



STOP **MATERIAL HANDLING**

**Dynamic Storage Solutions
Experts**

Who We are

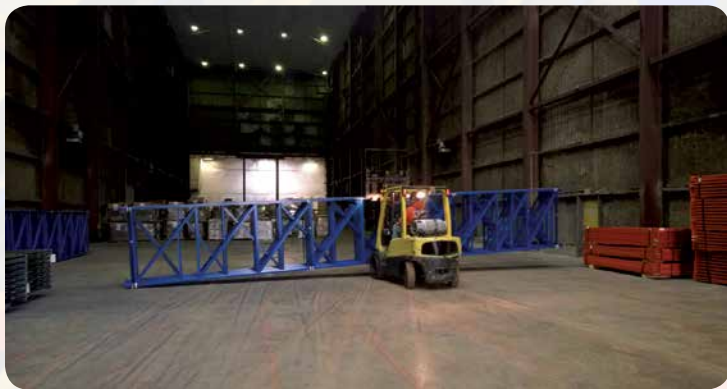


1 Stop Material Handling's expertise lies in system integration for custom design, supply, service and installation. Chances are if you're reading this brochure that you're trying to lift, move, pack or store something.

Our team specializes in the design and implementation of turn-key racking and shelving systems for your warehouse needs.



What We Do



We have 25 years of experience in storage and material handling systems. We will work with you and your team, to design and integrate the most functional, high density and safe storage or rack-ing system to meet your company's needs.

Our Products

- » **Structural & Roll Formed Rack Systems**
- » **Selective Pallet Rack Systems**
- » **Push Back Rack Systems**
- » **Pallet Flow Rack Systems**
- » **Keg Flow Rack Systems**
- » **Case/Carton Flow Rack Systems**
- » **Drive-In/Drive-Thru Rack Systems**
- » **Pick Module Storage Systems**
- » **Archive & Record Storage Systems**
- » **Cantilever Storage Systems**
- » **Narrow Aisle Rack Systems**

Our Services

- » **Warehouse Design & Layout Services**
- » **Site Survey & Permitting**
- » **Project Mangement**
- » **Freight & Shipping Coordination**
- » **Storage Systems Installations**
- » **Fire & Seismic Consultation**
- » **Pallet Rack Safety Inspections**
- » **Concrete & Slab Work**
- » **Signed & Sealed Seismic Calculations**
- » **Pallet Rack Safety Inspections**

Industries Served

- » **Beverage and Grocery Stores**
- » **Retail Storage Racks**
- » **Pharmaceuticals**
- » **Logistics**
- » **General Warehouse & Distribution Centers**
- » **Manufacturing Plants**
- » **Petroleum**
- » **Chemical/Polymer Facilities**
- » **Paint & Coating Facilities**



Selective Pallet Rack Systems

Selective Pallet Racks, are the most common type of pallet rack systems used today. Selective Pallet Racks usually come in two styles, a roll formed clip-in (teardrop) or structural (bolt-together).

What is the difference, between roll formed and structural, selective pallet racks?

Structural Selective

Structural Selective Pallet Rack Systems are similar to rolled-formed pallet rack systems except the horizontal load beams are attached to the uprights with bolts and have much greater weight-bearing capacity.

Hot Rolled Structural channel steel provides quality, strength and can withstand forklift truck damage better than a roll formed system as is made for long lasting performance, heavy duty loads and harsh conditions.

The structural beams fully bolted connections yield a stronger and more rigid system of adjustable racks flexible because they can be constructed, reconfigured, and dismantled for reuse.

Structural Selective Pallet Racks can also be specially designed into the structure of the building itself, so the upright columns are simultaneously used to support the roof of the storage facility.

Roll Formed

The Roll Formed Selective Pallet Racks are commonly manufactured in a tear-drop style it is called a tear drop since holes on the column of the upright are shaped like a tear drop.

When assembled in a warehouse the pallets then rest horizontal on the load beams that are held in place by mounting clips. Because the clips on the teardrop can be quickly moved, the load beams can be easily adjusted to accommodate various heights and load sizes.

Advantages

- Designed for flexibility and easy access of all pallets.
- Can accommodate moving beam levels to different elevations to handle multiple size pallets.
- Easy install and re-configure.
- Available in roll formed or structural steel.
- We carry an extensive line of accessories for a variety of applications.
- Designed for high density storage.

Applications

- Is stacked in multiple levels,
- Must be accessed efficiently and
- Can be moved and restocked quickly.
- Versatile bulk storage

Selective Pallet Racks are available in numerous pallet rack sizes, capacities, configurations and options.

1 Stop's in-house design team will work with you to integrate and design any pallet rack system to maximize the space in your warehouse.

Keg Flow Storage Systems

1 Stop Material Handling can assist with designing and supplying Keg Flow Rack System to store 1/6 Kegs and 1/4 Quarter Slim Kegs on the bottom or lower levels of existing racking systems for quicker picking and efficiency.

The bottom two beam levels are ideally suited to house 1/6 Kegs and 1/4 Quarter Slims. This will organize all your slow movers into one designated area for ease of picking, which also frees up space for faster moving products.

Advantages

- More efficient picking
- Gets Kegs off the floor
- Frees up space for fast movers
- Organizes slow movers and microbrewers
- Can pick/load from either side of the rack
- Store more product in the same footprint



Pallet Flow Storage System



Pallet Flow Systems are engineered to perform and manufactured to last. 1 Stop Material Handling offers custom solutions for any application whether it's economical shallow depth or deep lane flow systems even in harsh environments.

1 Stop Material Handling understands that properly designed SKU zones will maximize storage capabilities for time sensitive and consumer good. Design consideration must account for empty storage space inherited by broken stack loss or honeycombing.

Advantages

- High Density Storage utilizes space with fewer aisles.
- First in, First out (FIFO) storage insures product rotation
- Pick aisle faces are constantly stocked
- Product flows from the back to the front

Carton/Case Flow Rack System

Carton/Case Flow Rack Systems are designed for picking of full and or split cases utilizing gravity flow lanes.

As the items are removed from the front, the items behind slide forward in place of the previous. Case Flow Rack Systems, separate picking and stocking aisles for full cartons and split cases to save up to 80 percent of labor cost compared to a static storage system. (FIFO System)

Advantages

- Always has product presented to the order picker/product picker
- Allows quick and smooth picking (full and/or split cases) using gravity
- FIFO automatic inventory rotation increases productivity and utilization of space
- Improve product visibility and order accuracy
- Designed to be flexible with ergonomics in mind
- Can Retro-fit into existing rack systems

Loading Side



Picking Side

Push Back Rack Storage Systems



Push Back Rack Systems use gravity fed telescoping carts to provide high density storage.

As you load the first pallet from the front, it sits on the first cart and then as you load the second pallet it pushes the first pallet behind it back one position. This process continues for up to 6 deep. When you want to remove a pallet the fork truck driver lifts the pallet off and reverses slowly and the next pallet comes forward and into the forward position. The front pallet is removed when unloading and the rear pallets automatically come forward to the front picking position. This is considered a LIFO system Last-In-First-Out inventory management. The carts are low profile which helps in areas with heights restrictions and are all color coded to make it easy for the driver.

Advantages

- Exceptional use of space.
- Allows for both selectivity and dense storage.
- Great aisle selectivity.
- More picking faces with a small number of aisles.
- Available in roll form or structural materials.

Drive-In/Drive-Thru Storage Systems

Do You Need Drive-In/Drive-Thru Rack For Your Warehouse?

A Drive-In/Drive-Thru Rack System has rails running the depth of the rack for pallet placement. The only limitation to the depth of the Drive-In/Drive-Through System is the capability to drive deep within the system.

The Drive-In/Drive-Thru Rack depth reduces the need for aisles and drastically increases cubed storage space in your warehouse.

The depth of the system is only restricted to the available space, quantity and size of the pallets and the height is only limited by the height of the building.

Advantages

- High Density Storage Rack System.
- Allows for clearance of lift truck as you drive into the rack system.
- Most cost effective, high-density storage rack.
- Multiple configuration possibilities available in roll form or structural materials.



Narrow Aisle Storage Systems



With a Narrow Aisle Racking System, Modern truck design with "swingmasts" and articulated forks allow for aisles as narrow as 65" without the need for guidance systems. Pallet Rack-ing can be configured in a variety of ways and systems, depending on the customer's requirements and pallet load the objective is to define the optimal storage economics.

A Narrow Aisle Racking System, enables you to set up high density storage by making better use of your floor area and roof height, and serve as a viable alternative to multi-bay racking systems.

Advantages

- Best Configuration for Maximum Storage
- 100% accessibility to individual pallets
- Better utilization of space
- Lower occupancy rates per pallet stored
- Additional cost of specialist forklift truck offset by the added value of improved space utilization

Pick Module

Storage Systems

Pick Modules offer dynamic flexibility with an endless variety of multi-level picking configurations to choose from to open up valuable floor space and improve your overall efficiency through maximum utilization of vertical space.

Our team works with the leading manufacturers of pallet racks, mezzanines and conveyors to design an integrated, high throughput and efficient multi-level pick module. This system uses all the benefits of "Flow" design to ensure that pick faces are always stocked.

Advantages

- Offers dynamic flexibility.
- Product is moved from pallets or cartons to complete orders quickly and efficiently.
- Order picking and product replenishment becomes a seamless, integrated process.
- Opens up valuable floor space and improves overall efficiency.
- Maximum utilization of floor space.
- Uses gravity flow to transport product from the replenishment aisle to the pick location.



Cantilever

Storage Systems



Cantilever Storage Systems are all specifically designed for storing long bulky items such as lumber, plywood, PVC and metal or bar stock pipes. For this reason a cantilever storage system is specifically designed to fit your needs, other items that you can store on a cantilever rack system are furniture, boats, jetskis and motorcycles.

Advantages

- No aisle uprights to limit the use of horizontal space. Each type of product can be separated by commodity and size.
- Easy installation and reconfiguration of support arms.
- Available in designed units as well as purchasing individual parts such as arm, uprights, and spreaders.
- Available in roll form or structural materials.



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