CRIBWARE

Total Crib Control

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Total Crib Control

The CRIBWARE® system is a powerful, yet easy to learn, easy to use, comprehensive crib management package. From a few hundred to thousands of items, this scalable, multi-user system provides the functionality and flexibility efficiently streamlining the usage tracking, inventory management and acquisition processes.

Key Features

- Item identification and classification
- Usage and cost tracking
- Multiple location/multiple bin inventory control
- Replenishment, purchasing and receiving
- New and used visibility
- Scrap and rework accountability
- Item issuing/returning
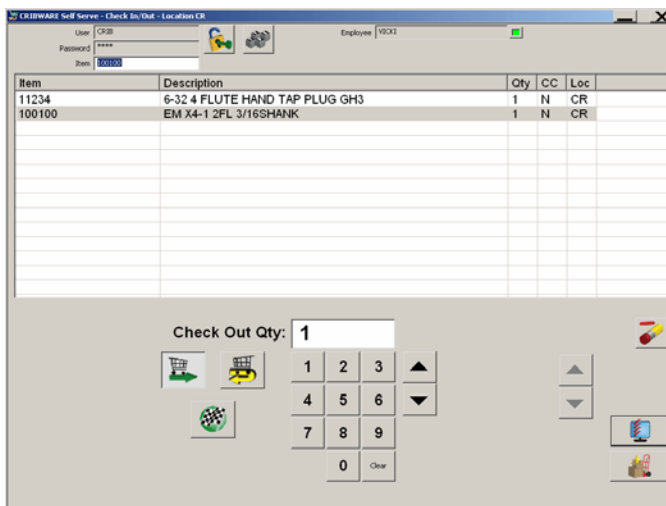- Extensive management reporting
- EDI and electronic ordering
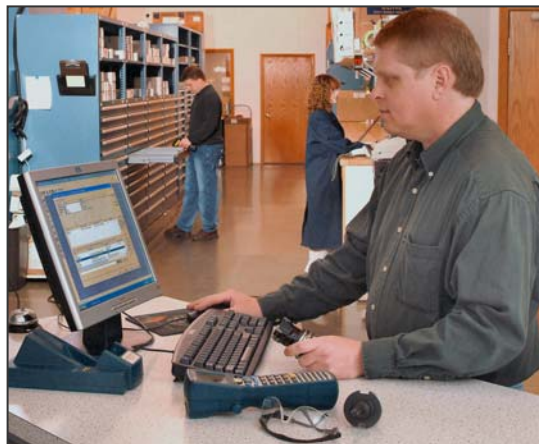
CRIBWARE manages cribs, storerooms, cells, labs and tool rooms

Why CRIBWARE…

Lowering "hard" costs such as inventory dollars and "soft" costs in administration and purchasing provides a quick return on investment.

- **Replenishment Notification**
  Notification when items are below their reorder point means not having to visually check the bins.

- **Cost Accountability**
  Usage and costs are tracked by employee, job, department, machine, or operation.

- **Automated Purchase Order Creation**
  Orders are automatically created and can be emailed or faxed.

- **Optimal Inventory Levels**
  Min/max inventory control maintains inventory at the proper levels.

- **Total Location Control**
  An item is tracked to its current location.

- **Immediate Information Access**
  Real time access to all inventory, purchasing, receiving and tracking information.

- **Eliminate Stock Outs**
  No more expediting or item substitution.

Self Serve is optimized for bar code scanner usage

- **Employee Empowerment**
  CRIBWARE gives employees the tools to do their jobs better.

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Total Crib Control

Modularity, Scalability, Concurrent Users

Flexibility is the key to the CRIBWARE system. At any time, add optional functionality and users. Growth, from additional users, added cribs or just more user traffic, is easily accommodated by an industrial grade database manager. A software based license manager counts only concurrent or active users. Part time users can share a single license.

CRIBWARE in Action

- **Inventory Control**
  Inventory control is a primary component of the CRIBWARE system. It maintains all item information and inventory balances, and plans and controls all materials, resources, tools and references needed for your processes. Item set up, Check out, Check in and Vendor selection are the activities performed by this component.

- **Tracking**
  Tracking items on a real-time basis provides item location information, cost and usage accountability. Track items by employee, department, machine, job, operation, work order, work order task, asset and/or two user defined fields. Customize the check out/in processes for each location to suit organizational needs by selecting one or more tracking parameters and editing the field names.

- **Replenishment**
  Replenish items using order point or max point calculations. A Reorder report can be used for replenishment or passed to other purchasing or administrative systems.

- **Utilities**
  Import, Export, Database Rebuild and Purge, Remote Price Update, Balance Quantities and Period Closing utilities are included with every system.

- **Security**
  Each CRIBWARE user may be setup with four levels of security for each CRIBWARE function. This security system maintains the integrity of the system and its information by restricting access based upon the users needs.

- **Self-Serve Convenience**
  CRIBWARE Self Serve is a designed for ease of use with single purpose screens optimized for bar code usage. It provides check out, check in, receiving and inventory adjustment functions for use in manufacturing cells, storerooms, maintenance departments, tool rooms and other locations that do not have dedicated crib personnel.

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Inventory Control

Inventory control maintains and provides planning, costing, condition category, availability, and vendor information on the status of all items controlled by the CRIBWARE system. Item set-up, check out, check in and vendor selection are the activities performed by this function

Inventory control is a basic building block in all CRIBWARE systems, maintaining all item information and inventory balances. Based on this information, the CRIBWARE application plans and controls all materials, resources, tools and references needed for your processes. This up-to-date stock information is available to all CRIBWARE users.

Benefits

- Controls tools, safety, maintenance, and other indirect material items
- Lowers material administration costs
- Bar code optimized
- Tracks actual usage
- Integrated purchasing and receiving
- Maintains inventory valuation
- Facilitates item standardization and vendor reduction
- Reliable and scalable
- Secure and accessible through your computer network

Figure: 04-15.tif

Key Features

- Multi-location, multiple bin inventory control
- Tracking of issues and returns
- New, Used and Other item condition categories
- Perishable and permanent item management
- Order point and max point replenishment
- Multiple vendors per item
- Last and average costing
- Purchase versus usage monitoring
- Purchase versus inventory quantity translations
- Inventory balancing

Report Examples

- Inventory Valuation - Actual and Average Costs
- Usage - by Tracking Parameter
- Item - by Location
- Overdue Issued
- Item History - Summary and Detailed
- Usage -12 Month Rolling Average
- Usage - Item Volume and Vendor Volume
- Obsolete Inventory
- Where Used
- Transferred Items

Usage, Cost and Location Tracking

Tracking items on a real-time basis provides item location information, cost and usage accountability. Items may be tracked by employee, department, machine, job, operation, work order, work order task, asset, and/or two user defined fields. The Check out/in process for each location can be customized to each department, or to fit organizational needs. One or more tracking parameters may be selected and the screen field name may be changed to accommodate your conventions.

The CRIBWARE application manages both perishable and permanent material. It also tracks the condition of the items with a New, Used and Other classification. A cost may be assigned and tracked for each of the condition categories.

Vendor history of item material costs and volume is provided on a monthly and yearly basis.

Benefits

- Real time cost, usage and location tracking
- Lowers material expediting costs
- Bar code optimized
- Increases employee accountability
- Integrates replenishment
- Maintains inventory valuation
- Facilitates item standardization and vendor reduction
- Reliable and scalable
- Secure and accessible through your computer network

Key Features

- Location customization
- Tracking by usage of issues and returns
- New and Used condition tracking and costing
- Perishable and permanent item tracking
- Order point and max point replenishment

Report Examples

- Usage - by Tracking Parameter
- Item - by Location
- Overdue Issued
- Item History - Summary and Detailed
- Usage -12 Month Rolling Average
- Top Used - by Quantity and Cost
- Volume - by Vendor and Item
- Usage - Item Volume and Vendor Volume
- Obsolete Inventory
- Where Used
- Transferred Items
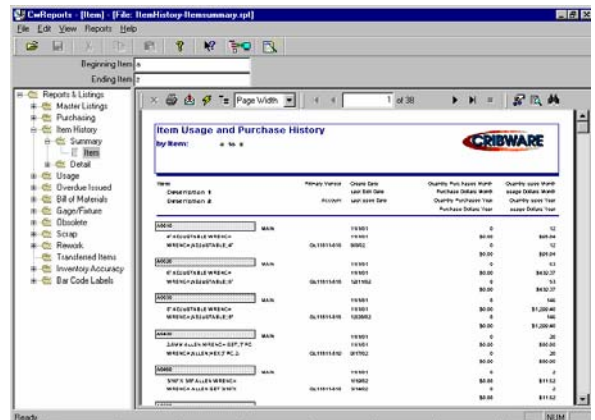
Replenishment

Overview

CRIBWARE Replenishment permits the creation of purchase requisitions and/or purchase orders for the ordering and replenishment of material. The CRIBWARE Purchasing module automates many routine purchasing tasks, eliminates redundant tasks, and increases purchasing efficiency. It increases order fulfillment accuracy and eliminates untracked or sporadic buying habits. The purchasing and receiving functions can be customized and automated by each department.

Benefits

- Lowers the cost of purchasing administration
- Reduces purchasing errors
- Reduces or eliminates paperwork
- Replenishment based on actual usage
- Integrated purchasing and receiving
- Level of automation may be configured by the various users
- Facilitates item standardization and vendor reduction
- Accurately tracks vendor history
- Reduces expedited shipments
- Reliable and scalable
- Secure and accessible through your computer networks

Purchasing/Receiving Activities

There are nine different Purchase Order activities:

1. Creating Purchase Orders
2. Canceling Purchase Orders
3. Un-canceling Purchase Orders
4. Add and Edit Purchase Order Items
5. Removing Items from Purchase Order
6. Receiving Purchase Orders
7. Un-receiving Purchase Orders
8. Printing, Emailing, and Faxing Orders
9. EDI Transmission of Purchase Orders

Replenishment

Features

- Handles both requisitions and purchase orders
- Converts requisitions to purchase orders
- Order point and max point replenishment
- Configurable filters to customize replenishment equations
- Multiple vendors per item
- Prefix and suffix numbering for requisitions and purchase orders
- Print, fax, or email purchase orders
- P.O. by point-of-use location or by facility
- Remote and local receiving
- Replenishes serialized, date sensitive, and reworked material

Reports

- Reorder List
- Purchase Order Master
- All Purchase Orders
- Open Purchase Orders
- Overdue Purchase Orders
- Crib Restock
- Receive Purchase Order
- Inventory Valuation - Actual Costs
- Inventory Valuation - Average Costs
- All Requisitions
- Open Requisitions
- Closed Requisitions
- Item History - Summary
- Item History - Detailed

Self Serve

The CRIBWARE Self Serve module is designed for ease of use. Using single purpose screens that are optimized for bar code operation to reduce errors, Self Serve permits faster information entry. It performs the Check out, Check in, Restock and Inventory Adjust functions. Included with every CRIBWARE system, many locations may benefit from choosing to use its simplified interface:

- Manufacturing cells
- Maintenance departments
- Tool rooms
- Tool cribs
- Any other self serve or point of use locations

Features

- Large buttons and graphical icons
- Optimized for bar code scanning
- May be used with touch screen technology
- Usage history by CRIBWARE tracking parameters
- Printing of Check out and Check in lists
- On-screen keyboard for touch screen operation

System Considerations

The Self Serve module is compatible with standard Windows computers and peripherals and optimized for use with a wedge type bar code scanner. There are several options that may enhance an application or installation:

- Touch screen monitors available for use in areas where a keyboard and mouse are not appropriate
- Touch screen computers available for use in rugged environments
- RF-cordless bar code scanners for operation in larger work areas
- Lista e-Lock cabinets for secure storage
- Network connection to a CRIBWARE Server

Advanced Reports

Reporting is an integral part of the CRIBWARE system. It provides the tools to report, analyze, document and export CRIBWARE information. Advanced Reports use a report tree to organize the report categories and sub-categories. The sub-categories are further broken down using logical criteria to narrow the report focus and extract a detail-rich report.

Benefits

- Management analysis and reporting
- User hard copy documentation
- Reports are created using Crystal Reports, the industry standard format
- View, print, e-mail, or export reports
- Custom tailor reports with corporate logos
- Export information to other corporate systems
- Optional FairCom ODBC driver available for creating or customizing your own reports using Crystal Reports Professional

Features

- Standard report tree for easy report selection.
- Custom report tree for customer created reports.
- Group tree for quickly moving between the sections of a report.
- Search Text function to find specific words or phrases in completed reports.
- Listing of recent reports for easy reselection.
- Refined selection criteria for more detailed analysis.
- Transmit report information via e-mail.
- Integrated launching of the external application for the export function.
- Export report information in many common business formats, including Adobe Acrobat (PDF), Crystal Reports (RPT), HTML (32. and 4.0), Microsoft Excel, Microsoft Word (RTF), ODBC, comma and tab separated text, record style and XML.
- Print large or small bar code labels.

For self-serve convenience, control codes for switching between the Check out and Check in activities, as well as completing the activity, are available as bar code labels. The bar code label can be placed on documentation, cabinets, computer screens or any place that is easily accessible. The scanning of the appropriate label will activate the software to switch to the selected activity or to finish the transaction.

CRIBWARE Advanced Reports

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Advanced Reports Listing

Master Listings

Item Master
- By Item
- By Description 1
- By Description 2
- By Description 3
- By Reference Number
- By Class
- By Type
- By Account
- By Primary Vendor

Bin Master
- By Item
- By Description 1
- By Description 2
- By Description 3
- By Reference Number
- By Class
- By Type
- By Account
- By Primary Vendor
- By LocXLocY

Item Vendors Master
- By Item
- By Vendor

Employee Master
- By Employee
- By Employee Name
- By Employee Job
- By Employee Craft

Department Master
- By Department
- By Description
- By Department/Employee Assoc.

Job Master
- By Job
- By Part Number
- By Start Date

Machine Master
- By Machine
- By Description

Vendor Master
- By Vendor
- By Vendor Name

Usage

Standard
- By Item
- By Description 1
- By Description 2
- By Description 3
- By Reference No
- By Class
- By Type
- By Account
- By Primary Vendor
- By Employee
- By Department
- By Job
- By Machine
- By User 1
- By User 2
- By User 1 / User 2

Graphs
- By Items, Description 1, Description 2, Description 3, Reference, etc…
- Asset

Export to Excel
- By Items, Description 1, Description 2, Description 3, Reference, etc…

Maintenance
- By Asset
- By Work Order
- By Work Order Task

Special
- By Rolling 12 Months by Item
- By Volume by Item
- By Volume by Vendor
- By Top Used Items by Quantity
- By Top Used Items by Customer

Purchasing

PO Master

All POs
- By Account
- By Class
- By Purchase Order
- By Item
- By Vendor
- By Date

Open PO's
- By Purchase Order
- By Item
- By Vendor
- By Order Date

Overdue PO's
- By Purchase Order
- By Item
- By Vendor
- By Order Date

Purchasing

Reorder
- By Item
- By Description 1
- By Description 2
- By Description 3
- By Reference No
- By Class
- By Type
- By Account
- By Primary Vendor
- By Primary Vendor with Purchasing History

Restock
- By Item
- By Description 1
- By Description 2
- By Description 3
- By Reference No
- By Class
- By Type
- By Account
- By Primary Vendor
- By Primary Vendor with Purchasing History

Received PO's
- By Purchase Order
- By Purchase Order/Bin Location
- By Item
- By Vendor
- By Receive Date
- By Receive Date/Bin Location

Requisition Master

All Req's
- By Requisition Order
- By Item
- By Vendor
- By Date

Open Req's
- By Requisition Order
- By Item
- By Vendor
- By Date

Closed Req's
- By Requisition Order
- By Item
- By Vendor
- By Date
- By Item

Forms
- PO Form
- Req Form

Top Purchased
- Top Items by Cost
- Top Items by Ordered Quantity

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Advanced Reports Listing

Inventory Valuation
Actual Costs
- By Item
- By Description 1
- By Description 2
- By Description 3
- By Reference No
- By Class
- By Type
- By Account
- By Primary Vendor

Average Costs
- By Item
- By Description 1
- By Description 2
- By Description 3
- By Reference No
- By Class
- By Type
- By Account
- By Primary Vendor

Item History
Summary
- By Item

Detail
- By Item
- By Description 1
- By Description 2
- By Description 3
- By Reference No
- By Class
- By Type
- By Account
- By Primary Vendor

Overdue Issued
- By Item
- By Description 1
- By Description 2
- By Description 3
- By Reference No
- By Class
- By Type
- By Account
- By Primary Vendor
- By Department
- By Employee

Bill of Materials
Job/Operation Items
- By Job
- By Part No
- By Description

Kits and Assemblies
- By Kit/Assembly
- By Kits (only)
- By Assemblies (only)

Where Used
- By Items in Job/Operations
- By Items in Kits/Assemblies

Gage/Fixture
Gage Fixture Master
Certification - Item
Due by Date
- By Gage/Fixture Master
- By Cal./Insp. Due-all Items
- By Cal./Insp. Due-Date Order
- By Cal./Insp. Due-Issued to Empl
- By Cal./Insp. Due-Issued to Dept
- By Cal./Insp. Due–Item order
- By Cal./Insp. Due–Issued to Job
- By Cal./Insp. Due-Issued to Machine

Due by Date Range
- By Cal./Insp. Due-all Items
- By Cal./Insp. Due-Date Order
- By Cal./Insp. Due-Issued to Empl
- By Cal./Insp. Due-Issued to Dept
- By Cal./Insp. Due–Item order
- By Cal./Insp. Due–Issued to Job
- By Cal./Insp. Due-Issued to Machine

Obsolete
- By Item
- By Description 1
- By Description 2
- By Description 3
- By Reference No
- By Class
- By Type
- By Account
- By Primary Vendor
- By Date

Scrap
- By Item
- By Description 1
- By Description 2
- By Description 3
- By Reference No
- By Class
- By Type
- By Account
- By Primary Vendor
- By Employee
- By Reason

Shelf Life
Master
- By Item

Expired
- By Item

Rework
Open
- By Item
- By Description 1
- By Description 2
- By Description 3
- By Reference No
- By Class
- By Type
- By Account
- By Primary Vendor
- By Reason

Closed
- By Item
- By Description 1
- By Description 2
- By Description 3
- By Reference No
- By Class
- By Type
- By Account
- By Primary Vendor
- By Reason

Transferred Items
- By Received Items
- By Sent Items

Bin Inventory Adjustment
Manual Adjustments
- By Item
- By Description 1
- By Description 2
- By Description 3
- By Reference No
- By Class
- By Type
- By Account
- By Primary Vendor
- By LocX LocY

Cycle Counting
- By Item
- By Description 1
- By Description 2
- By Description 3
- By Reference No
- By Class
- By Type
- By Account
- By Primary Vendor
- By LocX LocY

Inventory Accuracy
- By Item
- By Description 1
- By Description 2
- By Description 3
- By Reference No
- By Class
- By Type
- By Account
- By Primary Vendor
- By LocX LocY

Maintenance

Asset
Asset Master
By Asset – Detail
By Asset
By Asset Location
Asset History
By Asset
Asset – Where Used
By Item

Work Order
Work Order Master
By Work Order Master
By Work Order Master – Detail
By Unscheduled Work Orders
By Backlogged Work Orders
By Slipping Work Orders
By History
Work Order – Asset
By Asset
By Asset Location
By Machine
Work Order – BOM
By Work Order
By Work Order Task
By Work Order – (w/BC)
By Work Order Task – (w/BC)
Work Order – Closed
By Work Order
By Asset
By Employee
Work Order – Open
By Work Order
By Employee
Work Order - Form
By Work Order
By Work Order Task
Work Order – Scheduling
By Employee
By Planned Start Date
By Employee-Estimated Hours
By Requested Start Date
By Unassigned Work Order Task
Work Order – Where Used
By Item
Total Number of Work Orders
By Asset

TDS

Restock Need
By Item
By Vendor
By Item – Detail
Restock Activity
By Date
By Item
By Vendor
Inventory
By Cab / Tray
By Item
By Open Compartments

Bar Code Labels

Export
Item
By Item
By Desc 1
By Desc 2
By Desc 3
By Ref No
By Class
By Type
By Vendor
Item / Bin Location
By Item
By Bin X Bin Y
Employee
By Employee
By Employee Name
Department
By Department
By Department Desc
Job
By Job
By Part Number
Job / Operation
By Job / Operation
Machine
By Machine
By Machine Desc
Vendor
By Vendor
By Vendor Name
Shelf Life
By Item / Serial No

Full Page
Item
Department
Description 1
Description 2
Description 3
Employee
Job
Machine
Operation
Reference No.
Class
Type
Account
Primary Vendor

Bar Code Labels

Individual
Employee
4 x 1
3 x 1
2.25 x .75
By Name – 4 x 1
By Name – 3 x 1
By Name – 2.25x.75
Department
4 x 1
3 x 1
2.25 x .75
By Desc – 4 x 1
By Desc – 3 x 1
By Desc – 2.25x.75
Item
4 x 1
3 x 1
2.25 x .75
Item Location
4 x 1
3 x 1
2.25 x .75
By Location – 4 x 1
By Location – 3 x 1
By Location – 2.25 x .75
Gage/Fixture Serial Numbers
4 x 1
3 x 1
Shelf Life Lot Numbers
4 x 1
3 x 1
Reserved Word Bar Codes
Apply/Finish
4 x 1
3 x 1
2.25 x .75
Check In
4 x 1
3 x 1
2.25 x .75
Check Out
4 x 1
3 x 1
2.25 x .75
Clear Item
4 x 1
3 x 1
2.25 x .75
Clear Item List
4 x 1
3 x 1
2.25 x .75

Modules and Options

Modularity

The CRIBWARE software architecture maximizes flexibility. An optional module may be added at any time and still maintain the integrity of the previous system. Each new module adds functionality through the addition of database tables, user interface screens, software logic and reports. This means that you can purchase only the functions that you currently need, adding more functionality later with a new control number.

Scalability

The CRIBWARE application uses the FairCom database manager. It is a fast, high performance, industrial-grade database manager designed for large, complex applications. This ensures the expansion capability of the CRIBWARE system.

Figure: MDE-12.tif

Every CRIBWARE system supports multiple cribs or storage locations. Additional crib or storage locations may be added at any time without any additional license or expense.

Users can be added to the system at any time by simply updating the system's control number. The number of users is limited only by the computer power needed to them.

Security

The CRIBWARE software has a security system to maintain the integrity of the system and its information by restricting access based upon the users needs. Each CRIBWARE user may be setup with four levels of security for each CRIBWARE function:

> No Access: No access is allowed for this function.
> View: Ability to view, but not add, delete or modify the information in this function.
> Add/Modify: Ability to add or modify the information in this function.
> Delete: Ability to delete information in this function.

Concurrent Users

The CRIBWARE system license manager counts current or active users. The software may be installed on any computer that may need to access the CRIBWARE functions and information. Only the users that are logged on to the CRIBWARE application count as a user. When a user logs out, the user count is decremented. This benefits casual or low activity users, as they are not counted unless they are actually logged in to the application.

CRIBWARE Module Selections

Modules and users may be added at anytime to any existing CRIBWARE system.

- **Purchasing and Receiving Automation**
  Automate and insure the replenishment of material.

- **Kitting and Assembly Control**
  Group items for easier and faster issues and returns.

- **Rework/Repair/Scrap Control**
  Manage the material workability process. Know where your regrinds are.

- **Courier**
  Schedule and automate report transmission via e-mail

- **Gage and Fixture Management**
  Incorporate ISO 9000 procedures to provide, automatic calibration scheduling and history.

- **Maintenance Management**
  Manage assets, schedule work orders, and track service activities.

- **Job Management**
  Track job costs, document operations and assure availability of tooling.

- **Shelf Life Management**
  Manage date and lot sensitive material to assure the availability of items performing to specifications.

- **Inventory Adjustment**
  Compensate for human and process errors by cycle counting.
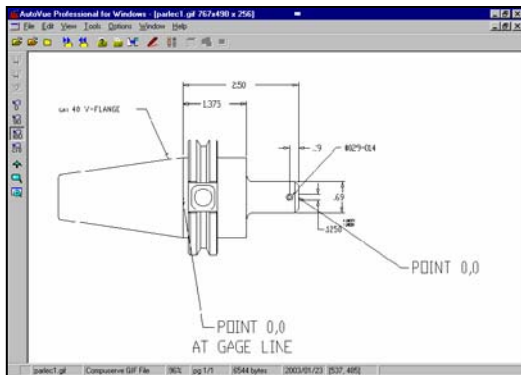
ToolView Online Documentation

- **Stock Transfer**
  Track material transfers between crib locations and document the results.

- **Documents, Pictures, and Drawings**
  View over 120 document types with ToolView, a fully integrated document-viewing module.

- **CRIBWARE Client Server**
  Maximize performance and improve data integrity on large databases running on local area networks.

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Kits/Assemblies

The optional Kit/Assembly module allows the grouping of items into kits and assemblies. This grouping is used for:

- Tracking, assigning, or storing items as a single item number
- Planning usage and referring to the group by one item number
- Reserving tooling and other items when assigned to assemblies
- Easy, quick Check out or Check in by a single part number, when issuing or returning tooling

Benefits

- Quick check out and check in
- Reduce material selection errors
- Reduce or eliminate paperwork
- Integrated Bill of Material reports
- Facilitates process standardization

Features

- Complete CRIBWARE descriptions, searching and reporting.
- Unlimited items and quantities.
- Kits are logical collections of items, tools, gages, fixtures, date sensitive material and assemblies.
- Assemblies are physical collections of items and tools.
- Nominal dimensions for the significant dimensions of a kit or assembly.
- ToolView option for viewing drawings and other supporting documents.
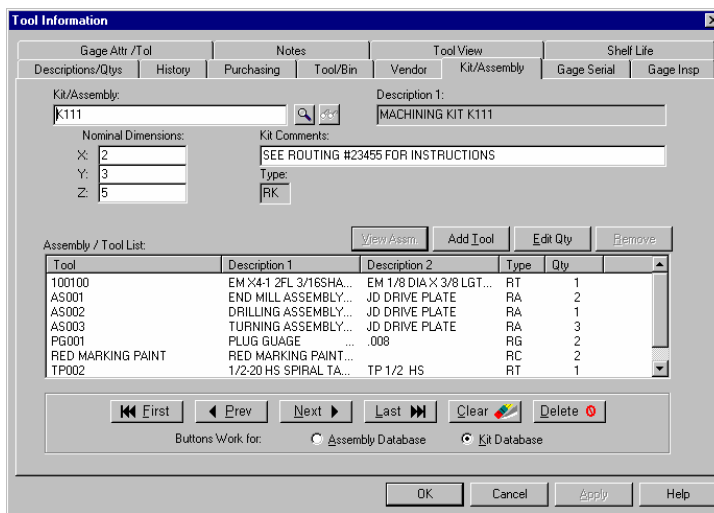
Figure: 04-23.tif
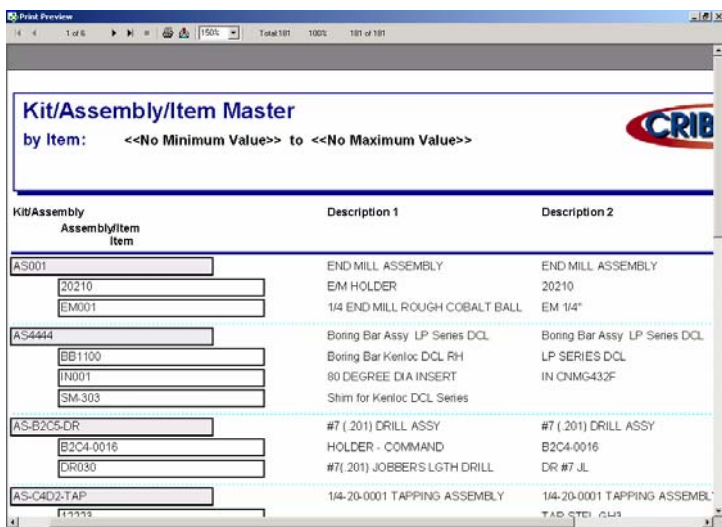
Related Reports

- Kit/Assembly Listing
- Kit Listing
- Assembly Listing
- Where Used
- Job/Operation Items

Rework/Repair and Scrap

The Rework/Repair and Scrap modules handle material that does not meet workability standards. The Rework/Repair module manages the reconditioning of material to return it to useable inventory, while the Scrap module provides for the disposal and elimination of defective material from the system. Both modules permit the material to be identified during the returning to inventory process as items that may require rework or scrapping.

Rework/Repair Features

- Customized Rework/Repair reason codes
- Cost and reason tracking
- Rework/Repair managed material may be assigned a new part number

Rework/Repair Benefits

- Quick Check in with reason codes
- Reduces defective material errors
- Reduces or eliminates paperwork
- Extends material life
- Facilitates material optimization

Figure: 08-06.tif

Figure: 08-02.tif

Scrap Features

- Customized Scrap reason codes
- Cost and reason tracking

Scrap Benefits

- Quick Check in with reason codes
- Tracks disposal of material
- Reduces or eliminates paper
- Facilitates material problem solving

Related Reports

- Rework Open/Closed
- Rework by Reason
- Scrap
- Scrap by Reason
- Obsolete
- Obsolete by Date
- Shelf Life Expired

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Courier

CRIBWARE® Courier is an automated e-mail scheduler and transmitter. CRIBWARE reports can be scheduled to run at a specific time and Courier will automatically run the report and e-mail the resulting HTML or text file to the designated recipient(s).

Courier automates an e-mail process that occurs on a regular basis. You can set it up so a recipient receives e-mail with one or more attachments on a daily, weekly, or monthly basis. Courier not only runs a report and sends the results, but also allows the user to send any file from any location. If a user manually places a text file in a specific location each day, you can set Courier up to send the text file to a designated recipient every day.
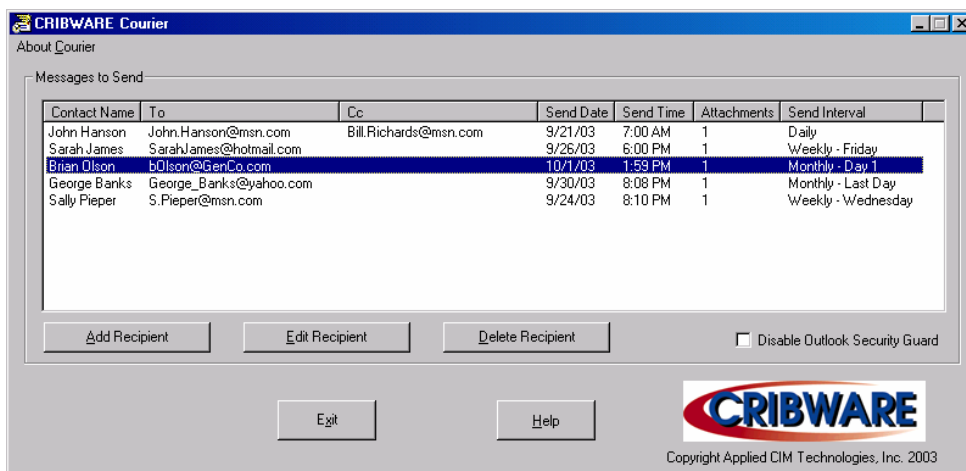
Features

- Automatically sends email at a scheduled time
- Transmitting interval: Daily, weekly, or monthly
- Electronically runs and sends any designated CRIBWARE report
- Attach HTML or text files
- Multiple scheduled email activities
- Multiple recipients and CCs

Benefits

- Timely reporting
- Standardized reporting process
- Reduces human intervention in report generation
- Send reports to remote locations
- Eliminates fax and paperwork errors
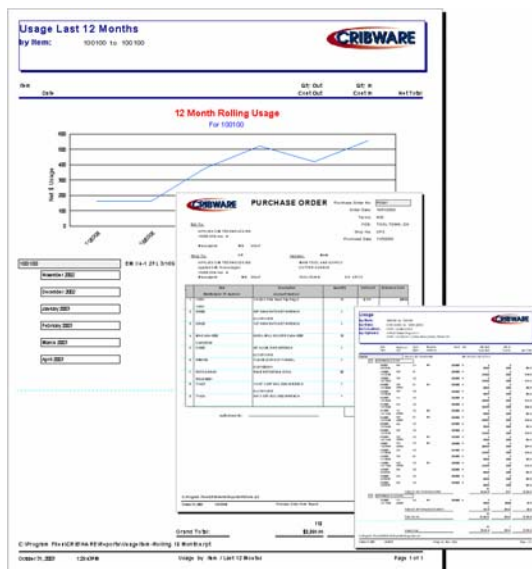
Gage & Fixture Management

Overview

The Gage and Fixture Management is an important element in the CRIBWARE® system. It builds upon the CRIBWARE functionality of classical inventory control, real-time information, and item tracking and reporting.

Benefits

- Real-time gage and fixture management
- Tracking of gages/fixtures with calibration/inspection dates
- Use of "in spec" and calibrated devices
- Online history of calibration and inspections
- Increase gage/fixture service levels
- Reduces out of calibration usage
- Eliminates scheduling hassles

Features

The CRIBWARE Gage and Fixture module incorporates:

- Procedures that meet ISO 9000 criteria
- Automatic calibration and inspection scheduling
- Planning tools for calibration and inspection activities and online documentation of these activities
- Calibration and inspection procedures
- Attribute and calibration standard documentation
- Assurance of compliance with required calibration frequency
- Real-time notification of out of calibration and specification notice
- Serial or unique number tracking
- History of all activities
- Historical acceleration or de-acceleration of required calibration
- CRIBWARE ToolView optional for linking of procedures, specifications and drawings

Related Reports

- Gage/Fixture Master listing
- Calibration/Inspection Due by All Items
- Calibration/Inspection Due by Due Date
- Calibration/Inspection Due- Issued to Employee
- Calibration/Inspection Due- Issued to Department
- Gage/Fixture Calibration/Inspection Certificate

Gage & Fixture Management

CRIBWARE

An optional CRIBWARE module, Gage and Fixture Management provides:

- **Serial Number Tracking**
  The addition of a serial or other unique number to the CRIBWARE item number assists in the identification, tracking and control of gages and fixtures. This number is tracked throughout the usage of the item and triggers the procedures for automatic inspection or calibration.

- **Procedure and Activity Documentation**
  The procedures for the Calibration or Inspection activity provide online documentation and assure the revision level of the procedure. The actual results of the activity are also documented for each serial number device. Any out of specification condition will be highlighted. A calibration certificate may be printed upon successful completion.

- **Calibration or Inspection History**
  The online history records the actual measured values and the calibration standard used in the calibration. Each value is compared to the specified or nominal value and recorded as such. Each activity is time stamped and the employee performing the task is recorded.

- **Out of Calibration Warning**
  During the issuing of a gage or fixture, the CRIBWARE system monitors the serial number to the calibration or inspection state of the item. If the item has been inspected or calibrated during the specified period of time, the issue will proceed, if not, an out of calibration warning will appear on the Check out screen and the item cannot be issued.
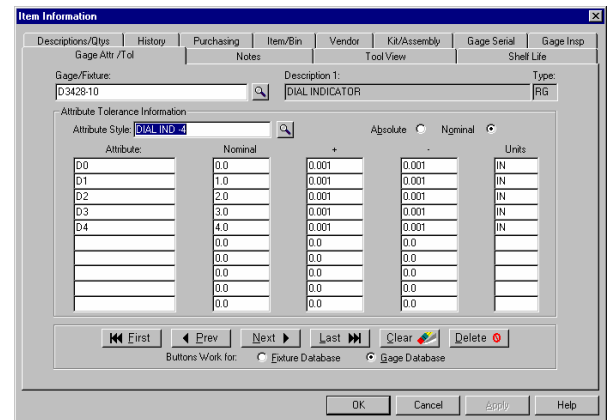
- **Automatic Scheduling**
  Date, usage or frequency can be used to establish the calibration or inspection interval. Scheduling by date permits either the selection of the number of days between the activity or a specific next date. Scheduling by usage defines the number of issues or check outs between an inspection or calibration. Scheduling by frequency allows for the entry of item service levels between activities. All scheduling techniques can be used simultaneously.

- **Calibration Standards**
  The standard used in each calibration is tracked and documented as part of the calibration history.

CRIBWARE Integration

As part of the CRIBWARE system, Gage and Fixture Management shares many standard CRIBWARE functions:

- Check out/Check in
- Inventory Control
- Location Control
- Usage and Cost Tracking

- Purchasing and Receiving
- Advanced Reports
- MSDS documentation

Maintenance Management

Overview

The CRIBWARE Maintenance Management is designed for the management of maintenance activities. This module has Asset Management, Work Order and Task control and scheduling. With Asset Management, a user can identify an asset, check its status, review service history, and provide maintenance task documentation. A Work Order schedules and documents maintenance activities to be performed on your assets, listing all the tasks needed to complete the activity, specific work instructions, asset documentation, part lists, tool lists and employee craft requirements. Work orders are scheduled and tracked and are always viewable on the CRIBWARE screen or in report format. This optional module also manages the craft and employee skill records necessary to efficiently maintain an asset.

CRIBWARE Maintenance Management is available in multi-user, multi-location configurations and is
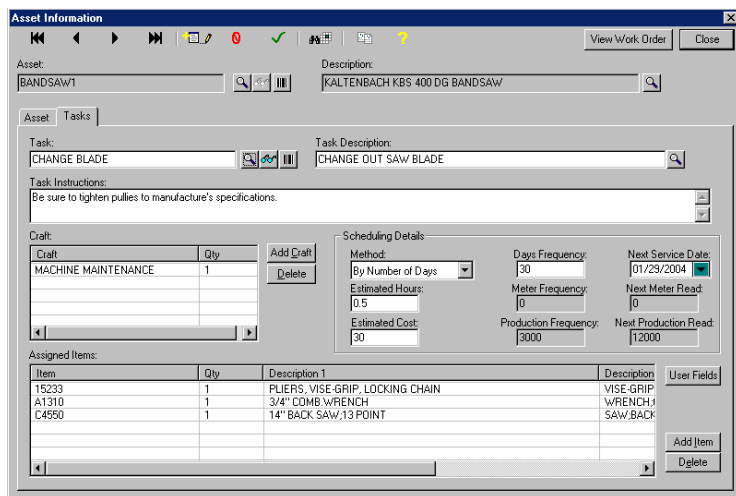
compatible with the CRIBWARE issuing, receiving, material tracking and inventory control modules for the managing of maintenance materials. Point-of-use dispensing and vending cabinets provide secure material storage. CRIBWARE bar code devices are available for fast, accurate information entry and the ToolView module can be used for the referencing of print, documents and manuals.

Features

The CRIBWARE Maintenance Management incorporates:

- Complete asset definition and status tracking
- Task templates for easy work order creation
- Work orders include time estimates, parts and tool lists
- Planned and Emergency work orders
- Work order tracking by status
- Work order scheduling with material requirements
- Online work order viewing and printing
- Craft designations and employee assignments
- Scheduling of maintenance activities
- History files on assets and work orders

- CRIBWARE Check out/in for item usage and tracking to the work order and assets
- Management viewing of work order status
- CRIBWARE inventory control, purchasing and receiving
- Link maintenance schedules with tools and supplies needed
- Integrated bar code printing and scanning
- Numerous standard reports and a custom report generator
- Security on all software functions
- Online viewing of Material Safety Data Sheets (MSDS) and other documents

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Maintenance Management

Benefits

- Enables better planning of maintenance activities.
- Improves and simplifies asset management.
- Reduces need for unscheduled maintenance.
- Documents emergency maintenance
- Increases production uptime by monitoring maintenance on assets.
- Records accurate auditing of asset and maintenance history.
- Tracks the usage of parts and tooling.
- Documents history of maintenance activities.
- Enables efficient use of maintenance craft resources.
- Performs analysis of material used to perform maintenance.
- Manages maintenance more efficiently.

Reports

Maintenance reports are designed to analyze and interpret important management information and provide user hard copy documentation. The reports are robust and graphically pleasing and present the information easily and quickly.

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Job/Operations

The Job/Operations module provides a means for assigning and tracking quantities of items that are consigned to a job and/or operation, during both Check out and Check in. A Bill of Tooling is then created, providing a genealogy of items and may include kits, assemblies, gages, fixtures, and/or tool items for that job or machine. This provides accountability for the items. In addition, the CRIBWARE usage reports provide the value of tooling checked out or used on a particular job or part.

Once job and part records are created, an unlimited number of operations can be built, and items, kits, or assemblies can then be assigned to each operation. Additionally, with the optional Machine module, jobs or parts can be assigned to a default machine for tracking.

Benefits

- Track material usage by job/operation
- Quick check out and check in
- Reduce material selection errors
- Reduce or eliminate paperwork
- Integrated Bill of Material reports
- Facilitates process standardization of jobs

Features

- Complete CRIBWARE descriptions, searching and reporting
- Unlimited operations per job
- Unlimited items and quantities in the Bill of Materials
- Default machine is selectable
- Online printing of bar code labels
- Comment space is available for both jobs and operations
- Operation notes linked to master documents
- ToolView option for viewing drawings and other supporting documents
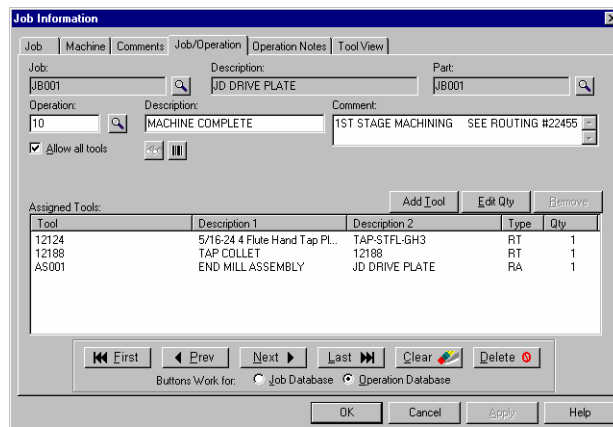
Figure: 04-30.tif

Related Reports

Over 300 reports are available; the following reports pertain to the Job/Operations module.

- Master Job Listing
- Usage by Job
- Where Used
- Job/Operation Items
- Job Start Date

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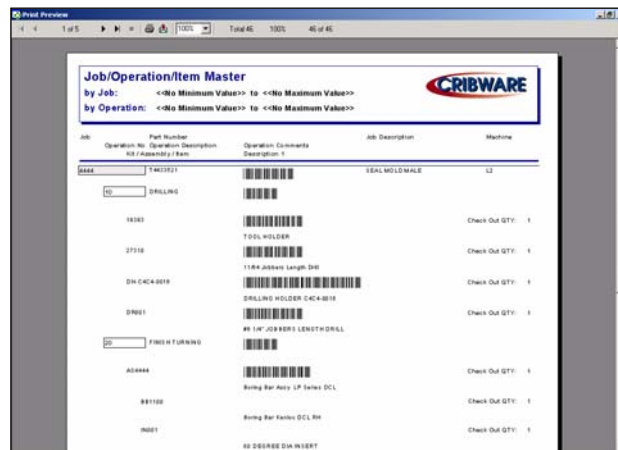
Shelf Life Management

Overview

Shelf life management of items of supply is something that has been around ever since there have been shelves. A shelf life item is defined as an item that will deteriorate or become unstable over time; it therefore must be assigned a maximum storage period to ensure that it will perform satisfactorily when used. Industrial cribs and storerooms have hundreds of items that are time sensitive. Examples include batteries, hazardous materials and paint, welding materials and cleaning supplies.

The Shelf Life module establishes and tracks the time sensitive items by lot numbers and expiration dates. A test tracking function permits the testing of qualified items to determine whether the item can still perform to its specification. Shelf life items include standard and hazardous items, both returnable and non-returnable.

Benefits

- Identification of date sensitive items
- Tracking of items with expiration dates
- Use of oldest material first
- Lot number control of date sensitive material

Features

- Lot/Batch management
- Lot serialization
- Date sensitive material management
- Location and usage tracking
- Retest and scrap by lot/date
- MSDS documentation

Setup of Shelf Life items is quick & easy!

Date sensitive material is managed by expiration date. This date is entered at receiving time and tracked on all Check out and Check in transactions. During Check out, the oldest item that is not expired is issued. An item may be retested, and if acceptable, may be assigned a new expiration date. If items are past the expiration date, they may be scrapped by the entire lot or batch number.

Lot or batch numbers are used to track specific groups of inventory. Usually the grouping is by manufacturer, receiving date or manufactured date. During Check out and Check in the lot number is tracked, providing specific information on the usage and location of the items.

Reports

The Shelf Life Master lists all the Shelf Life items with their Lot numbers and expiration, testing status, primary vendor, location, cost and quantity on hand. The Shelf Life Expired report lists the items by their expiration date, providing information on the item's lot number and description, MSDS number, testing status, location, cost and quantity on hand.

Inventory Adjust

The CRIBWARE application allows inventory adjustments to be made to compensate for human and process errors, or to easily and efficiently setup inventory items in new locations.

Manual Adjustment

Manual adjustment allows users to manually adjust the quantities for selected items. Adjusting item quantities by using the Inventory Adjustment function rather than the Item Information screen, writes a database record documenting adjustment.

Add Items

Adding items to bins by using the Inventory Adjustment function rather than the Item Information screen is a much faster process when many items are being added to a location. This is an efficient technique for setting up a new location.

Figure: 08-10.tif
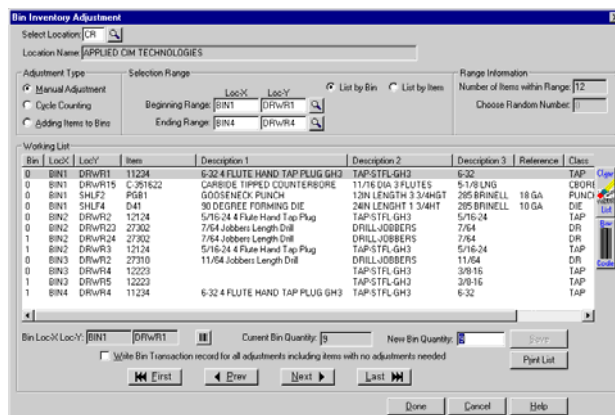
Cycle Counting

The cycle counting function randomly selects items for a physical inventory to be performed on. The results of the cycle counting show discrepancies in inventory levels that may be a result of items that are leaving the crib location without being checked out or incorrect data entry. A resulting inventory accuracy report documents the accuracy of the inventory levels.

Benefits

- Helps maintain accurate inventory records
- Eliminates need for physical inventory
- Estimates accuracy of inventory
- Facilitates easy addition of non-purchased items to bins
- Enables quick implementation and setup of new locations

Features

- Selects items for random cycle counting
- Creates sequential bin list and contents for items to be counted
- Writes transaction record on all inventory adjustments: and records all items that did not require adjustment
- Prints bar code labels for selected items in location order
- Print reports on adjusted items

Related Reports

- Inventory Accuracy Report
- Cycle Counting Report
- Bin Sort Report
- Print Bar codes in Bin Order

Stock Transfer

The Stock Transfer function allows you to transfer items from one storage location to another. This can be done by entering the items manually, by searching for the item you wish to transfer, or the CRIBWARE application will generate an item restock list that needs to be transferred based upon destination location inventory levels. Gages, fixtures, shelf-life items and kits may not be transferred using this activity.

The module has two methods of transfer: Complete (one-step move) or Send and Receive (two-step move).

One Step - This transfer mode performs a complete transfer of item from the source location to the destination location in one step. It decrements the quantity on hand in the source bin locations and increments the quantity on hand in the destination bin locations.

Send - This transfer mode performs the first step of a two step move, by removing the item(s) from the source location and increments the In Transit Quantity for the destination location.

Receive - This transfer mode performs the second step of a two-part move, by removing the item(s) from the In Transit Quantity and increments the quantity on hand at the receiving location.

Benefits

- Facilitates easy transfer of stock from one location to another location
- Helps maintain accurate inventory records
- Tracks and documents inventory transfers
- Assures accurate usage tracking, a stock transfer does not count as usage

Features

- User has control over bin selection and transfer quantities
- Create restock list will select all items below the restock point for the receiving location
- Manual transfers permitted
- Write transaction records on all inventory transfers
- Maintain New, Used and Other condition categories
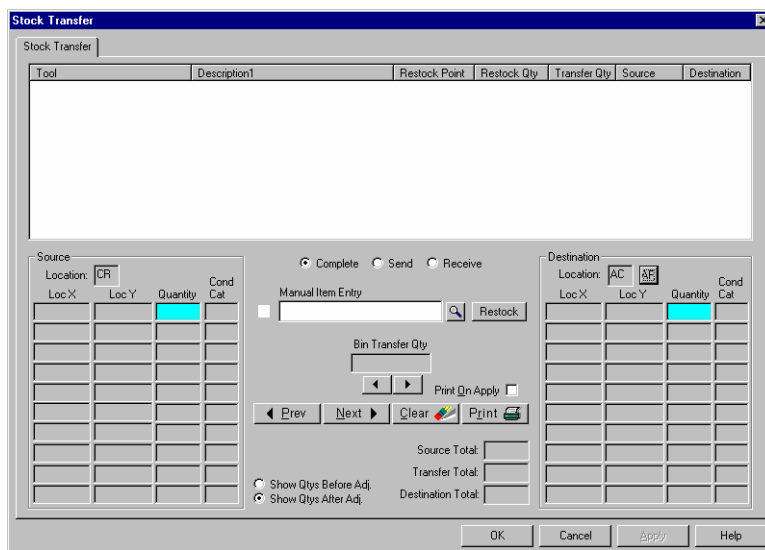
Figure: 08-14.tif

Related Reports

- Transferred Items Report
- Received Items Report
- Crib Restock Report

ToolView

ToolView is a fully integrated document-viewing module embedded within the CRIBWARE® Tool Management system, offering an extensive list of document viewing and management solutions. ToolView integrates vital graphical information into the CRIBWARE system effectively and easily. A print, drawing, or document provides the additional information necessary for comprehensive control over your tooling. Tool crib attendants, presetter operators, engineers, designers and managers, can now quickly access manufacturing documentation, expanding communication between departments, improving quality and increasing productivity.

The ToolView module provides easy access to a drawing, picture, or other documentation of any item, tool, kit, assembly, or job. A CAD system, graphic system or word processor can create prints, drawings, process sheets, or tooling diagrams for viewing within the CRIBWARE system. CRIBWARE's graphic control function puts superb integrated viewing at your fingertips.
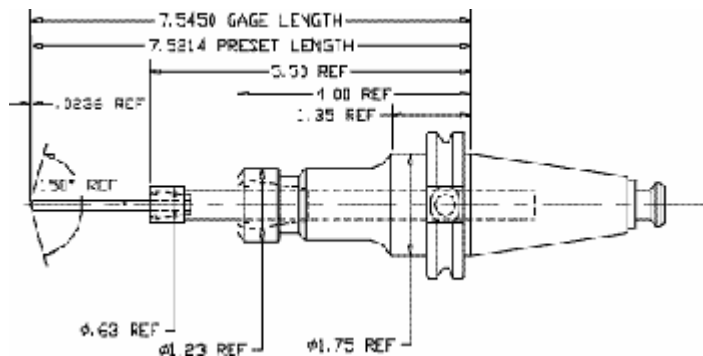
View

- Office formats- Over 150 office formats.
- Engineering formats- Over 75 engineering formats.

Graphical Control

ToolView gives immediate and useful views of your print or drawing through the following commands:

- **Pan, Rotate, Flip**
  Change to the view of your image that is the most useful.

- **Zoom and Unzoom**
  Enlarge or reduce a portion of your document for more detailed information.

- **Convert**
  Convert your files to other formats.

- **Overlay**
  View or print several documents at once, even if they are different formats.

- **Print, Plot**
  Print Preview, Print to Scale and Print to Fit command are available.

Modular Configuration

ToolView is modular and comes in four different configurations.

ToolView	ToolView Professional
- Viewing 150 Office files and 75 engineering files - Graphic control including pan, rotate, flip, zoom, convert, overlay, print and plot	- All of the options in ToolView, plus… - Markup and annotation/redlining of documents - Add text, lines, symbols, shapes, highlights, hyperlinks, and more…
ToolView SolidModel	**ToolView SolidModel Professional**
- All of the options in ToolView, plus… - View, manipulate, measure, print and convert various 3D and 2D CAD 3D CAD and Solid Model files	- All of the options in ToolView, plus… - View, manipulate, measure, print and convert various 3D and 2D CAD 3D CAD and Solid Model files - Markup and annotation/redlining of documents - Add text, lines, symbols, shapes, highlights, hyperlinks, and more…

ToolView Options

ToolView Professional with Redlining

ToolView Professional provides the tools necessary to collaborate and provide feedback on viewed data by marking up or annotating/redlining these documents. Markup files are 2D or 3D overlays on the original document where the user can attach comments and entities. These markups are saved separately from the original, leaving it unchanged. Markup files are associated with the original document, allowing all CRIBWARE users to immediately see what feedback has been created. ToolView's comprehensive and flexible set of markup entities include:
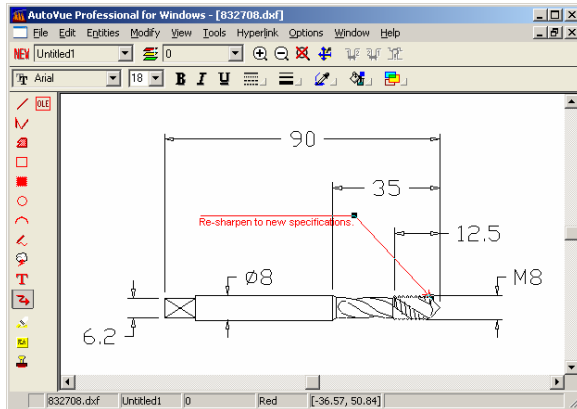
- Text
- OLE Objects
- 3D Measurements
- Hyperlinks to documents or URLs
- Shapes: Arcs, Boxes, Circles, Clouds
- Sticky-notes
- Lines, Polylines
- Leaders
- Highlights
- Freestyle
- Symbols
- User Defined Entities

Solid Model (Standard and Professional)

ToolView provides a single point of access and a common user interface, allowing users to natively view, manipulate, measure, print and convert various 3D and 2D CAD documents. The most popular 3D CAD formats and their associated 2D drafts are supported, providing native access to accurate part and assembly data. ToolView allows you to work directly with documents in hundreds of different file formats without the authoring applications, while fully preserving the original document intact.

- CATIA (2 & 3D)
- Pro/Engineer (2 & 3D)
- Unigraphics (2 & 3D)
- SolidWorks (2 & 3D)
- Solid Edge (2 & 3D)
- Autodesk Inventor (2 & 3D)
- DirectModel JT
- SolidDesigner
- SPATIAL ACIS
- Parasolids
- Mechanical Desktop (2 & 3D)
- IGES (2 & 3D
- STL, STEP, VRML
- And many more...
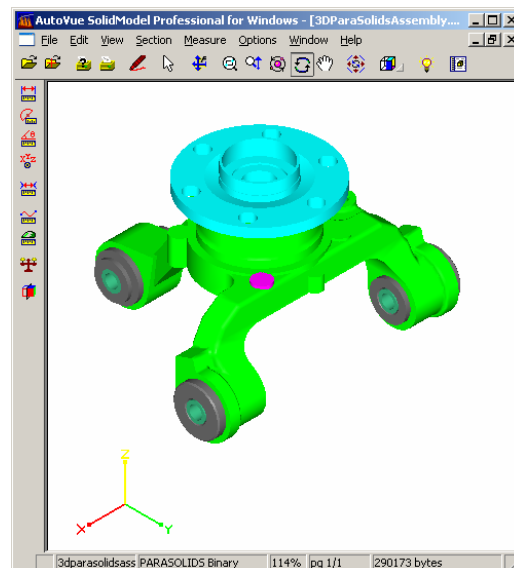
CRIBWARE Client Server

Overview

The CRIBWARE client/server architecture allows users to maximize performance and improve data integrity since all database operations take place on the server machine. Clients access the server only when requesting data and only the results travel across the network. In addition, the SQL Server includes optimizations to improve nested query performance and performance of queries joining many tables.

Benefits

- Performance - increased speed
- Robustness - improved data integrity in mixed multi-user environments
- Efficient - administration ease, data maintenance, small hardware footprint
- SQL - data analysis
- Maximizes hardware resources

Features

- Runs on "Microsoft" servers and workstations
- Easy to use
- Customer can purchase a license with up to 1,024 users
- Secure data
- ODBC compatibility

Server:
A program that provides some service to other (client) programs. The connection between client and server is normally by means of message passing, often over a network. The server will run continuously, waiting for requests to arrive from the clients.

Client:
A computer system or process that requests a service of another computer system or process (a "server") and accepts the server's responses.

The Client/Server advantage

Data Integrity
Since a single application - the CRIBWARE Server - is in charge of all open database tables, the data remains in more controlled environment resulting in improved data integrity. This intangible & transparent advantage provides a substantial benefit since most manufacturing and service organizations can't afford down time due to data corruption.

SQL Support and Conformance
Tailored for high volume production environments, the SQL Server includes optimizations such as sophisticated query rewrite techniques to improve nested query performance and join-order optimization to improve performance of queries joining many tables. The SQL Server extensively caches and buffers information for maximum transaction and query throughput. The SQL Server includes embedded SQL and interactive SQL utilities, and an ODBC driver.

Cache Performance
Since the CRIBWARE Server is managing all the data files, huge caches can be created on the computer actually running the CRIBWARE Server to boost performance. Performance increases of 10% to 40% can be expected depending on system load (e.g. how many users/specific operations are being performed), operating systems used and other applications running on the server.

Growth & Asset Protection
CRIBWARE features that take advantage of new market technologies also require greater processing power. Better performance translates directly to extended computer life in two ways:
- After several years, replacing the Server computer with newer equipment provides performance enhancements across the network and is more cost effective than replacing workstations.
- Concentrating the power (and cost) on the server and within the network backbone allows less computer power at the CRIBWARE workstation.

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CRIBWARE Client Server

Who needs it?

The best candidates for CRIBWARE Server are installations that have:
- Huge data volumes
- Multiple workstations in use simultaneously
- Remote sites operating on a shared CRIBWARE database structure

System Operation

CRIBWARE SERVER CONFIGURATION

Network

CLIENT   **CRIBWARE SERVER**

| CRIBWARE |

Requests →
← Results

Up to 1024 Clients

CLIENT

| CRIBWARE |

Requests →
← Results

Requests →
← Results

CRIBWARE
    Searches
    Calculations
    SQL Queries
    Reports

Database Management
    Read
    Write
    Unlock
    Lock

→ CRIBWARE DATA

The operational simplicity of the CRIBWARE Server conceals an engine that has been continuously refined over the past twenty years. The CRIBWARE Server utilizes native low-level threads providing exceptional performance. All disk I/O is performed by the Server, taking full advantage of sophisticated data and index caches, and thereby minimizing network traffic for maximum performance. Heavily dynamic indices are automatically maintained for optimal speed and size.

FairCom Servers are easy to set up and require minimal system tuning. The database is automatically self-tuning, compensating for the variations in numbers of end-users. This solution requires minimal ongoing administration and maintenance.

The CRIBWARE Advanced Reports (e.g. Crystal Reports) can be used to create custom reports and graphs independently by the end-user.

The database is also fully compliant with the universally adopted ODBC (Open Database Connectivity) standards. All data can be directly exported to other database formats (e.g. Microsoft Access, Oracle, Sybase, SQL Server).

Installation

A CRIBWARE Server (software) must be purchased based on the number of expected users and installed to the computer that will be used for a network server. An administrator's guide that explains installation, setup, and administration of the server software accompanies this software.

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CRIBWARE Client Server

Multiple facilities • Remote facilities • Multiple storage locations • Vendor collaboration

CRIBWARE
Workstation
(With CRIBWARE Client)
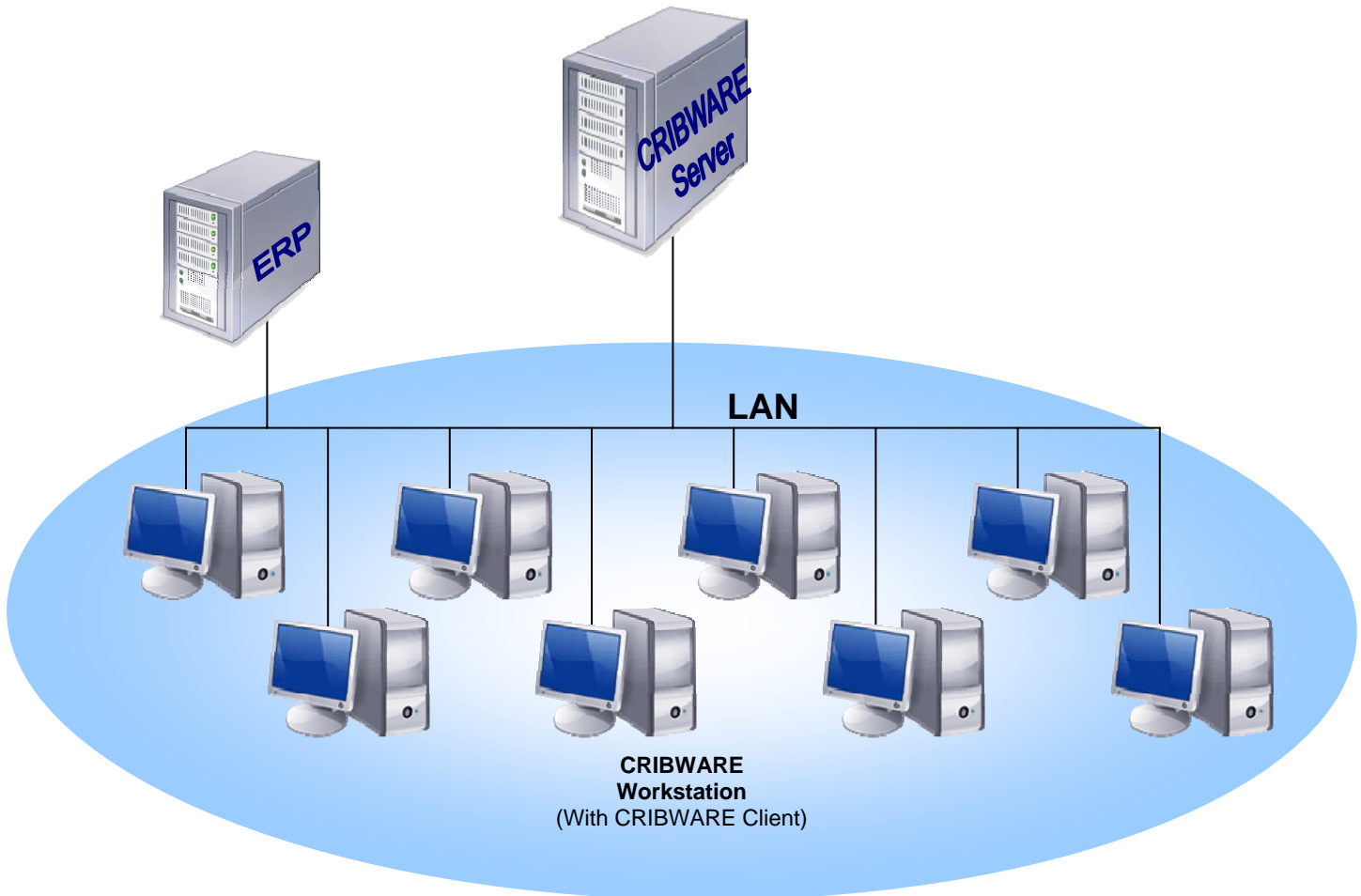
BENEFITS	LOCATION OPTIONS	SYSTEM REQUIREMENTS
Robust record locking	One Facility	Server sized to Users
Accommodates slower local area network	Multiple Users (>5)	Windows 2000 or XP
Fast computational turn around	Multiple Storage Locations	
Increase data access speed		

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CRIBWARE Module Selections

Bar Code Data Collection

CRIBWARE bar code technology offers simple, accurate and cost effective data collection.

- **Bar Code Readers**
  Wedge readers (corded and RF scanners) are economical bar code scanners. Cordless scanners are the most common bar code devices sold today.

- **Portable Transaction Managers**
  A portable scanner provides roaming flexibility.

- **CRIBWARE Quick Print**
  Print bar code labels in one easy step, on demand, or in batch mode, for efficiency.

CRIBWARE is optimized for Bar Coding

Secure Storage

Secure storage solutions reduce shrinkage, place material closer to the point of use, insure cost tracking and reduce administrative labor in cribs or storerooms.

- **CRIB-ACCESS**
  Secure material with a software-controlled, electromagnetically locked, gate or door to your storage location.

- **Stock Supervisor**
  Self-serve convenience with software optimized for items stored in locked Lista cabinets.

- **CRIBPOINT Vending**
  Versatile, rugged, low-cost, industrial dispensing systems for cutting tools, welding accessories, MRO and other supplies at the point-of-use, with complete usage and cost tracking.

- **TDS**
  Heavy-duty, unmanned, computer controlled storage and retrieval units individually dispense parts, supplies or cutting tools directly to the user.

- **Kardex**
  Access control, usage tracking and replenishment of material in Kardex Industriever Vertical Lift units can be managed by CRIBWARE software.

- **Remstar**
  Use CRIBWARE machine control for usage tracking and replenishment of Remstar Shuttle or Vertical Carousel storage and retrieval units.

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Bar Code Printing

Bar code label print is fully integrated into the CRIBWARE system. CRIBWARE offers several solutions to meet you label needs depending on the volume of bar code labels to be printed, their size, the alphanumeric characters needed, the media used, and your budget.

Laser printers can successfully print great-looking bar code labels. However, laser printers may improperly scale the bar codes, causing reliability problems. High-resolution laser printers do not print the spaces in bar codes correctly to insure readability.

QuickPrint for On Demand Label Printing

- Easy, one-step printing
- Print labels on demand
- Print single labels from the various database information screens
- Printing of labels for items, employees, departments, jobs and operations, and machines
- Bar codes optimized for printing 2.25" X .75" or 3" x 1" labels
- Supports only the 3 of 9 bar code symbology

Advanced Reports for Label Volume Printing

- Print full pages of labels for items, employees, departments, jobs and operations, and machines
- Print individual labels for items, employees, departments, jobs and operations, machines, gage/fixture serial numbers, and shelf life lot numbers
- Bar code printing on 2.25" X .75", 3" X 1" and 4" X 1" media
- Supports only the 3 of 9 bar code symbology

Bar Code Printers

The Zebra TLP 2844 printer present s big performance in a small package, at an affordable price.

- Direct Thermal and Thermal Transfer capability
- Parallel/Serial/USB interfaces
- Printing speed up to 4" per second, at 300dpi
- Print media from 1" to 4" wide
- Small footprint and reliable operation
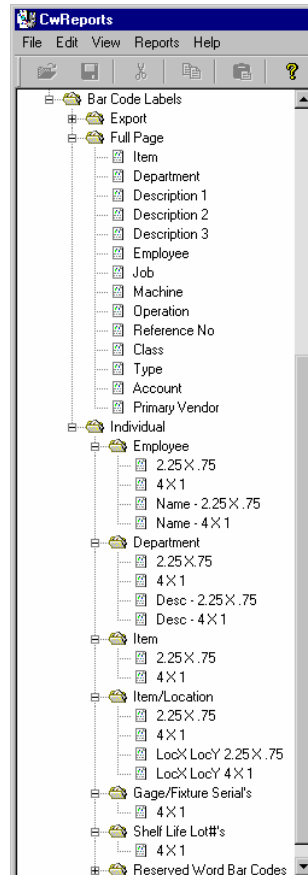
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Cordless Bar Code Readers

Information Collection - Fast and Easy!

Bar coding is a proven, complementary technology that adds to the efficiency and effectiveness of your crib management system. It lowers operating costs, simplifies use, and improves the accuracy of your crib management system. Both corded and RF scanners are available for economical label scanning, but cordless scanners are the most common bar code devices sold today. Cordless scanners can be used anywhere you need a bar code reader and it reduces the total cost of ownership while increasing performance and improving operational efficiency.

Features

- Durable industrial designs are built tough to withstand common abuse for many years.
- Wireless technology with an operating range of 33'/10m to 328'/100m (varies by model)
- Class 1 Bluetooth® wireless technology available
- User replaceable lithium-ion battery that charges in as little as 4 hours
- Aggressive laser or linear imaging performance.
- Operates up to 8 hours on a single charge
- Light weight and easy to handle
- Supports a wide variety of bar code types (symbologies)

Benefits

- CRIBWARE Check out and Check in are optimized for bar code scanner use
- Stands up to tough industrial environments
- Large RF range makes work easier in large facilities
- Eliminates hand-keying operations while increasing overall productivity
- Efficient system setup
- Reduced operator training and errors
- Increased data collection flexibility
- Increased operator satisfaction, without increasing the daily tasks of personnel

Wedge Technology

The CRIBWARE bar code readers use wedge technology. The base station of the bar code reader plugs directly into a USB port on the PC. When a bar code is scanned, the data goes into the computer just as if it were typed in on the keyboard.

CRIBMATE II Data Collection System

Bar coding is a proven, complementary technology that adds to the efficiency and effectiveness of tool crib management systems. It lowers operating costs and simplifies and improves system use and accuracy. In fact, most applications of bar code technology reduce the data collection tasks, while at the same time improving effectiveness and precision of data collection. The CRIBMATE II System performs bar code reading and transaction processing in areas remote from a CRIBWARE workstation.

CRIBMATE II Benefits

- Faster information entry
- Systematic system setup
- Reduced operator error
- Reduced user training;
- Increased data collection flexibility
- More accurate tracking
- Increased operator satisfaction

CRIBMATE II Data Collection Bundle consists of:
- 52 key, mobile, linear imager, bar code scanning terminal
- CRIBMATE software for
  - Check out/Check in
  - Receiving
  - Inventory Counting
- Spare battery
- Communication dock for batch information update and battery charging
- Cabling
- Manual

Mobile CRIBWARE Operation

With the aid of the CRIBMATE II mobile bar code scanner and integrated software, a CRIBWARE operator can perform all crib functions in an efficient manner:

- Check out/check in of items, tools, and other supplies
- Receiving of purchased items
- Physical inventory counting

To perform a remote check out/in (issue and return), an operator scans the bar code and enters the quantity checked out as the tools are issued to the employee, job, operation, department, machine, work order, task or asset. Kits can also be managed. When a kit is needed, the operator scans a single bar code for the check out/check in of all the items in the kit.

Remote receiving of inventory allows the operator using the CRIBMATE II to receive inventory into the CRIBWARE system while out on the shop floor, at the loading dock, or in a central receiving area. This flexibility reduces the transportation of tooling inventory and decreases receiving data entry time.

The physical inventory function enables quick and accurate system setup, cycle counting data collection, and periodic physical inventory and auditing. By simply scanning a bar code and entering the quantity of an item, the operator can collect data on several hundred items, and then upload the quantities into the CRIBWARE database.

The ruggedized industrial bar code scanner uses linear imager technology that reads labels up to 15 inches away, is reliable with no moving parts, and has 52 keys and a large display.

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Specifications

Bar Code Symbologies
BPO, Codabar, Codablock, Code 11, Code 2 of 5, Code 39, Code 93, Code 128, DataMatrix, EAN.UCC Composite, Interleaved 2 of 5, Maxicode, Matrix 2 of 5, Micro PDF417, MSI, PDF417, Planet, Plessey, QR Code, RSS, Telepen, TLC 39, UPC/EAN

Hardware
200 MHz Xscale processor
160 x 160 pixel, backlit, scratch resistant, monochrome display
Communications Dock and single slot battery charger
Extra battery included

Physical Dimensions
Length: 8.0 in (20.3 cm)
Width: 3.5 in (8.9 cm)
Depth: 2.15 in (5.5 cm) with standard case, 2.45 in (6.2 cm) with wide case
Weight: 16.8 oz (476 g)

Power
Operating: Rechargeable 2400 mAh lithium-ion battery
Battery Life: Eight or more hours at typical usage level
Backup: Super Cap supplies 10 minutes bridge time while replacing the main battery

Electrical
Models: CK30A, CK30B, CK30C
Electrical rating: x 7.4 to 12 VDC; 500 mA peak

Temperature and Humidity
Operating temperature: -10°C to 50°C (14°F to 122°F)
Operating humidity: 10 to 90% non-condensing

All CRIBMATE II systems listed below include:
- CK-30 Monochrome, batch, 52-key, 32MB RAM, integrated linear scanner
- CRIBMATE II software for Check out/ Check in, Receiving, & Physical Inventory functions

CMHB	**Handle Held Bundle** Extra Battery Pack Communications Dock w/Power Supply Communications cable User's manual CRIBWARE Bar Code Upload License	CMPB	**Pistol Grip Bundle** Extra Battery Pack Communications Dock w/Power Supply Communications cable User's manual CRIBWARE Bar Code Upload License Pistol Grip with Trigger

CM2	**Additional Hand Held System**
	Communications Dock w/Power Supply
	Communications cable
	Additional CRIBWARE Bar Code
	  Upload License
		CMPG2	**Additional System w/ Pistol Grip**
			Communications Dock w/Power Supply
			Communications cable
			Additional CRIBWARE Bar Code
			  Upload License
			Pistol Grip with Trigger

CMA	**Hand Held Mobile Computer** Loaded with CRIBMATE software Requires one of the above	CMPGA	**Mobile Computer w/ Pistol Grip** Loaded with CRIBMATE software Requires one of the above

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CRIBMATE II Accessories

You can use these accessories (options) with the CRIBMATE II Subsystem.

4-Slot Battery Charger
Charge up to four batteries at one time.

4-Bay Battery Charging Dock
Charge up to four batteries without removing them from the scanner.

4-Bay Communications Dock
Use the Hold up to four scanners with a battery installed and provides a communication dock for each scanner.

Protective Case
The protective case provides a clear vinyl covering to protect the scanner screen and keypad area.

Protective Boot
The protective boot provides additional ruggedness for the scanner.

Holster and Belt
The holster and belt provide a convenient way to carry the CK30 when not in use.

Hand Strap
The removable and adjustable hand strap makes it easy to hold and use the scanner.

Pistol Grip Handle
The user-installable and removable pistol grip handle is ideal for highly repetitive scanning situations or accommodating user preference.

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CRIBPOINT Vending

Vending machines are a versatile, rugged, low-cost industrial dispensing system for cutting tools, welding accessories, MRO and other supplies at the point-of-use. More robust and versatile than consumer-grade vending machines, CRIBPOINT Vending works for you 24 hours a day, 7 days a week!

Exclusive dispensing aids and adapters enable the issuing of parts with irregular geometry, dramatically reducing the need for repackaging and ensure trouble-free dispensing in even the most challenging industrial environments. A unique easily-reconfigurable helix design provides flexibility that can meet your dispensing needs today and for many years to come.

Features

- Items issued at the point-of-use
- Perfect for high volume items
- Network-ready for flexible positioning in your facility
- Configured to dispense a wide array of products
- Economical and dependable operation
- Vend validation technology
- Touchscreen interface easy to learn
- Tracks item consumption

Benefits

- **Individual Item Dispensing**
Items can be dispensed as individually or as packages.

- **Point-of-Use Availability**
Items are stored and available where they are needed and used.

- **Secure Inventory Storage**
Secure in a rugged cabinet under computer control.

- **7-day, 24-hour Control**
Available anytime, controlled all the time.

- **Single Software Interface**
Simple operations reduce training needs.

- **Networked to CRIBWARE**
The CRIB Point activity is monitored, controlled and reported by the CRIBWARE system.

Configuration Flexibility

CRIBPOINT Vending is completely flexible in its configuration. These units are designed to accommodate a wide variety of different sizes and shapes. They are ideal in areas where a large variety of unique items are to be dispensed.

Each standard machine can vend up to 60 different items stored in helices and up to three compartments may be used to dispense an item. A double or triple compartment width subtracts from the standard 60-helix cabinet maximum. Helices are located on trays, with a maximum of 10 helices per tray. Each helix has a number of turns that determine the quantity of items that can be stored in that location.

Stock Supervisor

CRIBWARE Stock Supervisor provides secure and easy access to material stored in Lista cabinets. Utilizing the Lista e-Lock mechanism, the cabinet is unlocked using password control, and automatically re-locks to restrict access. The user quickly scans the items to be removed using a bar code reader, and the CRIBWARE software tracks the material usage, reordering when the stock runs low.

Standard Lista cabinets are available in various heights and drawer configurations to meet unique storage demands and are designed to save space and permit efficient material organization.
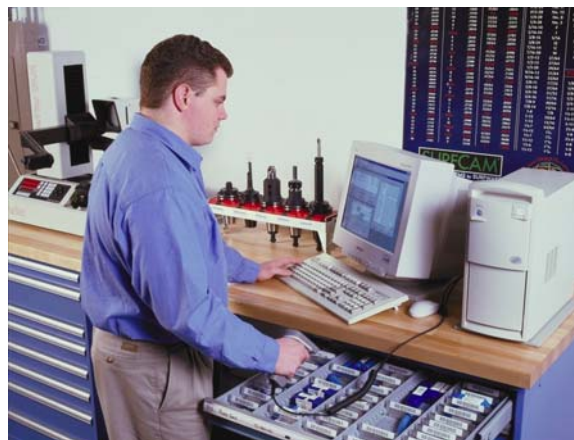
Features

- Cabinet entry requires a password and is tracked by the CRIBWARE software.
- Cost and usage tracking parameters may be used to restrict unlocking cabinetry.
- Cabinet unlocks for item issuing, returning, receiving, restocking and transferring, and locks at the completion of the activity.
- Stock Supervisor controls up to ten cabinets with one master station.
- Existing Lista cabinets may be retrofitted with e-Lock controls.
- Emergency unlock is available.
- Cabinets available in various heights and drawer configurations, with customizable drawer compartments.

A variety of cabinet sizes are available.

Benefits

- Easy to implement. Easy to learn. Easy to use.
- Reduce shrinkage and increase security.
- Decentralized item control for use on the plant floor in restricted access cabinets.
- Utilize bar code technology to improve accuracy, efficiency, and user acceptance.
- Items are secure until needed and are managed by the CRIBWARE system, providing multi-level security and dynamic reporting capabilities.
- Reduce inventory levels while improving inventory accuracy and accountability.
- Items may be stored at the work center where they are needed.
- Automatic reorder and inventory level management.
- Standard cabinetry with flexible item storage.

Recording what items are taken from the cabinet.

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TDS

TDS units are heavy-duty, unmanned computer controlled storage and retrieval units that individually dispense parts, supplies or cutting tools directly to the user.

Features

- Items Do Not Drop
- Individual Dispensing and Returning
- Secure Control with Automatic Reordering
- Complete Inventory Control and Accountability
- Stocking and Restocking
- Economical Stocking of up to 1630 Unique Items
- 24 x 7 Availability
- Repackaging is Not Required

Items do not drop! A tray is moved to operator height and a door opens giving access to only the item requested. Items easily

dispensed are hand tools, fasteners, gloves, cutting tools, MRO supplies, safety items, medical supplies, and repair parts.

Choose size and tray configuration

A user friendly color touch-screen for operator use and CRIBWARE software provide the ultimate in data collection and reporting functions (i.e. who, what, when, where, why) required by today's supply manager.

Benefits

- **24 x 7, Point-of-Use Availability**
  The item is always available, where it is needed.

- **Positive Inventory Control to Reduce Stock Levels**
  Maintain control over inventory locations and have up-to-the minute information about maximum stock levels, usage history, quantities on hand, and quantities checked out.

- **Avoid Stock Outs**
  Reorder reports flag quantities falling below the set minimums and provide automatic purchasing.

- **Usage and Cost reporting Improves Accountability**
  Capture accurate usage and cost reporting by item, department, job, part, machine operation or employee.

Point-of-Use availability

- **Return Items**
  Items may be returned and used again.

- **Secure Restocking**
  Multiple vendors can restock and are limited to their specific supplied items.

Configuration

TDS models range in capacity from 18 to 163 trays. Each tray can be divided into 10 individual compartments. Several different tray sizes are available.

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CRIB-ACCESS

CRIB-ACCESS provides secure and controllable entry into cribs and storerooms. Utilizing CRIBWARE and an electromagnetic lock mechanism, the crib or storeroom is unlocked using password control, automatically re-locking to restrict access. The user enters the password via an entry device such as a keypad, bar code scanner, or a CRIBWARE screen and exits via a push button. The electromagnetic lock may be installed on doors or gates.

Benefits

- Access to a crib or storeroom in restricted and entry history is maintained.
- Flexible configuration. Easy to implement.
- Material is secure until needed.
- Provides multi-level security and dynamic reporting capabilities.
- Reduces shrinkage and increases security.
- Utilizes automatic reader technology to improve accuracy, efficiency and user acceptance.
- 24/7 control of cribs and storerooms.

Features

- Entry requires a password and is recorded by the CRIBWARE software.
- Password entry device options include the CRIBWARE screen, keypad or bar code scanner, and magnetic strip and proximity card readers.
- Electromagnetic lock with flexible mounting brackets and 1,500 lbs. of direct holding force.
- Designed for gates and doors.
- Exit Push Button for convenient exiting of room.
- No moving parts – low maintenance.

Requirements

- A CRIBWARE Basic system configuration system is required.
- Customer is responsible for meeting all safety requirements including all local electrical and building codes.
- Installation to be performed by customer supplied skilled electrical and mechanical craftsmen.
- Entry devices must be dedicated to the CRIB Access function.
- Uninterruptible power supply is required for the Crib Access system.

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Services for Success

Experience

CRIBWARE was introduced in 1984, in an Iowa machine shop, as one of the first computer-based tool management systems to control, track and manage tools. Over the past two decades, we have introduced many new crib management concepts: kitting, automatic storage and retrieval systems, multi bin/multi location, shelf life, and document viewing. The system is modular, permitting customers to build upon and add functionality, as needed.

Today, CRIBWARE systems are managing material in a diverse group of industries: aerospace, automotive, consumer goods, contract manufacturing, defense, chemical and petroleum refineries, foundries, industrial machinery, job shops and industrial distribution. Some familiar names include General Motors, Eaton, Babcock and Wilcox, U.S. Navy, U.S. Army, Siemens, NASA, Chrysler, ExxonMobil, Ford Motor Company, Toro, Honda Corporation and Parker Hannifin.

Training assures success

We are just as proud of our installations at small and medium sized companies, and pride ourselves in fitting the solution to your specific needs.

We use state-of-the art development tools supported by excellent working relationships with industry leading vendors to ensure quality solutions and services that contribute to the success of our customers. All of our clients, large and small, enjoy our long standing reputation for incredible service and support. Our emphasis is to help you become more efficient and maintain that efficiency.

Presale Analysis and Cost Justification

Experienced Applied CIM Technologies personnel will assist in the pre-sale analysis and if necessary, prepare a cost justification to ensure a cost-effective solution.

Installation and Legacy Data

Our technicians are experts in collecting, cleaning, and migrating data from legacy systems to CRIBWARE. The steps in our conversion methodology include a comprehensive data survey, preparation of a conversion and integration strategy, developing and testing data export and import processes, and data validation. Other installation services may include software loading, custom reports, bar code device set up and secure storage installation.

Training

Training is available at your installation site, an Applied CIM Technologies facility or via the web, and will include technical instruction, set up assistance and hands-on information for daily system use.

Annual Service Agreement

To ensure ongoing success, an annual service contract is available, providing technical support for operational and procedural questions and problems, software updates ensuring that your company will be running the most current CRIBWARE software and maintaining this competitive technological edge in future years. Technical support is available by telephone and/or email. A web site also provides answers to frequently asked questions and resource documents.