



Pick Towers

A Pick Tower / Pick Module is a multi-tiered storage system designed to meet two key goals – increase picking efficiency and maximize storage capacity. This type of system is an ideal solution for storage and picking in high volume environments due to their ability to organize and manage a large variety of product in high volumes. Incorporating Carton Flow, Pallet Flow & Conveyors is common to help increase efficiency and facilitate sorting and packaging before shipping.

Key Advantages

Multi-Tiered Design:

- **Vertical Storage Efficiency:** Pick Towers are typically designed with multiple levels, utilizing vertical space effectively to store a large number of products. This multi-tiered approach ensures that more items can be stored in the same footprint compared to traditional shelving systems.
- **Customizable Levels:** Each level within a Pick Tower can be tailored to meet specific picking requirements, with different types of shelving, bins, or flow racks depending on the product type and order volume.



Integrated Picking Solutions:

- **Carton Flow Racks:** These racks use gravity-fed roller tracks that allow cartons to move smoothly from the back-loading side to the front-picking side. This ensures that the oldest inventory is picked first (FIFO system), which is crucial for products with expiration dates.
- **Pallet Flow Systems:** For larger, bulkier items, pallet flow racks provide similar gravity-fed functionality, allowing pallets to move through the system with minimal manual intervention. This enhances efficiency in picking large quantities of products.
- **Conveyor Systems:** Conveyors are often incorporated into Pick Towers to facilitate the seamless movement of goods between different picking stations and levels. This reduces manual handling and speeds up the order fulfillment process.

Enhanced Picking Efficiency:

- **High Throughput:** The design of Pick Towers allows for simultaneous picking on multiple levels, enabling high throughput in environments with large order volumes. Workers can efficiently pick items from different levels without congestion, thanks to the organized layout.
- **Reduced Travel Time:** By strategically placing high-demand items closer to the picking stations and utilizing conveyors to transport picked items, travel time for workers is minimized. This results in faster order processing and increased productivity.