

**pickability**



Pick **Smarter**. Pick **Better**. Pick **UNEX**.

# about unex

Founded in 1964, UNEX is the trusted industry leader in providing innovative order picking solutions that maximize space usage, increase pick rates and improve ergonomics at the point of pick. We offer a full range of order picking solutions, including our patented carton flow solution Span-Track. The pickability\* experts at UNEX can integrate carton flow into any structure, ranging from shelving to specialized pick modules and help customers keep processes and profits flowing.

UNEX is an ISO-certified company committed to quality and bringing value to our customers. Our goal is to exceed customer expectations through continuous improvement, customer service and empowering our employees.

\* **pick•a•bil•it•y**: *the measure of efficiency with which an item can be picked*



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# carton flow for pallet rack



**C**arton flow for pallet rack allows a warehouse or distribution center to utilize existing rack structure for more than just pallet positions. The integration of picking from carton flow alongside picking from pallets creates an efficient pick line layout that helps maximize picking efficiency.

## Problems:

*Are cases picked in an area separate from pallet positions?*

*Pick rates down from excessive walking and searching for the right SKU?*

*Insurance premiums up from workers reaching and bending into racks?*

*Stock rotation an issue?*

## Solution:

UNEX order picking solutions are designed to drop into an existing rack layout, condensing inventory and reducing travel time up to 85%. With capacities up to 100 lbs per foot, we have a solution for every SKU.



## UNEX products used for this solution:

span//track

see page 11

skube

see unex.com

# order **picking**: split case



**W**hen each or split case picking, products are picked individually from a case or masterpack. In most distribution environments, each picking represents a smaller percentage versus case picks. The opposite is true for direct-to-consumer fulfillment centers.

## **Problems:**

*Each picks are more labor intensive than case picks. The order picker is required to not only locate the SKU, but also to locate the individual product within the master pack. The necessary clearance for an order picker to see, reach in, and extract items from a case can quickly add up, costing a facility valuable space.*

## **Solutions:**

UNEX offers a variety of each picking solutions. To increase access to the tops of cartons and minimize vertical clearances, tilted trays, add-on trays, and knuckled track can be used. A layback or staggered design can also be utilized. This design uses multiple track lengths, with the longest on the bottom and progressively shorter tracks as the system builds upwards.



## **UNEX products used for this solution:**

**span//track**

see page 11

**roller//rack**

see page 12

**pick//shelves**

see page 12

**skube**

see [unex.com](http://unex.com)

**UNEX solutions**

# order **picking**: full case



**P**icking orders is the core function of most warehouses and distribution centers. Whether collecting product for customer orders or retail store replenishment, order picking can be up to 75% of a facility's costs. With case picking, products are picked by the full case, or master pack, from a variety of storage mediums. The majority of this work is performed manually by warehouse employees.

## **Problems:**

- What's the right storage medium for each product?*
- What's the optimum location for the fast movers? Slow movers?*
- Is there a way to ensure perishable inventory isn't lost?*
- Can an existing warehouse accommodate the addition of new equipment?*
- How can an operation find more space, as SKU proliferation increases?*
- Can employee safety be improved?*

## **Solution:**

UNEX engineers solutions specific to the needs of each facility by analyzing SKU and throughput data. Tracks are designed to drop into existing pallet rack, eliminating the need to reconfigure a warehouse layout. The resulting system creates FIFO storage that condenses and organizes inventory, freeing up to 40% more space. Flow lanes keep product up front, eliminating the need to reach and bend. The substantial increase in product facings drastically reduces travel time.



## **UNEX products used for this solution:**

span//track

see page 11

roller//rack

see page 12

pick//shelves

see page 12

skube

see unex.com

# standalone carton flow



**S**tandalone carton flow is perfect for operations that require dynamic storage but don't have existing supporting structure. It's often used temporarily for contracts or seasonal order volumes. The complete solution allows an operation to add carton flow wherever it is required in a facility.



## UNEX products used for this solution:

roller//rack

see page 12

flow//cell

see page 11

span//track

see page 11

## Problems:

*Don't have any pallet rack but need dynamic storage?*

*Does the best area for carton flow have low ceiling heights?*

*Is it on or under a mezzanine?*

*Is pallet rack too bulky for your layout?*

*Have your workers had enough of low-quality plastic wheel rails that perform poorly with heavier cartons and totes?*

## Solutions:

UNEX offers a variety of complete, standalone carton flow solutions. From our modular carts to our pre-engineered rack and track units, we have the ideal solution for any operation.

UNEX standalone solutions can support up to 100 lbs per foot and are covered by our 7-year warranty.

# lean workstations



**W**orkstations or sub assembly stations are a combination of a flow rack and a work surface where other operations are performed. Employees work faster, more accurately, and safer when they have an organized and functional workstation.

## Problems:

*How can an operation reduce travel to secure components?*

*Eliminate twisting and bending?*

*Organize finished goods?*

## Solutions:

UNEX workstations integrate our industry-leading carton flow with galvanized steel workbenches as well as overhead toolbars to hold all of the equipment needed for a task. Return lanes can flow empty totes or finished goods away from the operator for pickup by the material handling team.



## UNEX products used for this solution:

flow//cell

see page 11

span//track

see page 11

pick//shelves

see page 12

# pallet handling



**UNEX products used for this solution:**

**pallet//track**

see page 12

**P**allets play a crucial role in warehouse operations. Most inventory arrives on a pallet, gets processed, and then leaves on a pallet. The majority of an operation's SKUs spend all of their time on a pallet.

## **Problems:**

*If the majority of a distribution center's throughput is on a pallet, what's the best way to handle these pallets?*

*Is there a way to maximize efficiency when picking from a pallet?*

*Can pallets be staged more effectively in shipping areas, reducing the load on your fork truck fleet?*

## **Solution:**

UNEX's two-deep pallet track eliminates double handling and reduces restocking requirements by 50%. Floor-mounted pallet conveyor can provide accumulated storage that requires no additional equipment to stage, sequence, and manipulate pallets in a shipping area.



# plastic wheel replacement



**C**arton flow shelves full of plastic wheel rails have been the dominant solution in the light duty market for a long time. The shelves rest on pins, which install inside a steel framework, creating a carton flow system with a low initial cost but plenty of limitations.

## Problems:

*Are corrugated boxes hung up on the narrow plastic wheel rails in the system?*

*Has the maintenance budget been consumed by replacing damaged wheel rails?*

*Do workers look for the shepherd's hook more than they look for their picks?*

## Solution:

UNEX manufactures a low-profile carton flow system designed to replace narrow plastic wheel rails with either a full-width roller for optimum carton support or a universal carton flow bed for maximum flexibility. Both solutions are designed to be a direct, drop-in replacement for plastic wheel rails, allowing reuse of existing carton flow shelves and structures.



**UNEX Products used for this solution:**

shelf//track

see page 11

# flowing round objects



**T**here are many round products in a variety of industries. From paint cans to beer kegs, they all present their own unique storage issues.

## Problems:

*Struggling to get round objects to flow correctly?*

*Chimes around the bottom of tubs hanging up on wheel rail?*

*Ergonomic issues with heavy pails and kegs?*

## Solution:

UNEX offers carton flow solutions specific to round objects. Our engineers have designed full-width rollers that properly support almost any container bottom, and full-length guard rails that keep products in line and flowing straight.



**UNEX products used for this solution:**

span//track

see page 11

# lineside storage



**T**he production line is changing. Many manufacturing facilities are changing their ways as they implement lean manufacturing principles on their shop floors. Ergonomics, efficiency, just in time (JIT), FIFO, flexibility, and durability are among the many factors that impact lineside operations.

## Problems:

*What is lean manufacturing and how is it implemented?*

*How much inventory should be stored lineside?*

*How can parts be presented in an efficient and ergonomic manner?*

## Solution:

UNEX modular carton flow systems are designed specifically for individual applications to address the unique requirements of manufacturing facilities. With a variety of presentation options like knuckles, trays and adjustable elevations, a lineside rack can be optimized for specific applications.



## UNEX products used for this solution:

flow//cell

see page 11

pick//shelves

see page 12

span//track

see page 11

# slow movers



**S**low movers typically represent 80% of inventory and are the most inefficient picks in a facility.

## Problems:

*Slow movers clogging up floor space?*

*Having trouble integrating slow movers into the pick line?*

*Are workers forced to reach deep into storage racks to find slow moving products?*

## Solution:

UNEX's solution for slow movers includes both tilted and flat shelving structures in heavy duty galvanized steel supporting up to 50 lbs per square foot. UNEX's unique "pick tunnel" solution can increase the pick rate of slow movers up to 40% while reducing travel time by 60%.



## UNEX products used for this solution:

flow//cell

see page 11

pick//shelves

see page 12

skube

see unex.com

span//track



**Span-Track: Innovative carton flow solution that drops on to existing structure**

- Available in wheel or roller configurations
- Engineered to order for specific applications
- Increase throughput up to 150%
- FIFO - First In First Out stock rotation
- Handles up to 100 lbs per foot

*For detailed ordering information and specifications, please refer to UNEX document LIT-PROD-001 (online and printed product brochure).*

flow//cell



**Flow Cell: Flexible, modular flow racks that are engineered to order**

- Heavy gauge steel construction
- Increase space utilization by up to 50%
- Reconfigurable storage to accommodate process changes
- Compatible with all Span-Track products
- 7-year warranty

*For detailed ordering information and specifications, please refer to UNEX document LIT-PROD-002 (online and printed product brochure).*

shelf//track



**ShelfTrack: Durable drop-in carton flow to replace unreliable plastic wheel rails**

- Available in wheel or roller configurations
- Reuse existing support structure, just replace the wheel rails
- 300% more contact area than wheel rails
- Handles cartons and totes
- Supports up to 50 lbs per foot (can not exceed capacity of shelf)

*For detailed ordering information and specifications, please refer to UNEX document LIT-PROD-003 (online and printed product brochure).*

pallet//track



**Pallet Track: Customized two-deep pallet tracks**

- Available for double-deep applications
- Floor or rack mounted
- Spring-loaded rear stop prevents pallets from rolling back
- Engineered to order in lengths from 24" to 144"

*For detailed ordering information and specifications, please refer to UNEX document LIT-PROD-004 (online and printed product brochure).*

pick//shelves



**Pick Shelves: Tilted steel or wire shelves provide dense storage and ergonomic picks**

- Available in portable or stationary
- Customizable sizes for standalone workstations
- Easy mounting - can be installed to any configuration of rack or beam
- Multiple options for stop heights
- 7-year warranty

*For detailed ordering information and specifications, please refer to UNEX document LIT-PROD-005 (online and printed product brochure).*

roller//rack



**Roller Rack: Pre-engineered carton flow and structure from a single source**

- A variety of pre-engineered solutions to meet most requirements
- Available in wheel or roller tracks
- Knock down, easy-to-build frames
- Available quickly and cost effectively

*For detailed ordering information and specifications, please refer to UNEX document LIT-PROD-006 (online and printed product brochure).*

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**Learn more:**

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