



AS/RS

Automated Storage and Retrieval Systems



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Steel King

*Innovation, quality,
integrity...*

exceptional engineered design and expert manufacturing right here in the United States of America – Steel King sets the standard.

Reduce labor, increase capacity

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.

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.



Steel King provides 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.



Rack Supported Buildings

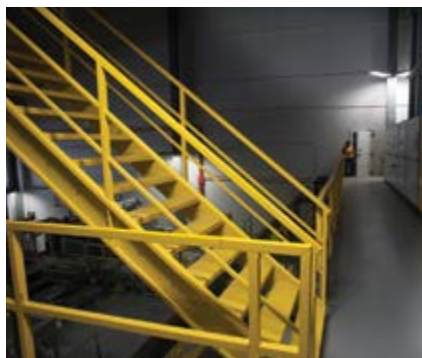
- Steel King rack-supported buildings are structures where the racking also serves as the framing for the building.
- We can design the buildings to support over 120ft high AS/RS rack systems.
- Rack-supported buildings allow for maximum space utilization allowing for high density automated storage in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



- 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.

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.



Why Choose Steel King?

Industry Leadership – With our state-of-the-art facilities and active participation in the associations that develop the national specifications for quality and safety, we lead the way with our uncompromising dedication to engineering and manufacturing excellence.

Expertise and Versatility – Our in-house engineering and drafting staff has decades of experience designing thousands of rack systems, which means we can custom engineer a solution for any storage challenge and ensure efficient space utilization.

Quality and Safety – Steel King is committed to providing customers with the highest quality and safest products possible. Our structural engineers design our products to strictly conform to industry design codes to ensure product and worker safety. Steel King facilities and processes are tested and fabricator licenses are approved for the City of Los Angeles and the City of Phoenix.

Durability – Made with the highest quality materials available, Steel King products are built to last. We design them to better resist the daily rigors of your environment, which means they last longer, require less maintenance and provide greater safety.

Single Source Responsibility – Our wide breadth of product offerings allows us single-source responsibility that ensures both cost and quality control.

Welder Certification – Our welders are trained and qualified to American Welding Society (AWS) D1.1 and D1.3 standards. We also have an in-house Certified Welding Inspector (CWI).

**We are a “one-stop shop”
for all your storage needs.**



Dynamic Storage



Pallet Rack



Rack Storage Systems

Steel King has been delivering customized storage solutions since 1970,

designing and manufacturing pallet racking systems and related material handling products that improve operational efficiency in manufacturing, warehousing and distribution facilities.

When it comes to offering the highest quality, safest and most diverse product offerings,

Steel King is built to deliver.



STEEL KING™

BUILT TO DELIVER

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PLANT LOCATIONS

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