

**LET'S BUILD
YOUR WAREHOUSE.**



UMH
UNITED MATERIAL HANDLING INC

2019 PRODUCT GUIDE



LET'S BUILD YOUR WAREHOUSE.

United Material Handling, Inc. is a full-service Material Handling Company located in the heart of Southern California. We serve the greater Southwest, but travel nationwide to satisfy our customers pallet racking needs.

We have over a century's worth of MHE Professionals' experience throughout our ranks, which makes UMH keenly adept at solving storage challenges, increasing order selection effectiveness and reducing operating costs for our clients.

We are a vendor partner in providing our customers with Material Handling Equipment systems and services—including many brands and styles of storage racks, such as: cantilever rack, selective rack, structural rack, push-back rack, drive-in rack, carton flow rack, pallet flow rack, gravity and powered conveyors, mezzanines and shelving (wide-span or clip). We also provide services pertaining to engineering, permits, code compliance, warehouse design, operations and consultation.

THE KEY TO SUCCESS.



THE KEYS TO SUCCESS

United Material Handling, Inc. specializes in providing storage products and MHE systems to companies in search of competitively priced and code-compliant solutions, to meet operational targets.

No matter what size warehouse, the need for organized storage and making good use of the available building space, typically requires the use of storage racks, shelving, raised platforms and the accessories that accompany these Material Handling Equipment (M.H.E) types. We have the capability to design storage systems that best meet your unique requirements.

Effective space utilization in warehouse design considers how products are stored, picked, replenished and prepared for shipment. Primary functions are typically performed at the ground, or a raised floor, while slower moving inventory is often relegated to the upper reaches of a building.

ENGINEERING SERVICES

A professional rack layout design seeks to optimize space utilization and product accessibility. Once the design is completed, there are several other Engineering/Project Management Services that are involved in bringing a customized storage solution to fruition.

We provide these critical Professional Engineering deliverables:

- Slab Testing
- Permitting (including P.E.-stamped drawings and calculations, High Pile Storage permit package)
- Systems Integration
- Lighting Standards and Facility Egress Design
- Project Management
- Detailed Installation Drawings
- Load Capacity and Location (Bar code) Signs
- Installation and 'As Built' Drawings
- Forklift Evaluation related to the Storage System

INSTALLATION

Storage rack installations should be performed by trained personnel, experienced with proper rack assembly procedures. Incorrect rack assembly can not only cause poor performance of your system, but can also pose a safety hazard in your facility.

United Material Handling, Inc. is licensed and bonded to install any type of storage system. Our installation crew travels nationwide and specializes in erecting and removal of material handling equipment.

We install a variety of pallet racking systems including: push-back, pallet flow, case flow, pick-modules, cantilever, conveyor, mezzanine and many more.

Our technical project team provides turnkey racking relocation, dismantling, retrofitting and repairing.

CUSTOMIZED SOLUTIONS.

A Better Storage Equipment Layout Design considers the goal to be that of optimizing both storage density and product selectivity. Too much of one, taken at the expense of the other, can raise labor costs and compromise space utilization objectives. Preparing a customized Pallet Rack Plan (or other storage equipment layout) includes SKU data analysis; picking, storage and staging methods; forklift design and performance parameters; hi-pile storage requirements and pallet/case location capacity objectives. Let our knowledgeable staff develop a storage equipment layout that supports your operational needs of today and growth potential of tomorrow. Be it 'wide aisle', 'narrow aisle', 'very narrow aisle' (VNA), or a hybrid; the optimal storage equipment configuration is only an analysis and implementation away!



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PALLET RACKS

Pallet racking, also known as selective racking, can be manufactured in both roll-form and structural steel, to meet the user's application requirements. Selectivity is the primary advantage of this rack type, allowing access to any stored pallet loads; thus promoting good inventory rotation practices, and efficient picking from multiple forklift types. It's also among the most cost effective pallet storage systems available.

- Cost effective.
- Access large range of stock keeping units (SKU's).
- No special forklift requirements.



CANTILEVER RACKS

This type of racking system is excellent for large, bulky, long or oddly-shaped materials such as pipe, bar, round and square tubing, steel angle, lumber, poles, steel plate, wood, sheet steel, structural steel, etc. It offers an efficient way to organize and store bulk items. These racks increase space utilization. Available as either single-sided or double-sided, and in a variety of capacities and sizes to fit your specific storage requirements.

- Excellent for storing items of non-uniform size and length.
- Offers greater storage capacity and efficiency in storing longer items.
- Frees up valuable floor space by repositioning products off the ground and onto racks.
- Protects and helps prevent damage to longer items.
- Can be equipped with deck supports and wood for flat surface storage of furniture or large case goods.



CARTON FLOW

Carton flow is a wheel-surface, shelving system that can be free-standing or incorporated into a pallet rack or pick module storage system. It is popular for its self-replenishment feature, as cartons advance down the pitched shelving wheel bed, delivering product to the pick face end of each shelf lane. It promotes 'first-in first-out' (FIFO) stock rotation, by its loading/picking ends and sloped-shelf design.

- Significantly improves picking rates.
- Excellent for both 'full case' and 'broken case' picking.
- Customizable storage lane widths.
- Optional features include charge-end impact zones, pick-end tilt trays and pick-to-light systems.



PICK MODULES SYSTEMS

Pick Module systems are often customized for each facility, because storage and picking requirements can differ greatly between warehouses. Configure to order (CTO).

These multi-level racking structures typically include conveyors that move products from the picking areas to the shipping areas. Replenishment of product within the pick module is done from rear aisles, or directly from a lift truck.

Well adapted for large distribution centers, they are constructed from basic pallet racking components. Sub-components consist of carton flow, pallet flow, various forms of shelving and conveyor, as well as flooring, handrails, stairs, kickplates, lighting and fire sprinkler protection.





PUSH-BACK RACKS

Push-back racking combines the features and benefits of other pallet storage rack types. It uses the same aisle as selective rack. It's self-replenishing like pallet flow and carton flow; except that its stock rotation is the 'last in, first out' (LIFO). When integrated into a single selective rack layout, the overall space utilization of the warehouse can be improved significantly. It has one of the best ROI of any pallet storage rack type.

- Low profile carts are secured to front-to-back rails lessening the probability of dislodgement.
- We can design a push-back rack system to fit into virtually any space in your warehouse.
- Push-back racking is designed with no pallet overhang.
- No special forklift equipment is required.
- Low maintenance. Easy to clean.



DRIVE-IN RACK SYSTEMS

Drive-in racking provides high density pallet storage and is typically used where bulk stack storage is impractical or limiting. Like bulk storage, drive-in racking creates a 'last in, first out' (LIFO) stock rotation. It adds the benefits of storing higher without the potential damage that can exist when pallet loads are placed directly on top of each other.

- Moderate cost, high density pallet storage.
- Uses common entry/exit into each bay of rack.
- Designed to store numerous pallets of the same SKU.
- Creates separation of pallet loads set in a bulk array, reducing damage.
- Increases storage height capability as compared to bulk stack storage.



MEZZANINES / WORK PLATFORMS

Create more useable space for a variety of applications including enhanced storage capacity, value-added services (VAS) or remote offices. Mezzanines provide a quick and cost-effective way to create new space. Mezzanines can be supplied with concrete floor or tongue-groove decking depending upon the loading requirements. Also used to support conveyors, mezzanines allow for improved 'cube utilization' of a tall warehouse facility. Similar to pick modules these structures use a wide-span support column system allowing for greater contiguous floor space.



SHELVING

Organizing your warehouse, or other storage space, should be simple and convenient. With industrial steel shelving and boltless shelving, users get the convenience and cost-effectiveness coupled with strength. High gauge steel will keep your metal shelving system sturdy, even under the weight of heavy loads. Shelving can also be found in storage systems for piece pick applications.

ACCESSORIES.



END-OF-AISLE PROTECTORS



WIRE DECKS



PALLET SUPPORTS



PALLET STOPS



GUARD RAIL



STACK RACKS



HEAVY-DUTY ROW SPACERS



COLUMN PROTECTORS



GRAVITY CONVEYOR

Additional accessories are available upon request.



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