

# Warehouse management

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eng.



# Choice of warehouse equipment

# Factors for Selecting the Right Racking System

The right racking system must be able to increase your space utilization and speed up your operations, especially the picking process.

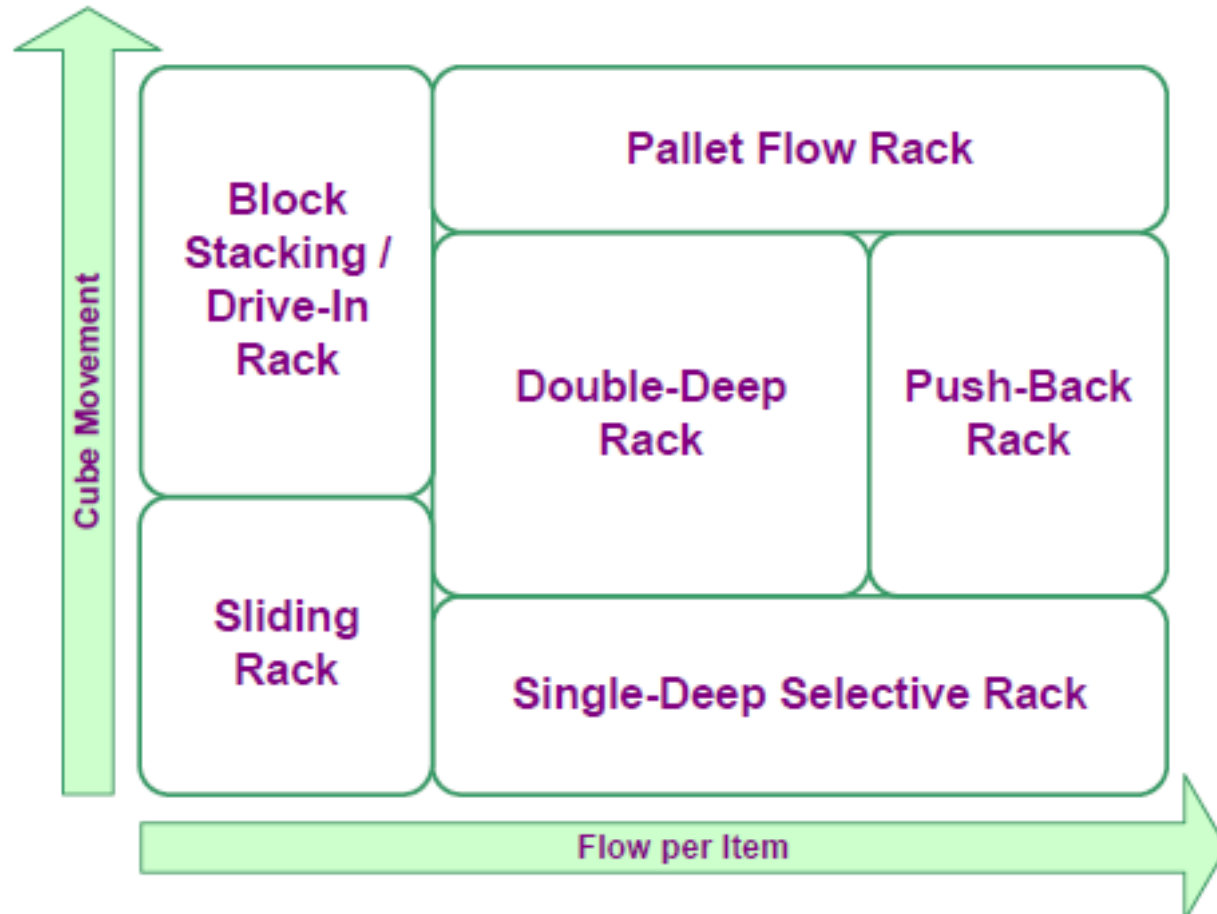
# Factors for Selecting the Right Racking System

- **Budget** - The estimated cost per pallet. Consider this factor while making sure that the racking system fulfills all your needs.
- **Floor Utilization** - The ability of a racking system to maximize the warehouse floor space.
- **Storage Utilization** - The amount of space you can utilize in the racking system. The amount you need will depend on the quantity, size, and weight of your cargo.

# Factors for Selecting the Right Racking System

- **Forklift Accessibility** - The ability to accommodate forklifts used for bulky cargo. This takes into consideration the amount of aisle width required for forklifts to maneuver.
- **Versatility** - The ability of racking systems to accommodate a wider range of goods.
- **Inventory Management** - order of inventory retrieval required by the warehouse (FIFO, LIFO, FEFO, other).

# When to use which racking system ?



# The Different Warehouse Racking Systems

## Selective Racking System

- **Budget:** \$45 – \$65 per pallet
- **Floor Utilization:** 40%
- **Storage Utilization:** 90 – 95%
- **Forklift Accessibility:** More than one forklift can be used due to wider aisles and multiple access.
- **Versatility:** Can handle different types of goods.
- **Inventory Management:** First in, First Out (FIFO)

# The Different Warehouse Racking Systems

## Drive-In Racking System

- **Budget:** \$160 – \$185 per pallet
- **Floor Utilization:** 65%
- **Storage Utilization:** 60 – 65%
- **Forklift Accessibility:** Supports forklifts.
- **Versatility:** Products cannot be mixed in each row.
- **Inventory Management:** Last In, First Out (LIFO)



# The Different Warehouse Racking Systems

## Double-Deep Racking System

- **Budget:** \$50 – \$70 per pallet
- **Floor Utilization:** 60%
- **Storage Utilization:** 85 – 90%
- **Forklift Accessibility:** Supports forklifts with extendable forks.
- **Versatility:** Best for storing the same SKU items.
- **Inventory Management:** First In, Last Out (FILO)

# The Different Warehouse Racking Systems

## Pallet Flow System

- **Budget:** \$170 – \$185 per pallet
- **Floor Utilization:** 70 – 75%
- **Storage Utilization:** 85 – 90%
- **Forklift Accessibility:** Supports forklifts.
- **Versatility:** Best for storing the same SKU items and high-volume items.
- **Inventory Management:** First In, First Out (FIFO)

# The Different Warehouse Racking Systems

## Push Back Racking System

- **Budget:** \$275 – \$295 per pallet
- **Floor Utilization:** 75%
- **Storage Utilization:** 75%
- **Forklift Accessibility:** Supports forklifts.
- **Versatility:** Best for storing the same SKU items.
- **Inventory Management:** Last In, First Out (LIFO)