MAXIMIZE YOUR SPACE. AUTOMATE YOUR STORAGE.

Engineered racking solutions for automated pallet shuttle systems.

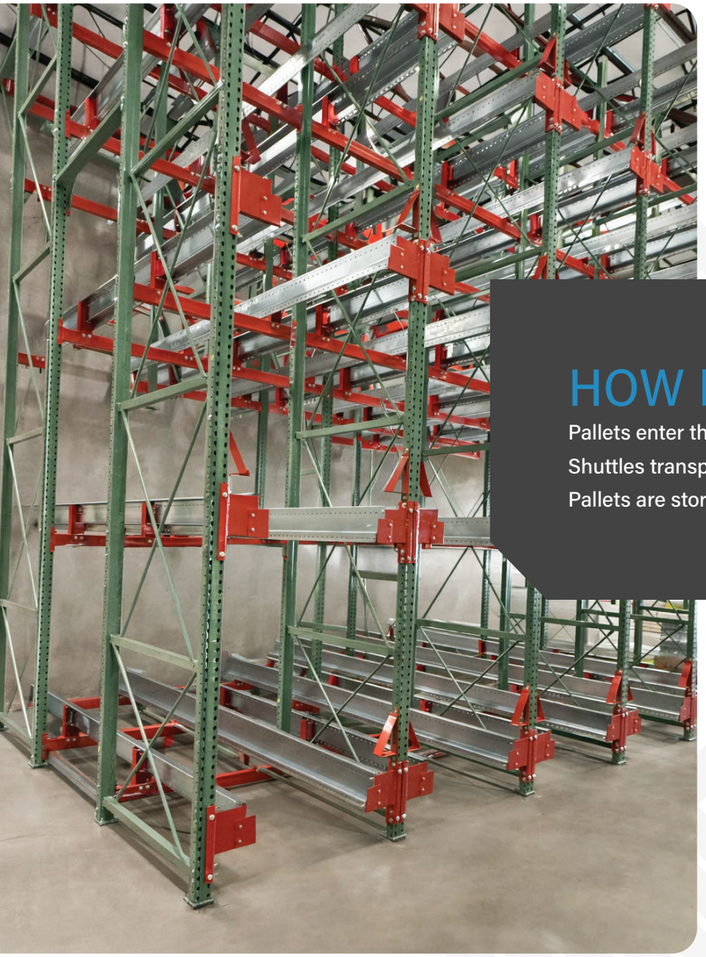


More Storage.
Less Labor.
Smarter Operations.

Speedrack®

MORE STORAGE. SMARTER MOVEMENT.

Automated pallet shuttles move pallets within high-density racking, maximizing storage space while reducing forklift travel and manual handling.



HOW IT WORKS

Pallets enter the system via forklifts or automated equipment.

Shuttles transport pallets within the racking.

Pallets are stored and retrieved on demand.



MORE CAPACITY. LESS COMPLEXITY.

- **MAXIMIZE SPACE**
  Store more pallets with fewer aisles.
- **INCREASE THROUGHPUT**
  Streamline storage and retrieval.
- **REDUCE LABOR DEMANDS**
  Automate repetitive pallet movements.
- **IMPROVE SAFETY**
  Keep forklifts out of deep storage lanes and reduce rack impacts.
- **CONTROL OPERATING COSTS**
  Reduce forklift travel and labor requirements.
- **SCALE WITH CONFIDENCE**
  Support future growth with flexible system designs.

TWO-WAY VS. FOUR-WAY SHUTTLE TECHNOLOGY

Two-Way Shuttles

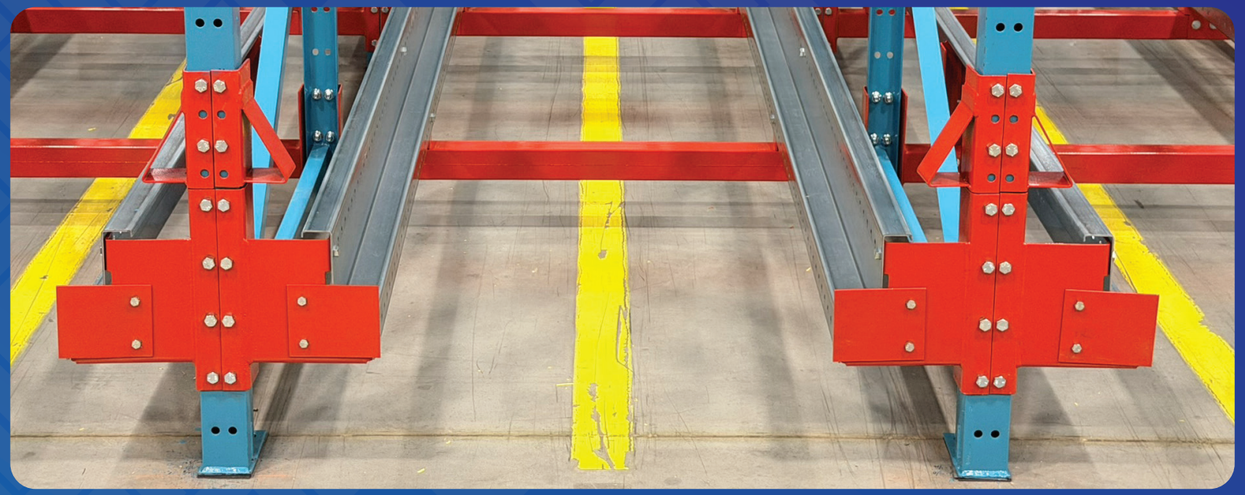
Semi-Automated. Simple. High-Density.

- Forward and backward movement within storage lanes.
- Ideal for deep-lane, high-volume pallet storage.
- Typically use forklifts for pallet and shuttle transfers.
- Support FIFO or LIFO, depending on system design.

Four-Way Shuttles

Flexible. High-Throughput. Automation-Ready.

- Forward, backward, and lateral movement.
- Move between storage lanes, with lifts providing access to multiple levels.
- Can integrate with automated conveyors and warehouse control systems.
- Ideal for complex inventory and higher-throughput applications.



The right solution depends on your space, inventory, throughput, and operational needs.

ENGINEERED BY SPEEDRACK

Your Shuttle. Our Rack. One Engineered Solution.

Speedrack designs and manufactures the precision-engineered racking that supports automated pallet shuttle systems.

ENGINEERED FOR COMPATIBILITY

- Custom engineered for two-way and four-way systems.
- Designed to meet alignment, clearance, and load requirements..
- Designed for your selected shuttle technology and system interfaces.

YOUR SYSTEM. YOUR CHOICE.

Have a preferred shuttle manufacturer? We'll engineer the racking to work with their system. Need a complete solution? We can provide the shuttle equipment, too.





BUILT FOR DEMANDING OPERATIONS

WHERE SHUTTLE SYSTEMS WORK:

FOOD & BEVERAGE
High-volume inventory and finished goods.

COLD STORAGE
Maximize refrigerated and freezer space.

MANUFACTURING
Raw materials and finished goods.

DISTRIBUTION & 3PL
Efficient, high-density pallet storage.

ENGINEERED AROUND YOUR NEEDS

- Ambient, cooler, and freezer environments
- Deep-lane, high-density configurations
- Engineered for your pallet loads
- FIFO or LIFO, depending on system design
- Integration with warehouse automation and control systems*
- Scalable system designs



System capabilities and integration options depend on the selected shuttle technology and application requirements.

THE SPEEDRACK ADVANTAGE

IN-HOUSE ENGINEERING	Designed around your operation.
AMERICAN-MADE RACKING	Manufactured with U.S.-sourced steel.
PRECISION MANUFACTURING	Built for demanding automated applications.
QUALITY & COMPLIANCE	ISO 9001 and R-Mark certified.
PROJECT MANAGEMENT & INSTALLATION	Experienced support from concept to completion.

ONE PARTNER FROM DESIGN TO DEPLOYMENT.

Design → Engineer → Manufacture → Install

THE FOUNDATION OF SMARTER STORAGE.

Ready to Make More of Your Space?

Whether you're exploring automation for the first time or integrating a preferred shuttle system, Speedrack can engineer a racking solution to support it.



LET'S BUILD A SMARTER STORAGE SOLUTION.

Explore Our Automation Solutions:

speedrack.net

Speedrack® Products Group, Ltd.

Engineered.
American-Made.
Trusted.