

MATRIX

Doing it Right!



MATRIX Does It All

The MATRIX family of automated tool dispensers powered by our unique management software can help you:

-  Drive down costs
-  Guarantee production output
-  Optimize stock levels
-  Streamline purchasing
-  Control cost per unit (CPU)
-  Select the right tools for each job



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MATRIX Cabinet Options



MAXI

MAXI stands tall with a large capacity, surprisingly small footprint and a sleek, ergonomic design. Secure with electronically locked drawers & bins.



MINI

MINI can go just about anywhere, sitting atop a workbench, lockable MATRIX trolley or DLS 4D. Secure with electronically locked drawers & bins.



DLS 4D

Supplementary storage capacity used as a base for a MINI cabinet. Semi-Secure with 4 electronically locked drawers.



DLS 8D

Economical solution with flexible drawer partitions suitable for small and large items. Semi-Secure with 8 electronically locked drawers.



ToolPort

Dispenses single inserts and small items. 100% accountability. 8 drawer and 4 drawer models.

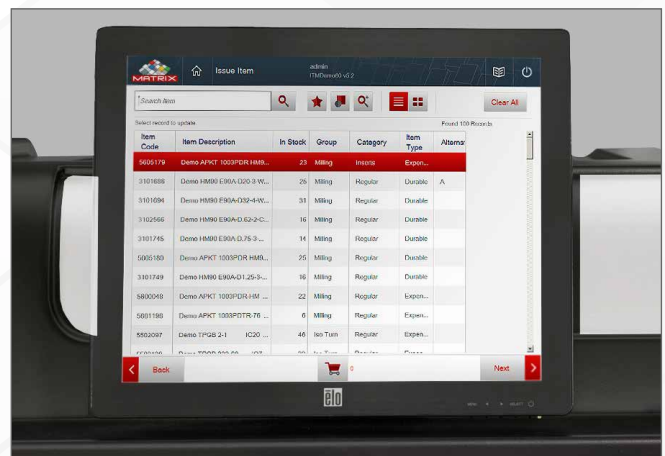
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MATRIX Touch Software

Easy to use touch screen application to issue and return items:

- Drives MAXI, MINI, DLS and specified Kardex shuttle models
- Search items by group, text, numeric, application, picture and favorites
- Controls access to tools by user group, job, part and budget
- Prompts for alternative or related items
- Connects to electronic catalogs and tool selection apps
- Shopping basket for speedy issue of multiple items
- Alerts for stock shortages or discrepancies
- One database for multiple sites and cabinets



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MATRIX Manage Software

Comprehensive PC application to manage your entire stock of tools, gauges & MRO, whether in a MATRIX cabinet or regular warehouse:

- Full item & supplier maintenance including prices, stock levels, locations, technical data and usage history
- Complete suite of Standard and Advanced Reports
 - View and save in Excel, HTML, PDF and other formats
 - Smartphone format
 - for automatic delivery by email
- Sophisticated planning engine ensures maximum availability with minimum stock
- Analyzer dashboard and Item Analytics provide overview of key performance indicators (KPIs)
- CPU and Tool Life Calculator
- Tracks serial items and gauge calibration
- Interfaces with SAP and Machining Cloud
- Export/Import interface with ERP systems
- Automatic calculation of re-order points and purchasing
- Build kits to issue groups of items
- Multi-language user interface
- Link photos and documents to items
- Manage the rework process
- Dedicated Mobile app



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MAXI and MINI – Completely Modular

- 16 bin sizes
- Over 50 drawer options with multiple bin configurations
- Maximum Bins per drawer – 198 MAXI and 96 MINI
- Auto-Lock mechanism locks bins when the drawer is returned (optional)
- Available in 2 versions: TOUCH (stand-alone) and POD (add-on)
- TOUCH - supplied with PC, touchscreen (17" MAXI & 15" MINI), UPS (surge protection and power backup), barcode reader, network switch and management software
- Manual override in case of power failure
- RFID, Fingerprint and Magnetic card readers are available
- Network - all versions can connect directly to the LAN. POD can also connect to a TOUCH.
- Electrical supply - 110AC +/-10% 4.6A or 220AC +/-10% 2.2A.
- Cabinet and drawer frames supplied in top-quality industrial grade zinc coated steel
- Hood and Side Panels supplied in ABS and Bins supplied in PC-ABS
- All metal, plastic and electronic parts are made from recyclable material
- External colors: black (RAL9005) and silver (RAL9116)
- Manufactured under QMS ISO9001-2008
- CE & UL/CA certified



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MAXI and MINI Bin Options

Code	H mm	D mm	W mm	H "	D "	W "
50A	50	39	42	1.9	1.5	1.6
50B	50	39	92	1.9	1.5	3.6
50C	50	39	142	1.9	1.5	5.5
50D	50	39	192	1.9	1.5	7.5
50E	50	39	242	1.9	1.5	9.5
75A	75	39	42	2.9	1.5	1.6
75B	75	39	92	2.9	1.5	3.6
75C	75	39	142	2.9	1.5	5.5
75G	75	89	142	2.9	3.5	5.5
75H	75	89	192	2.9	3.5	7.5
75L	75	89	292	2.9	3.5	11.5
100A	100	39	42	3.9	1.5	1.6
100J	100	139	142	3.9	5.4	5.5
100K	100	189	142	3.9	7.4	5.5
125XL	125	165	295	4.9	6.5	11.6
125XXL	125	165	445	4.9	6.5	17.5



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Specifications

MAXI

- Drawers per cabinet: 1-12 [depends on drawer heights and quantity of Auto-Locks]
- Drawer heights (net): 50mm/2", 75mm/2.9", 100mm/3.9" and 125mm/4.9"
- Load weight per drawer: up to 50kg/110lb (90kg/190lb for Jumbo drawer)
- Cabinet weight varies depending on number of drawers and Auto-Locks: MAXI with 4 drawers and 4 Auto-Locks is ~400kg/880lb; MAXI with 12 drawers is ~600kg/1325lb
- Cabinet frame includes 4 adjustable legs and removable front panel for forklift access
- Cabinet dimensions 1180mm/47" (W) x 752mm/30" (D) x 1469mm/58" (H)



DLS 8D

- Sturdy industrial cabinet with 8 electronically locked drawers
- 2 versions: TOUCH (stand-alone) and POD (add-on)
- Manual override in case of power failure
- TOUCH – supplied with all-in-one pc-touchscreen, bar code reader, network switch and management software
- Direct network connection and single power supply 110-230V
- Load weight per drawer: up to 180kg/397lb
- 8 Drawers per cabinet (H): 3 x 101mm/4"; 4 x 127mm/5"; 1 x 203mm/8"
- Cabinet dimensions 915mm/36" (W) x 610mm/24" (D) x 1220mm/48" (H)
- Front Access Forklift Base - 100mm/4" (H)



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MINI

- Drawers per cabinet: 1-5 [depends on drawer heights and quantity of Auto-Locks]
- Drawer heights (net): 50mm/2", 75mm/2.9" and 100mm/3.9"
- Load weight per drawer: up to 20kg/44lb
- Cabinet weight varies depending on number of drawers and Auto-Locks: MINI with 4 drawers is ~165kg/365lb
- Cabinet dimensions 860mm/34" (W) x 581mm/23" (D) x 800mm/32" (H)



DLS 4D

- Sturdy industrial cabinet with 4 electronically locked drawers
- POD version only
- Manual override in case of power failure
- Direct network connection and single power supply 110-230V
- Load weight per drawer: up to 180kg/397lb
- 4 Drawers per cabinet (H): 1 x 101mm/4"; 2 x 153mm/6"; 1 x 203mm/8"
- Cabinet dimensions: 915mm/36" (W) x 610mm/24" (D) x 820mm/32" (H)
- Front Access Forklift Base: 50mm/2" (H)



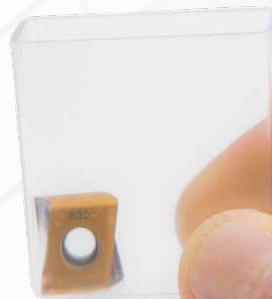
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Specifications

ToolPort

- Large capacity / Small footprint → 800 inserts (4D bench-top model) or 1600 inserts (8D free standing model)
- Control unit houses pc, screen, single power supply 110-230V, barcode reader and touchpad
- Single or Double size reusable containers store each insert
- 10 cartridges per drawer
- 1 SKU per cartridge
- Each cartridge pre-loaded with 10 Single containers
- Containers per cartridge – maximum 20 Single or 10 Double
- Login to open cabinet - Click to issue item/s
- Each transaction records user, job number and a cost center
- Usage data is transmitted to MATRIX Manage via interface
- 8D model Dimensions: 676mm/27" (W) x 630mm/25" (D) x 1475mm/58" (H)
- 4D model Dimensions: 676mm/27" (W) x 630mm/25" (D) x 905mm/36" (H)
- Front Access Forklift Base: 100mm/4" (H)
- CE certified



MATRIX

It's All About Service!

*Our global service platform backed by our certified professionals
keep your production up and running at all times.*



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What Our Customers Say...

“MATRIX has not only delivered efficiency improvements and excellent stock rationalisation throughout the global Holroyd Precision Rotor’s sites, the utilisation of the Matrix Management software has provided cost, inventory and usage data that is proving to be the driving force behind our Companies cost reduction strategy.”

Colin Carr, Managing Director, Holroyd Precision Rotors – UK

“MATRIX continuously helps us decrease the cost of cutting tools and the time required for stock management.”

Hwi yong Park, Production Manager, HMT Co.,Ltd – South Korea

“MATRIX has been the central element of our tool and method improvement program. It delivers significant cost savings each and every year.”

Eran Ben-Gigi, CTO & Process Engineering Manager, Ham-Let Advanced Control Technology - Israel

“We have been using MATRIX for more than 5 years. It offers us a smooth replenishment process and a high degree of comprehensibility. It has become an important part of our production.”

Stefan Schauerte, Managing Director, Schauerte Präzisiondrehtechnik - Germany

“MATRIX has automated our management of tooling. The MINI cabinets next to each work center have substantially reduced operator walk around time.”

William Sharpe, Manufacturing Manager, DTA - Australia

“MATRIX’s flexible configuration meets our business needs. It is user friendly, a valuable support to production and purchasing, and guarantees a fast ROI. The after-sales service is always excellent.”

Ferdinando Dallari, QC Engineer, Germa Srl - Italy

“Since installing MATRIX, tooling costs became transparent with real-time accurate data, and our employees started to come up and implement creative ideas to improve our activity. I now realize the high value of this system.”

Mr.Michinori Yoshida, CFO, Nippon Roballo Co., Ltd (Thyssen Group) – Japan

“MATRIX has increased our productivity by allowing us to handle our cutting tools more effectively and at the same time minimizing production downtime.”

Clas Tengström, Business Unit Director, Componenta Främmestad AB – Sweden



CTMS – Commodity and Tool Management Services

Division of IMC Group

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