kardexremstar

Why Automate?

Low Risk Automated Storage Solutions for Optimized Picking and Replenishment

Why Automate?
Automate to Increase Profits

Considerations when upgrading your manual warehouse operations:

1. How much labor does your picking operation require?
2. What is the value of additional floor space?
3. Are picking operations fast enough to meet customer demand?
4. What is the cost of a worker sick day or worker injury?
5. How much does a picking mistake cost your business?

Automated storage and retrieval systems can solve the labor shortage, reduce floor space requirements and minimize picking errors. With these efficiencies, ASRS often provides an ROI of 18 months or less. Optimizing your current processes by implementing automation will ultimately increase your profits.

Grow Profits Without Adding Labor
Intelligent Picking For Increased Productivity

Before

After

Automated storage and retrieval systems allow operators to perform at higher levels. By delivering items directly to the operator, travel and search time commonly associated with shelving is drastically reduced. This allows the operator to spend more time picking, increasing overall productivity.

Due to reduced travel and search time in an automated storage and retrieval system, picking from shelving that required several workers, often only requires one worker to handle the same volume. Automated storage and retrieval systems are a great option when labor is scarce or unreliable. Typically, labor can be reduced by 2/3 while maintaining pick volume.

More often, facilities are choosing to maintain current labor levels when implementing automated storage and retrieval systems to increase picking productivity – resulting in higher picking capabilities without additional labor.

Reduce Labor by 2/3

- **Deliver stored items to the operator & eliminate unproductive travel time**

- **Optimized machine movement for most efficient delivery times**

- **Pick lights indicate which item & quantity to pick, eliminating time spent searching for the right part**

Create Additional Space For Revenue Generating Activities
Consolidate To Maximize Floor Space

Before

After

When compared to standard shelving, automated storage and retrieval systems can save up to 85% floor space. Eliminating aisle space required for shelving and utilizing the complete floor to ceiling height provides organizations with a smaller footprint.

Space within the unit is maximized by eliminating the reach in space required for shelving. Further, totes, bins, dividers, drawers and specialty holders are specifically designed to store items within the unit while maximizing every square inch of space. Integrating inventory management software can dynamically manage the cube space within the unit ensuring maximum space utilization.

The value of floor space varies depending on the activity occurring in that space. Implementing automated storage and retrieval systems to create floor space for additional manufacturing or other revenue generating activities can be easily cost justified.

Save Up To 85% Floor Space

- Floor to ceiling space utilization

- Eliminate wasted aisle space

- Maximize every square inch within the unit

- Inventory management software designed to dynamically manage cube space within the unit

Speed Picking To Meet Customer Demand
Increase Throughput With Batch Picking

Before

After

Workers picking one order at a time find themselves walking several miles a day and visiting popular SKU locations multiple times. Bottlenecks often occur in shipping (orders waiting for "one last SKU" to complete the order) or manufacturing (production slows due to a lost or misplaced part).

Using automated storage and retrieval systems, one worker can fill multiple orders (called a batch)at a time. Batches are created by order commonality and picks are sequenced to increase throughput.

Further, orders can be prioritized by importance and inventory availability to extend order cut-off times allowing a facility to be more competitive and customer friendly.

Batch picking can easily be paused to fulfill hot picks immediately on demand. This not only reduces bottlenecks in shipping or manufacturing but allows facilities to meet requests of other departments.

Increase Picking Speeds by 600%

- **Fulfill multiple orders at one time**

- **Reduce bottlenecks in shipping & manufacturing**

- **Extend order cutoff times to meet customer demand**

- **Easily accommodate hot picks**

Create a Safe & Ergonomic Work Environment

Protect Workers and Stored Inventory

Before

After

Automated storage and retrieval systems deliver stored items to the operator; eliminating workers climbing, bending, reaching, twisting and lifting activities commonly associated with shelving. For heavy inventory, ergonomic hoists, lifts, carts & transport tables can be easily integrated into the workstation. This OSHA friendly work environment reduces worker fatigue and risk of worker injury.

In addition to worker ergonomics, all units feature multiple safety systems. Light curtains, emergency stop buttons, automatic shutter doors and photo eyes ensure the safety of both workers and the stored items. Safety can be further increased with integrated safety doors, added safety mats and software enabled restricted access.

100% Safe & Ergonomic Access

- **Goods-to-Person delivery eliminates climbing, bending, reaching, twisting and lifting**

- **Easily integrate hoists, lifts, carts & transport tables into the workstation**

- **Multiple safety features protect both workers & stored items**

Improve Pick Accuracy To Increase Customer Satisfaction
Pick The Right Part The First Time

Before

After

The cost of a picking mistake or error is typically calculated using the cost of returning the item and the additional shipping costs incurred. But the hidden costs can be even greater – unhappy customers and the negative impact to your company reputation. It pays to deliver the right part the first time.

Automated storage and retrieval systems quickly present the correct item to the worker for picking. Integrated with light directed picking technology, the worker is directed to the exact location of the item, reducing human error and uncertainty.

A reduction in picking errors ultimately leads to better inventory control. Constantly returning and re-picking items makes it difficult to successfully track inventory levels. Automated storage and retrieval systems can provide real time inventory tracking.

99.9% Pick Accuracy

- **Reduced picking errors**

- **Fewer returned orders & less restocking**

- **Fewer repicked items due to shipping mistakes**

- **Improved customer satisfaction**

- **Increased repeat customers**

Kardex Remstar

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