



# AS/RS

# AUTOMATED STORAGE AND RETRIEVAL SYSTEMS

INFORMATIONAL BROCHURE



# Reduce Labor & Increase Capacity with Automated Storage & Retrieval Systems

Automated Storage and Retrieval Systems, also known as ASRS, have the ability to sort, sequence, buffer, and store a wide range of goods into virtually unlimited destinations.

Common applications for an ASRS include goods to person picking, dynamic replenishment, sequence buffering, order fulfillment, work in process storage, and finished goods storage. Utilizing AS/RS increases throughput and efficiency, saves space and reduces building costs. low maintenance, and rugged operation.

## Benefits of AS/RS:



*High throughput and small footprint*



*Increased per capita productivity*



*24/7 Operation capability*



*Less damage to inventory*

Steel King AS/RS Racking is PE Engineered and designed to your project specifications and requirements. The racking is fully integrated into the overall AS/RS system, as we partner with the crane manufacturer to provide the highest quality product and service.



## Racking for Unit Load and Mini-Load systems

Unit Load systems are large and usually palletized storage systems that can be designed from single deep to multi-deep Steel King racking structures. Unit Load systems are designed to the FEM 9.831 tolerance requirements.

Mini Load systems are smaller and are designed to hold trays, containers, or totes for individual selection of items within the racking system and storage of individual items. Mini-Load systems are designed to the FEM 9.832 tolerance requirements. The lack of a front column saves horizontal space normally lost to rack structure and allows for easy access.

- > Inventor and CAD design engineering services done in-house by PE Engineers completely detail the entire structure to fit the system standards and requirements.
- > Turnkey Installation for the most efficient project completion
- > Free Standing Systems - Rack-supported Buildings
- > Steel King AS/RS racking can be built to support over 120ft high rack structures.
- > Project Management for customers as Steel King accepts 100% project responsibility and supervision.
- > Coordinated design with other subcontractors to help minimize overall project costs.

With an new AS/RS system, Steel King can provide you with experience in integration, crane-interface, and a history of customer satisfaction.

# Rack Supported Buildings

- › Steel King rack-supported buildings are structures where the racking also serves as the framing for the building.
- › We can design the buildings to support over 120ft high AS/RS rack systems.
- › Rack-supported buildings allow for maximum space utilization allowing for high density automated storage in least amount of space possible.



*Increase the speed and precision of your material handling needs by going with a state-of-the-art automated storage system with the highest quality racking in the industry.*





## Rack and Systems

The ultimate in design and execution, customized for your space and requirements. Built tough, forklift-friendly, and ready to store any inventory.

- > Pallet Racks
- > Cantilever Racks
- > Drive-In / Drive-Through Racks
- > Flow Rack / Pushback Racks
- > Pick Module Racks
- > Specialty Racks
- > AS/RS and Automation Racking
- > Portable Racks
- > Custom Shipping Racks
- > Support Structures / Work Platforms

## Safety Products

Steel King's safety products extend the life of your facility and have been setting industry standards in safety, protecting your people, product, and plant.

- > Guard Rails
- > Safety Gates
- > Pallet Load Stops and Supports
- > Lift-Out Rails
- > Rub Rails

*If you have any further questions, contact your local Steel King Representative for customer assistance or contact Steel King Industries directly at (800) 826-0203.*

Scan to learn about our complete solutions and why our products are BUILT TO LAST.



## Containers

Steel King manufactures a full line of industrial storage containers for heavy-duty stackable storage, scrap handling, line assembly dispensary, parts distribution, and other uses. We offer essential, industry-standard designs as well as fully-custom containers suited to your storage requirements.

- > Transportable Containers
- > Bulk Containers
- > Collapsible Containers
- > Work in Progress (WIP) Containers
- > Steel Pallets



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