



Tooling & Machinery, Inc.

Complete Metalworking Solutions

ISO Certified
(800) 991-4225
www.ahbinc.com
customerservice@ahbinc.com

SOLUTION OVERVIEW



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Warren ~ Saginaw ~ Jackson



Managing the Process Since 1992

CribMaster is the leader in asset tracking and inventory management solutions in productive environments. Since our founding in 1992, we have been dedicated to providing state-of-the-art software and hardware solutions to companies around the world to manage and control tools or any type of indirect inventory.

Implementing a system to accurately track inventory transactions in real time is a key component for manufacturers to operate at peak efficiency. We offer the most customized inventory management solutions to reduce costs, increase productivity, and provide the critical data to help manage all aspects of the manufacturing process.

Security at Every Level

Every business has security level requirements for their inventory. Whether your operation requires basic storage and identification so items can be inventoried quickly, low security to control the distribution of inventory, or maximum security for high-accountability tool control among users, CribMaster offers customized storage solutions that provide the proper level of security for your operation.

- Foam shadow boxes and laser etching for fast visual inspections
- Establish basic accountability with keyless entry for access control
- Required authentication for secure storage and distribution at point-of-use
- Collect precise data based on actual inventory usage
- RFID technology to monitor and track tool movement when positive tool control is critical

Streamline Production and Maintenance Processes

Get access to critical real-time data you need to help eliminate stock-outs and reduce downtime. CribMaster allows you to optimize and speed up the process of issuing, returning, and replenishing your inventory.

- Accurate inventory levels
- Point-of-use dispensing devices
- Automated check-out / check-in
- Tool tracking and real-time location

Barrier-Free Productivity

Processes such as locking down inventory and adding protocols to issue tools or high-use consumable items lead to compliance challenges. CribMaster's passive issue transactions automate the process without hindering work flow.

- Passive issue devices
- Simple touchscreen Interface
- Convenient issue and return stations
- Keyless entry

Achieve Total Accountability

CribMaster's tool tracking software paired with our line of secure RFID-controlled cabinets, monitoring devices, and RFID scanners used in high-accountability environments ensure positive tool control throughout your facility. Lean solutions from CribMaster take into consideration all aspects of inventory flow around a facility to maintain a safe environment.

- Reduce time to search for lost or misplaced tools
- Maintain Foreign Object Debris (FOD) and Foreign Material Exclusion (FME) compliancy
- Single source for kitting solutions – tools, storage, etching, and kitting
- Intelligent RFID-embedded industrial hand tools for advanced traceability
- Asset tracking with Real-Time Location System (RTLS)
- End-to-end Solution

After implementing a CribMaster solution, you will have access to our dedicated customer support team for questions and assistance. Additionally, we offer supplemental training classes throughout the year and regular networking events to connect with other users and enhance your expertise of the system.

- On-site installation support
- CribMaster User Conferences
- Online knowledge base
- CribMaster University training classes
- Dedicated call center

As your operation grows, the CribMaster solutions can be seamlessly expanded to create an end-to-end solution that will help you succeed by achieving your overall inventory management strategy goals in all facets of your operation.



Cost Reduction

The CribMaster system has a proven reduction of inventory spend with levels of 20%-30% in the first year.

- Cost accounting through multiple user-defined cost centers and other custom fields
- Inventory, budget, and purchasing management
- Indirect material supply chain management
- Consignment inventory monitoring
- Alert notifications of critical stock levels

Whether you need to manage a single crib, multiple cribs, sites across your facility, or sites enterprise wide, CribMaster has all the capabilities to optimize your inventory.

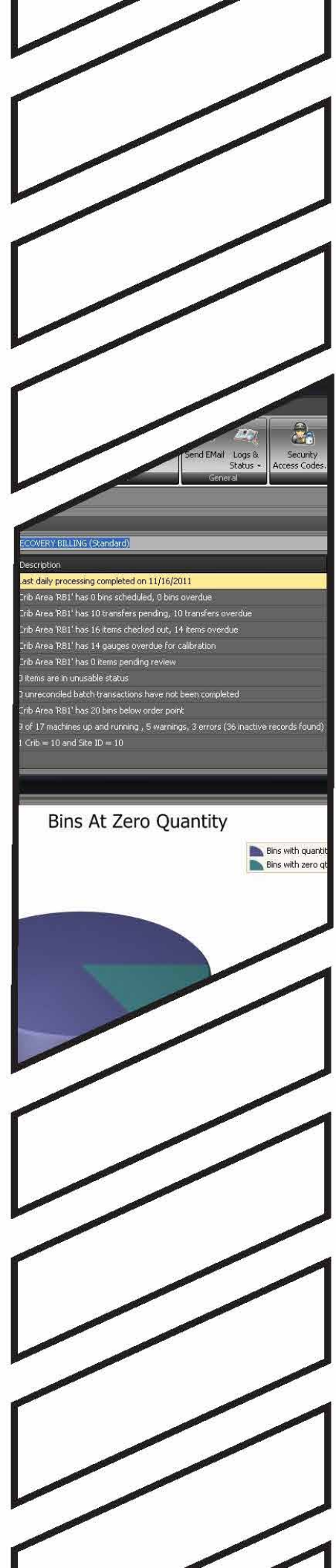
Flexible Solutions

CribMaster software leads the way in monitoring, maintaining, and managing tools, MRO supplies, PPE items, spare parts, and any other indirect materials used in day-to-day operations. The software application is a completely integrated tool control and inventory management package with features such as:

- Extensive security and item limit features
- SQL™, Oracle™, and SQL Lite™ database
- Basic and custom reporting
- Scheduled replenishment
- Comprehensive serialized tracking, calibration monitoring, and inspections

Add-on Modules

- Preventive Maintenance
- Point-of-Use Interface
- Scanners
- Integrated mobile tracking



Point-of-Use Vending

CribMaster provides security while streamlining productivity and improving your company's inventory management. By housing your inventory in the proximity of where the job is being done, authorized employees have easy access to tools, MRO, PPE, or any type of indirect material without adding steps to the process.

Through Point-of-Use vending devices, CribMaster's flexible software automatically records the entire transaction in real time. All of the critical data including user-defined fields are logged and tracked to employees receiving the tools or items dispensed. The software manages inventory levels and automates the ordering process.

- Improve productivity and reduce downtime
- Automate replenishment and purchasing process
- Establish basic accountability with keyless entry
- Simple touchscreen interface
- Lean workflow



Traditional Vending Solutions

Secure access-controlled solutions enable item restrictions by employee and/or quantity. The field-configurable options provide on-site flexibility to customize your solution as your needs change and grow.

- Item level access control
- Eliminate hoarding, misuse, and theft
- Monitor calibration schedules
- Dispense pre-assembled kits
- Manage reworkable items

Our array of traditional vending solutions includes:

- Classic coil machine dispensing
- Carousel dispensing
- Divided drawer storage system
- Flexible locker cabinets



Passive Issue Technology

CribMaster has developed an automated, non-intrusive, simplified solution that allows the user to get the required inventory when they need it and continue working. Eliminate the manual process of entering data to get inventory with precise weight-sensing and RFID technology.

- Simplified restocking of inventory
- Automated check-in/check-out
- Accurately inventory bench stock
- Maximum inventory visibility
- Portable asset dispensing
- On-site mobile tool crib

From issuing a fistful of fasteners to a torque wrench, simply self-authenticate, take what is required for your task, and the CribMaster software handles the rest with CribMaster passive issue solutions.



Precise Data

CribMaster's innovative software and passive issue devices paired with RFID tracking devices and tagged RFID assets offer you the complete line of the most accurate, in-depth, and mobile asset monitoring solutions.

- Automated and advanced traceability
- Maximum asset visibility
- FOD/FME/cross-contamination compliances
- Real-time data and location information

Tool Control

CribMaster gives you total visibility of your tools and your employees using them. Maintain positive tool control in high accountability environments by adding RFID enabled tools. CribMaster provides control on every tool, large and small, and provides the critical data you need to gain a more productive environment.

- Authentication of employee
- Check-out records and alerts
- Location of tools
- Red flag monitoring
- RFID embedded industrial hand tools



KitMaster

The real value is in KitMaster's ability to manage all aspects of your kitting solution. KitMaster offers the options needed to make your tool control solution successful and easy to implement. With our customized kitting solutions, you can establish basic tool control, improve your lean processes, reduce cross-contamination, manage tasks, and prevent FOD and FME.

- Visual tool management
- Tool etching
- Custom storage solutions
- Precision cut foam
- Part-in-pocket
- Wide array of tooling
- Dedicated project management team
- In-house process offering complete line of sight



INDUSTRIAL KITTING
SOLUTIONS

Most industries use some type of indirect material. We define indirect material as anything that is used during the fabrication and assembly of goods that does not become part of the end product. Using a customized CribMaster solution, you can track these assets and effectively manage production costs associated with process inefficiencies.

CribMaster grew up in manufacturing and now encompasses a wide spectrum of facilities ranging from a single truck to a chain of distribution centers. We have adapted this technology to solve common inventory management problems in any industry.

We'll be glad to discuss with you how software, vending, and RFID monitoring has helped others gain control of tools, MRO, and other indirect material and how we can apply that to your unique environment.

Call today to discuss solutions to your challenges. We are happy to answer any questions you may have.



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How do I know which CribMaster solution is right for me?

CribMaster's project management team will conduct a comprehensive inventory management evaluation and develop a custom solution based on your needs.

Does CribMaster interface with other data management systems?

CribMaster has an open database infrastructure. Dedicated integration specialists can assist you with data exchange from other businesses to accomplish a unified solution.

Where is CribMaster's technical support team located?

CribMaster's technical support, software development, product development, and marketing teams are all located at the CribMaster headquarters in Marietta, GA.

How is CribMaster's technical support structured?

Technical support and software upgrades are included for the first year after purchase. Annual support subscriptions enable ongoing technical support and software upgrades.

Is the CribMaster system expandable?

Yes. CribMaster offers the widest line of inventory management solutions in the marketplace. As your operation grows, CribMaster can seamlessly expand across your entire enterprise.

Can current employees badges be used for self-authentication?

Yes. CribMaster will customize the authentication device to support your current badges. Common options include: username and PIN, password, prox badge, mag-swipe, and barcode scanners.

What is CribMaster's warranty?

All of CribMaster's solutions include a one-year warranty.

Where does the data reside?

In any deployed CribMaster solution, the data is stored in a common database in either SQL Express, SQL Server, or Oracle database platform. This data source can either be a in a local client/server environment or hosted over the web using web services.

Does CribMaster's offer other languages?

Yes. CribMaster's point-of-use solutions support multiple languages.

Does CribMaster offer any web-based solutions?

Yes. Many of the CribMaster solutions, including tool crib software, mobile barcode scanners, RFID, and point-of-use vending devices, can be web-based.