effectiveness
- System can be lengthened or shortened as needed yielding 100% flexibility
- Labor free automated operations
- Designed to support most carton or tote types
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C-AS/RS Applications

C-AS/RS (Automated Storage and Retrieval System) has applications across industries. Here are just a few:

Applications Include

- Order Picking and Fulfillment
- Buffering Inventory for Manufacturing
- Order Consolidation
- Feeding Production Lines
- Returns and Reverse Logistics
- Kitting
- High Density Storage
- Work in Process
- Sorting and Staging
- Quarantined Items
- Receiving Buffer Storage

The new C-AS/RS (Automated Storage and Retrieval System) from sapient Automation efficiently delivers totes, boxes and cases to one or more high-speed order picking workstations in support of a wide range of order handling applications in operations.

C-AS/RS Specifications

Specifications

The **C**-AS/RS (Automated Storage and Retrieval System) standard model specifications are listed below. Please call or email for detailed specifications and information.

C-AS/RS Standard Model Specifications:		
System:		
Transactions/One Unit:	up to 480/per hour	
Transactions/Three Units:	up to 1440/per hour	
Quantity of SKUs/positions:	Unlimited based on available height and depth of available floor space/throughput	
SKU/Inventory Positions:	**Imperial**	**Metric**
Maximum Width:	36"	914 mm
Maximum Depth:	36"	914 mm
Maximum Height:	36"	914 mm
Maximum Weight:	200 lbs.	90.72 kg
* All specifications are nominal and subject to change without notice. ** Consult Sapient Automation for full range of standard and special sizes available.		

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