Saving Space and Money by Automating Your MRO Maintenance Crib

Special Report

What Is and What Could Be

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Automating Your MRO Maintenance Crib

HOW IT'S BEEN

Your Maintenance Parts Supply Crib or Central Store has just sort of 'evolved' over the years. It's grown with your business and you consider maintaining and staffing this in-house hardware store simply a necessary evil—a cost of doing business. Your core competency isn't supplying light bulbs or condenser cores, but you find yourself doing just that—staffing and operating a hardware store within your manufacturing plant. This store requires expensive labor to man and to keep track of inventory—that's just the way it is.

And you need crib attendants for each shift, searching and finding the spare parts needed so your maintenance personnel can keep the plant running. And hopefully they record each transaction to insure proper inventory accuracy…so you don't run short at a critical time. You likely stock many secondary sub-stocks of parts also, just in case.

The Parts Supply Crib not only holds the manufacturing process hostage, it also occupies thousands of square feet of valuable potential manufacturing floor.

That's just how it is.

HOW IT COULD BE

All of your spare parts are stored in a fully automated vertical, high-density storage system requiring as little as 100 square feet per module. You no longer need crib personnel on each shift. When maintenance requires a part,

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the maintenance personnel can simply access the inventory management software (from a terminal mounted on the unit) and retrieve the exact part needed.

Inventory levels are automatically updated and each transaction is recorded for a secure audit trail. Every parts usage and every restocking transaction is tracked, managed, and controlled with 100% accuracy. All transactions are uploaded to the enterprise wide ERP or MSP systems.

Your new "store" takes up approximately 20% of the floor-space the old one did. You now only use a crib attendant during restocking, cycle counting for inventory proof, and follow-up re-orders (and all with no interruption of service to the maintenance department).

The space and people and energy you were using to keep your in-plant hardware store running is now channeled into new business, improved products, and more efficient production techniques. You've realized immediate cost savings by re-assigning crib personnel and an even greater savings from improving inventory accuracy.

We've helped some of America's most successful companies (Ford, Link-Belt, Snap-On, GM and many more) make this scenario a reality.
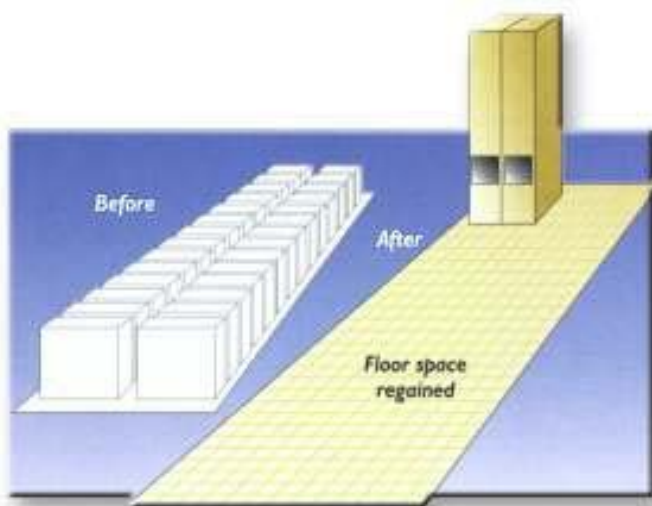
HOW THIS BECOMES A REALITY FOR YOU

We at AMH have developed a simple system that replaces your current in-house maintenance supply crib (store) and converts your inventory system into an infinitely more efficient beast.

- Crib employee costs are reduced by as much as 80%
- Process costs are reduced by increased up-time (no more inventory shutdowns)
- Crib floor space is reduced by an average of 60-80%
- Supply usage is slashed by 5-10%
- Inventory accuracy is improved by as much as 50%
- Allows a reduction in inventory of 12-18%

This reduces your investment in the hardware store business and frees you to concentrate on your core competency.

AN INTEGRATED SYSTEM

The automated system merges existing technologies and allows you to control the high cost of managing and controlling an in-plant supply crib. We interface an automated storage system with powerful inventory control software, bar code scanning, optional video monitoring, and automated replenishment system to provide a turn-key integrated solution.

You get the benefit of our expertise and you get to assess the investment before putting your toe in the water.

DIRECT ACCESS FOR MAINTENANCE PERSONNEL

Plant maintenance personnel will have direct access to supplies by password security. This eliminates expensive wait time as well as inevitable confusion when maintenance supplies must be "ordered" through a crib attendant.

By simply entering their password to access the software, maintenance personnel search for required parts by description, part number, vendor, or associated machine parts list. In order to be issued a part, the maintenance worker is required to enter a quantity and also identify a cost center for its

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usage. Detailed reports show where parts are being used, who is under or over budget, and detailed information about each item's history.

Once a part is issued then the part is automatically retrieved and presented at an ergonomically safe and convenient access window. An optional video monitoring system insures accuracy and control of the entire system. Every part is accounted for by who picked it, and where it went to be installed.

RE-ASSIGN CRIB PERSONNEL

Since Crib attendants will no longer be required to individually issue parts to each requestor, most can be re-assigned. Crib attendants will only be required for receiving and stocking replenishment parts, performing a daily cycle count and following up on inventory problems or inaccuracies. This usually represents a huge savings.

VIDEO MONITORING SYSTEM

Using an optional video system, each transaction is monitored and recorded with a time and date stamp. All inventory accuracy problems can be researched using the transaction history report as well as actual footage, to insure secure inventory balances.

SOFTWARE INTERFACE

With our systems, you are able to choose between your existing in-plant inventory control software and our specially developed Power Pick software to control your inventory. We are experts at integrating systems with existing plan ERP or MRP software, eliminating the need to install new software in the plant. But you will have choices…

POWER PIC GLOBAL INVENTORY MANAGEMENT SOFTWARE

Power Pic is an all-inclusive inventory control system that can improve a manufacturer's ability to distribute and track supplies and tools with accuracy and confidence. This Windows-based software, developed

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specifically for manufacturing supply cribs, uses bar coding to tie transactions and provide a powerful system of inventory control. If you do not already have all your parts, supplies, and tools coded into an inventory system, Power Pic is your best choice.

AUTOMATED REPLENISHMENT

Automated systems can generate replenishment orders automatically, insuring up-to-date control of parts, and eliminating plant shut downs caused by back-ordered supplies.

KARDEX Shuttle XP STORAGE SYSTEM

At the heart of our system lies the Kardex Shuttle XP storage system… the most productive, reliable and most space efficient storage system ever designed for parts storage.

By utilizing vertical space up to 100 feet, the Shuttle XP packs more storage capacity per cubic foot than any other type of system. Picture a tall section of shelving that has the ability to remove individual shelves and deliver them to an operator through an access window at the right ergonomic height.

The Kardex Shuttle XP vertical lift is modular, you can start with just one module and add additional modules as needed. Expandability is unlimited.

- Payload Capacity up to **2200 lbs per shelf**
- Shelf Size : up to 160"x34" shelves
- Module Heights : From to 8' up to 100'

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- **Relocate When Needed**: Because of the modular design the modules can be relocated as needed.
- **Better Manage Time**: Eliminates employee's walking and search time. Time is used to pick, not search.
- **Increased Productivity**: Pick 90 line items per hour with the automated storage as opposed to 25 line items per hour manually.
- **Limited Access**: With the Key Pad Lockout feature activated, access to the parts in the unit is controlled through software that is password protected.
- **Protect Delicate Parts from Dust and Unnecessary Movement**: The Shuttle XP is an enclosed system designed to protect sensitive electronic components from dust and ensure that the electronics are moved only when necessary.
- **Ergonomics**: No more climbing, bending, or reaching, thus reducing Workers Comp claims and employee down-time. Parts are delivered at an ergonomically correct height and orientation.
- **Space Saving High Density Storage Capacity**: Each vertical lift module has the capacity of approximately 50 sections of traditional shelving or 20 tool cabinets. Each vertical lift module can hold approx. 2000 line items of parts. Convert costly floor space used for supply parts storage into profit-generating manufacturing space.

ACTUAL CASE HISTORY EXAMPLE:
Company: Hayes Lemmerz International, Inc.
Location: Bowling Green, KY

	Before	After
Floor Space Reduction	*4,383 Sq. Ft.*	*172 Sq. Ft.*
Cycle Count Time Reduction	*6 hours*	*1 hour*
Crib Attendant Personnel	*10 hrs/day*	*2 hrs/day*
Inventory Accuracy	*80%*	*95 +%*
Parts Search Time Reduction	*15 minutes*	*1 minute*

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First Step: An Exclusive Free AMH "Needs Analysis"

We've been helping companies design, plan, and implement automated storage systems for over 20 years.

You don't spend a dime until you know what the entire process will look like and how much it will cost. We straighten out the learning curve for our clients and potential clients. When you schedule your free "Needs Analysis," our team goes into action. We study your situation, look at your present and future needs, figure cost savings and cost of investment for the upgrade, along with a very accurate "break-even" pro-forma. You are presented with a customized report that shows exactly what it will take to move you into the next century.

Call to schedule your FREE AMH "Needs Analysis" today:

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