



A Cutting Edge Solution...



Our Commitment to You...

- **Cost savings on procurement process**
- **Cost savings on holding inventory**
- **Reduction in product usage by at least 20%**
- **Competitive product pricing, to match added value to your profitability**
- **Our continued product & technical support to enhance cost effective solutions to your needs**
- **Continue to add value to customer needs, resulting in both, customer and A.C.T. profiting from this relationship**



SERVING WESTERN CANADA FOR OVER 47 YEARS

100% CANADIAN OWNED



Your Total Management System

Control inventory, streamline purchasing and drive down costs. The **MATRIX TOOLCRIB** combines the most innovative automated tool dispenser around with the powerful management software, MATRIX-TM. The **MATRIX TOOLCRIB** can store hundreds of different stock items in one compact cabinet. Choose the "Standard" configuration, or customize your machine to tailor fit your needs and requirements.

MATRIX TOOLCRIB Versatility

Flexibility is key to any storage solution, and MATRIX excels. MATRIX offers a variety of drawer and bin configuration that can be swapped in and out. Add-on cabinets are connected with a click of a cable. Multiple master cabinets can be deployed in different location and networked to run off of one common database. A truly modular system that grows with you as your needs change. Access to MATRIX is electronically controlled by the management software according to pre-defined authorizations.

MATRIX Technology

- Dual Locking System
- Large Industrial Touchscreen
- Plug & Play "Smart" Electronics
- Ergonomic Design
- Remote Diagnostics

MATRIX Intelligence

- Double security – Each drawer and bin is locked to prevent unauthorized use
- Computer and electronic components are accessible from the front of the machine
- Easy to transport and move around if needed
- Manual over-ride – Your production never stops even in cases of power failure
- Bar code reader for quick and reliable entry of job numbers, tracking numbers, or issuing products
- Bar code reader can be adapted to work with existing data used on your shop floor!
- Slopped back ergonomic design for easy viewing of stored items



Now with **21 Supported Languages: Arabic, Chinese, Czech, Danish, Dutch, English, Finnish, French, German, Hebrew...**

MATRIX-TM Modules

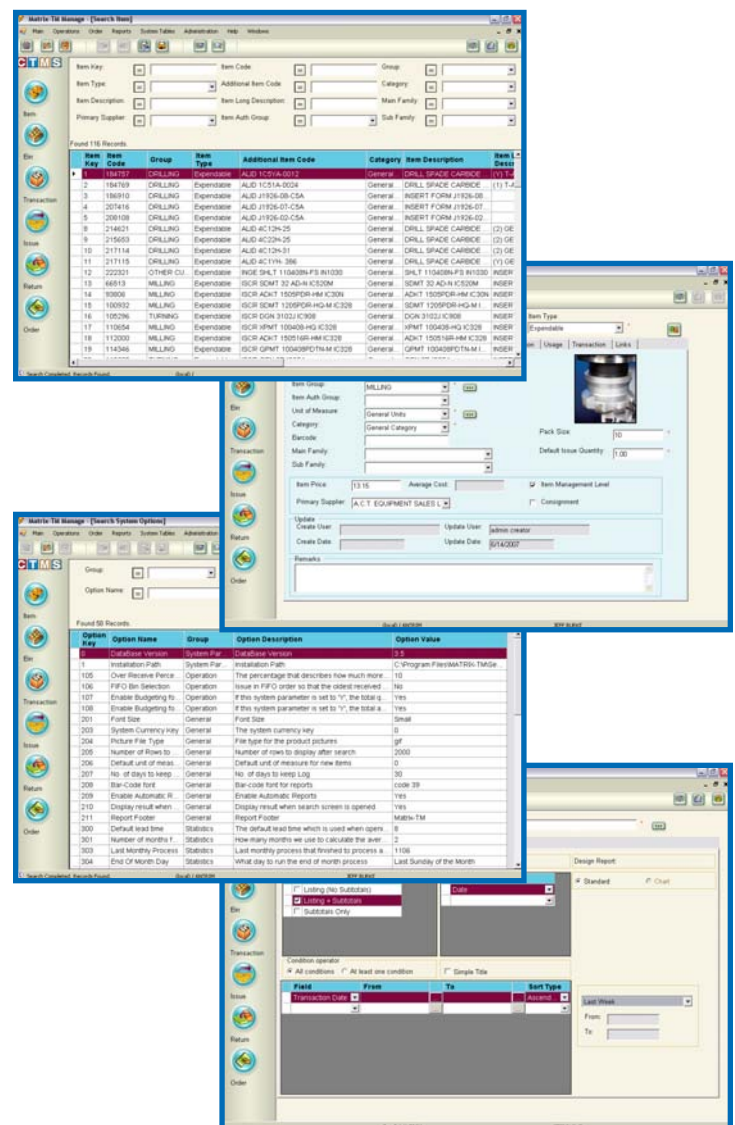
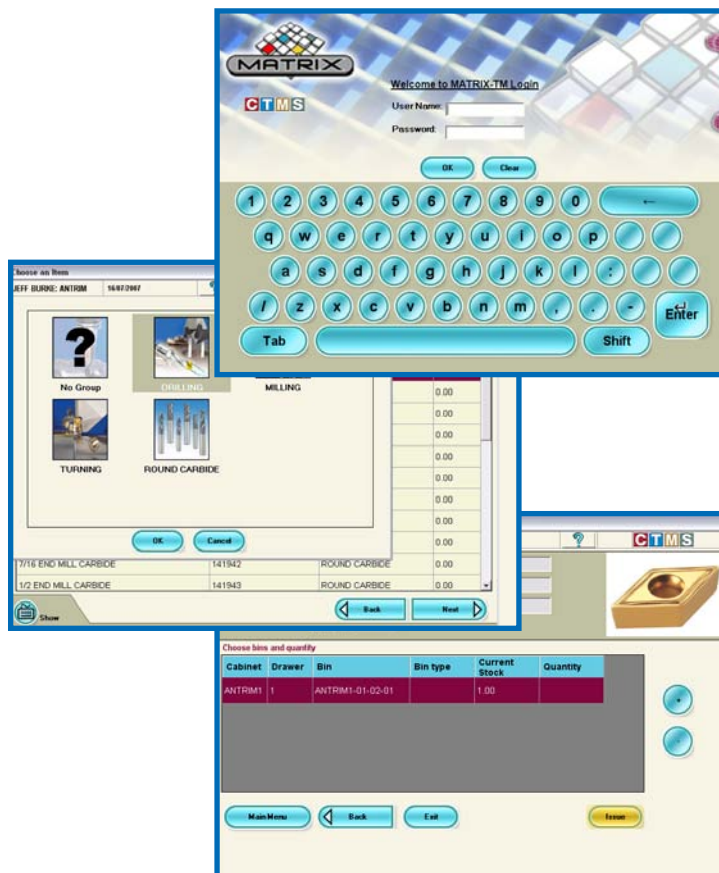
MATRIX-TM is a state-of-the-art, fully featured software package that enables you to efficiently manage your entire stock of tools.

TOUCH – An easy-to-use and learn touchscreen-based application, which allows the user to issue, return, and maintain items stored in the MATRIX dispenser.

- **NEW!** Issue the right tool for the job - Filter items according to a user selected Part or Job
- Transactions function for supervisors to correct and undo users transactions quickly and easily
- Transfer Order function to transfer stock between multiple MATRIX units within your company
- **NEW!** Customizable item search screen
- **NEW!** Print pick tickets for externally stocked items
- Search for items using keywords, family filters, list of items or look at automatically thumb-nailed images of items

MANAGE – A comprehensive application for the management of your entire stock of tools. With the in-depth reporting tools, you'll be able to measure more than ever, so you can manage even better than ever!

- **NEW!** 21 user-defineable languages
- More flexible MATRIX-to-SAP interface for tighter integration with SAP systems
- **NEW!** Even more pre-made reports, increased report fields, and improved chart characteristics
- **NEW!** Set time period to define when an item is considered "dead" stock



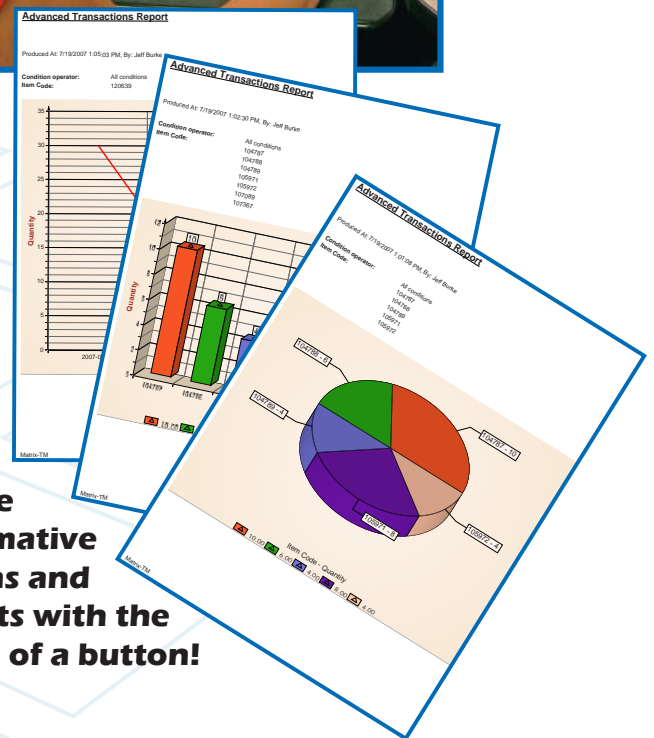
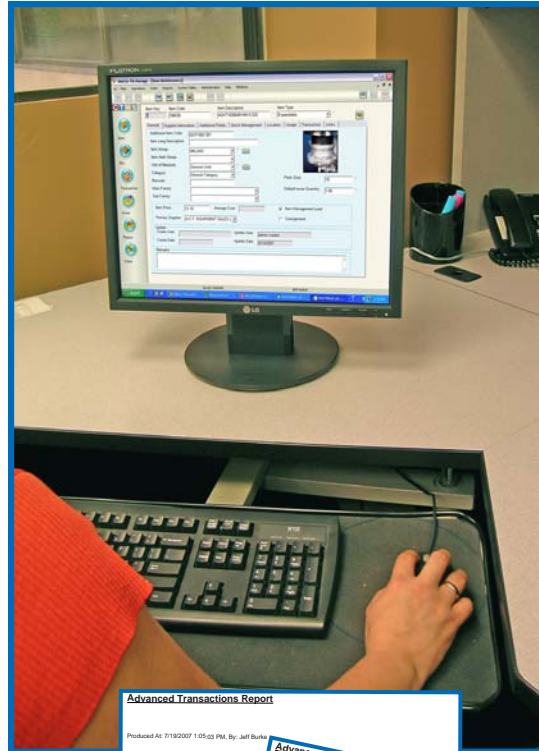
The Future is Now!

MATRIX-TM Features

- Full transaction history, by item, employee and cost code
- Consumption statistics for better planning and cost reduction
- Automatic calculation of re-order points and purchasing
- **NEW!** Choose from 21 languages, which are user-defined, to work with in Manage and Touch
- Kit management to issue lists of items
- Attach photos and documents to items
- **NEW!** Force old, reworked items to be issued before new items
- Manage items for re-work
- Create reports and graphs that can easily be viewed by Excel or a web browser
- Create and Schedule reports in a variety of formats like Excel (.xls), XML (.xml), CSV (.csv) and PDF (.pdf) which can be emailed, filed or used as a tool for integration with other systems
- Import engine for receiving data from other systems
- Database administration tools
- MATRIX-TM developed with the latest technologies using Microsoft .Net 2005 Visual Studio
- ERP integration using SAP
- **NEW!** Supported Languages: Arabic, Chinese, Czech, Danish, Dutch, English, Finnish, French, German, Hebrew, Hungarian, Italian, Japanese, Korean, Polish, Portuguese (Brazil), Russian, Slovak, Slovenian, Spanish and Swedish

Drive Down Cost

- Suits small organizations as well as large enterprises
- Manage multiple sites
- Reporting tools to drive down production costs
- Regulate user access to items by Authorization Groups and Budgets
- Reduce down time – the sophisticated planning engine ensures that needed items will be at the point of use on time
- Easy-to-use with a fast learning curve
- Cut your tool inventory and management costs
- **NEW!** Dead Stock Report with customizable period of time for stock to be considered “dead”



**Create
informative
graphs and
reports with the
touch of a button!**

**Up to 882 Individually Secured
Bins Per Machine Using nine
D50-1 Drawers Containing 98
Bins Per Drawer!**

1

Sign In Manually With The Touch Screen or Choose Other Options For Even Quicker Login:

- Barcode Cards
- Magnetic Swipe Cards
- Cards with Imbedded RFID Tag

MATRIX TOOLCRIB Can Also Utilize Existing Employee Badges/Access Cards!

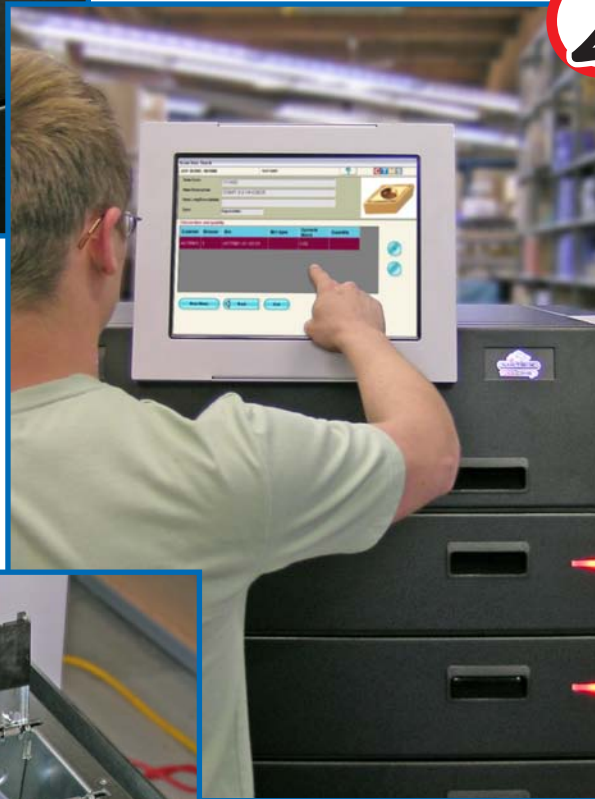
Contact us for Details and to Ensure Compatibility!



2

Select The Item You Wish To Issue Using Different Methods of Searching:

- Item Groups
- Keyword Searches
- Product Pictures



3

Select Quantity Required... And the Drawer and Bin Associated with Your Item is Unlocked!

Returning, Receiving and Adjusting products is just as easy!

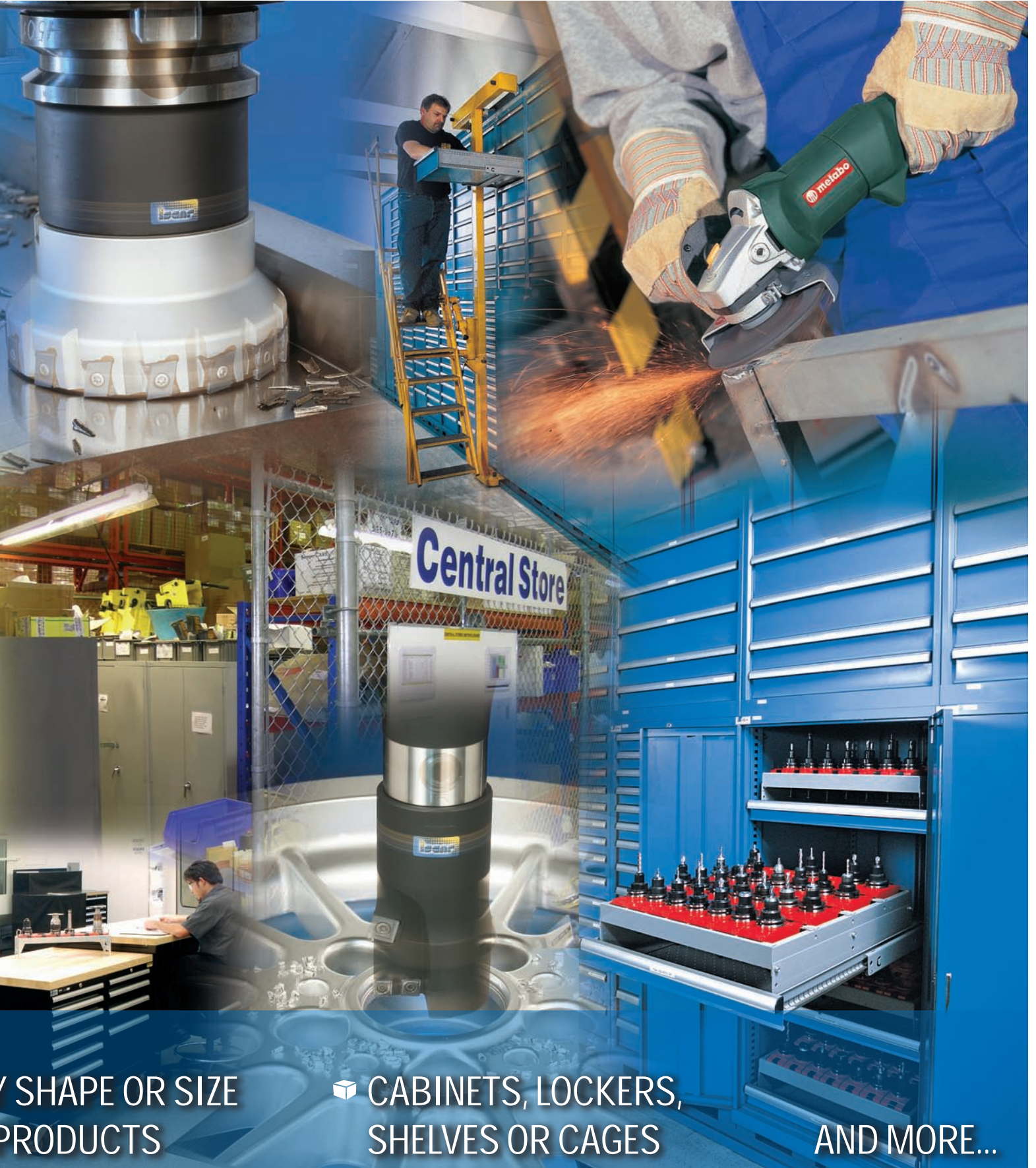
All This, And More... Much More...



WITH MATRIX
YOU CAN MANAGE...

▣ SECURED OR UNSECURED
INVENTORY

▣ ANY
OF P



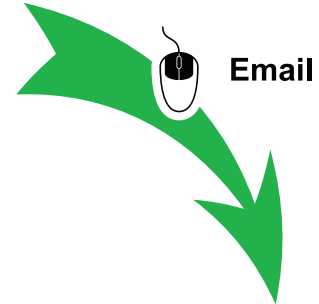
ANY SHAPE OR SIZE
PRODUCTS

▣ CABINETS, LOCKERS,
SHELVES OR CAGES

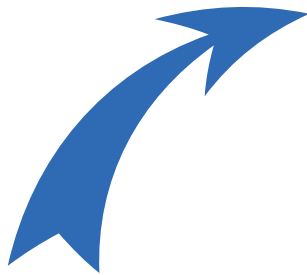
AND MORE...

Easy to Install, Use and Maintain

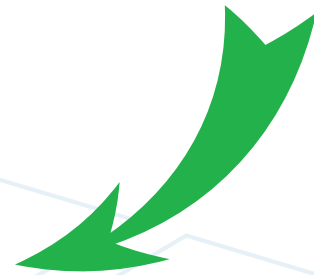
Typical Reorder Cycle = Cost Savings



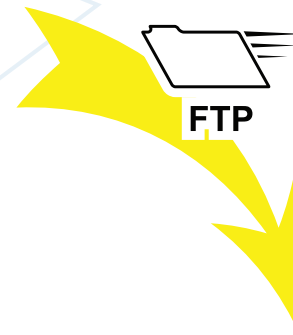
Orders for Items in the Matrix & External Cabinets are Generated Automatically by Manage and sent via Email to A.C.T.



A.C.T. Ships the Items to the Customer for Re-stocking the Matrix & External Cabinets



Reporting & Back-Ups - Making It Simple for You



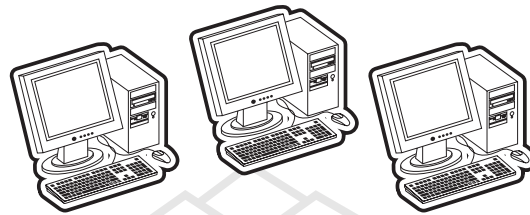
Matrix will Automatically Email Scheduled Reports to All Specified Users

REPORTS
Re-Order
Back Order
Cost Per User
Cost Per Mach.
Cost Per Job
Obsolescence
Etc... Etc...



The Matrix Database is Uploaded via FTP to A.C.T.'s Servers Daily for Backup

Flexible & Customizable Integration with Your Current Network & Toolroom



Real-time management information available at customer's desktop through MATRIX TOOLCRIB MANAGE Client Software



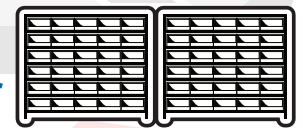
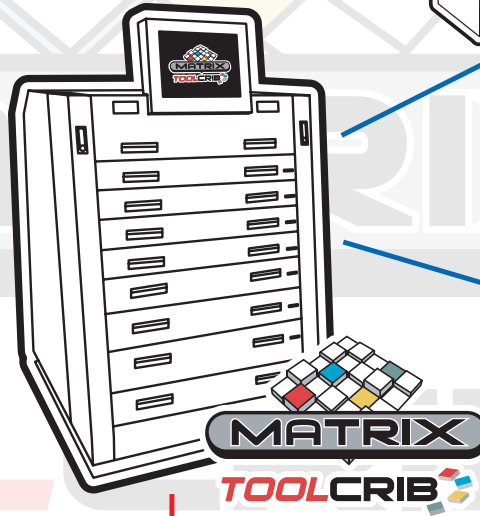
MATRIX Database Residing on Customers Server



Customer's Existing Network



A.C.T. Equipment Sales Ltd.



Traditional Warehouse



INTERNET



MATRIX TOOLCRIB Replication Server



A.C.T. Equipment Sales Ltd. (Recommended for Real-Time Support & Maintenance)



FTP



MATRIX Database Backed Up to A.C.T. via FTP

Compare the Best vs. the Rest

Bin Options

Bin Code	Bin Dimensions MM (INCH) H x W x D	Sample Item Recommendations (MM)
B50-1	50 x 48 x 56 (2.0 x 1.9 x 2.2")	Single inserts, small tools
B50-2	50 x 98 x 56 (2.0 x 3.8 x 2.2")	Up to 45ø 50-80 long, square insert packs
B50-3	50 x 148 x 56 (2.0 x 5.8 x 2.2")	Up to 45ø 80-130 long
B50-4	50 x 198 x 56 (2.0 x 7.8 x 2.2")	Up to 45ø 130-180 long
B50-5	50 x 248 x 56 (2.0 x 9.7 x 2.2")	Up to 45ø 180-230 long
B75-2	75 x 98 x 56 (2.9 x 3.8 x 2.2")	Up to 70ø 50-80 long
B75-3	75 x 148 x 56 (2.9 x 5.8 x 2.2")	Up to 70ø 80-130 long, large insert packs
B75-4	75 x 198 x 56 (2.9 x 7.8 x 2.2")	Up to 70ø 130-180 long
B75-6	75 x 148 x 88 (2.9 x 5.8 x 3.5")	Kits, assemblies, cutters, holders, FTB
B75-7	75 x 198 x 88 (2.9 x 7.8 x 3.5")	Kits, assemblies, cutters, holders, FTB
B75-10	75 x 349 x 56 (2.9 x 13.7 x 2.2")	Extra long items
B75-11	75 x 349 x 88 (2.9 x 13.7 x 3.5")	Extra long or large items or quantities
B100-1	100 x 48 x 56 (3.9 x 1.9 x 2.2")	Small insert packs
B100-12	100 x 349 x 120 (3.9 x 13.7 x 4.7")	Extra long or larger items
B100-13	100 x 349 x 152 (3.9 x 13.7 x 5.9")	Extra long or extra large items or quantities

Standard Configuration

Drawer Code	Bin Per Drawer	Qty	Total # of Bins
D50-1	98	1	98
D50-2	49	1	49
D50-3	35	1	35
D50-4	28	1	28
D75-3	35	1	35
D75-6	20	1	20
D100-1	98	2	196
Total in Cabinet			8 461

With the **A.C.T.** **QUICKCONFIG** SYSTEM

Drawer and bin selection takes...
just minutes!

Drawer Options

Bin Code	B50-1	B50-2	B50-3	B50-4	B50-5	B75-2	B75-3	B75-4	B75-6	B75-7	B75-10	B75-11	B100-1	B100-12	B100-13	Total Bins Per Drawer
Bin Dimensions																
MM	50x48x56	50x98x56	50x148x56	50x198x56	50x248x56	75x98x56	75x148x56	75x198x56	75x148x88	75x198x88	75x349x56	75x349x88	100x48x56	100x349x120	100x349x152	
INCH	2.0x1.9x2.2	2.0x3.8x2.2	2.0x5.8x2.2	2.0x7.8x2.2	2.0x9.7x2.2	2.9x3.8x2.2	2.9x5.8x2.2	2.9x7.8x2.2	2.9x5.8x3.5	2.9x7.8x3.5	2.9x13.7x2.2	2.9x13.7x3.5	3.9x1.9x2.2	3.9x13.7x4.7	3.9x13.7x5.9	
D50-0																0
D50-1	98															98
D50-2		49														49
D50-3		7	28													35
D50-4		7		21												28
D50-5				7	14											21
D75-0																0
D75-3						7	28									35
D75-6							2	2	8	8						20
D75-11											2	8				10
D100-0																0
D100-1													98			98
D100-12														2	4	6

Do your own comparisons...

	A.C.T.	Company 1	Company 2
Hardware			
Matrix unit has up to 882* individually secured bins per unit and a single master unit can be hooked up with an infinite number of Add-On Matrix units	✓✓✓		
15" Industrial Touch Screen	✓✓✓		
Access to all controller boards and solenoids is located at the front of the machine on left and right. ToolBoss has their controller boards located at the very back of the machine making it more labour intensive to replace boards and maintain machine	✓		
Built-in UPS battery back-up with an Automatic Voltage Regulator which cleans dirty power coming from the wall outlet, supplying only clean power to the sensitive machine components	✓		
Manufactured with top-quality, industrial grade zinc-coated steel for long lasting durability	✓✓		
Larger computer compartment which allows for better air flow, decreasing heat surrounding computer components	✓✓		
15 different sizes of bins, (all of which are individually secured), to choose from, giving you ultimate configuration control to suit your needs	✓✓✓		
Touch screen†, bar code reader†, magnetic card reader, RFID card reader	✓✓✓		
Manufactured under ISO9001-2000	✓✓✓		

Software

Line graphs, bar graphs and pie chart can be created on any type of report with just the click of a button	✓✓✓		
Set custom time period to determine Dead Stock Items or Bins	✓✓✓		
Multi-language support which is customizable for each user; now with 21 languages in total!	✓✓		
Manages pre-existing external inventory in secured or unsecured cabinets, lockers or cages	✓✓✓		
Force old, reworked items to be issued before new items	✓✓✓		
Control a variety of item types: Expendable, Rework, Durable, Kits and Keys	✓✓✓		
Search for your item using keywords, item groups, item families or thumb nailed images	✓✓		
Extremely easy to learn and use touch screen based software for interacting with the machine	✓✓✓		
Integration with SAP systems	✓✓✓		
MATRIX-TM software can automatically calculate min/max levels based on previous usage and reorder points, keeping the right amount of stock available to your shop	✓		

Support

Unmatched 4 tier support – Local A.C.T. Branch, A.C.T. Head Office, Iscar Canada and the IMC group (Iscar's parent company)	✓✓		
The only IMC recognized distributor of the Matrix Toolcrib in Western Canada – Sales, Service, Installation and Training	✓✓		

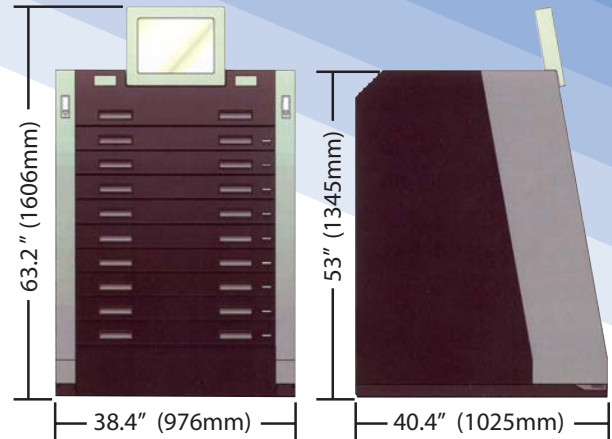
*Depending on the Matrix drawer configuration

†Standard hardware configuration – please ask about Magnetic card reader and RFID card reader options

MATRIX TOOLCRIB Technical Specifications

- Cabinet Weight: Approximately 630 kg (1,389 lbs)*
- Cabinet includes floor mounting plate
- Drawer Heights (net): 50 mm, 75 mm and 100 mm (2", 2.9" and 3.9")
- Drawers Per Cabinet: 6 to 9 drawers*
- Maximum Load Weight Per Drawer: 50 kg (110 lbs)
- Drawer Operating Speed: 1 second (Full Extension)
- First cabinet is supplied with PC, 15" 5 wire touch monitor, power supply, UPS with Automatic Voltage Regulator, bar code scanner and user & management software
- Add-On units are connected to the Master cabinet via 12V and network cable
- Install infinite number of Add-On units
- Electrical Supply: 110 AC +/- 20% 4.6A or 220AC +/- 2-% 2.2A
- Supplied in top-quality, industrial grade zinc coated steel
- External Colours: black & silver
- Manufactured under ISO9001-2000

*Depending on configuration



Install *infinite* number of Add-On units with lightning fast connectivity!

A.C.T. EQUIPMENT SALES LTD.

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