MATRIX
The First Step to Your Cost Reduction

MATRIX MAXI

Main Menu   admin   (local) \ ITMDemo v6.0

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elo

MATRIX

Member IMC Group
Tungaloy
INDUSTRY 4.0

INDEX

Visit **tungaloy.com/matrix** to check out
"MATRIX´s Efficiency Calculator"

Do any of these sound familiar?

- Typical production floor issues

Cost pressure

Need to drive down cost per unit, but don´t know where to start...

Guesswork and manual stock management

Stockouts are common, causing longer lead time, production delays, and sales loss...

Unorganized production floor

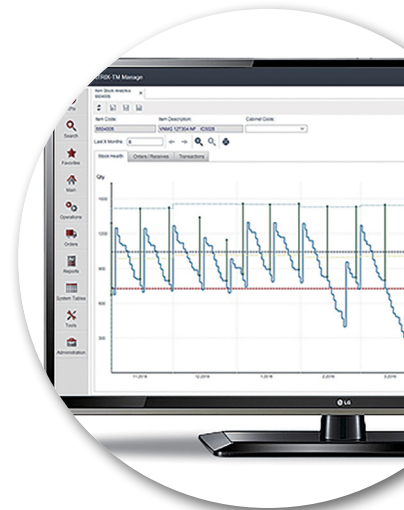Operators are racking up wasted time looking for tools...

MATRIX
Does it all!

Identify the cost drivers

With MATRIX´s cost analytics and consumption statistics

Quick overview of transaction history per workpiece, job, employee, and machine, enabling detection of demand spikes and underperforming tool life

No more stockouts

MATRIX´s automatic purchasing module for optimal ordering process

Optimal stock levels and re-order points are automatically calculated from previous usages to maintain maximum availability with minimum stock

Organize your production floor

No more wasted time looking for tools

Automatically calculate optimal stock levels and re-order points based on historical usage data. This allows you to maintain tool availability with the minimum necessary inventory. Plus, our system sends automatic email alerts, ensuring you place orders at the perfect time.

Identify the cost drivers

With MATRIX´s cost analytics and consumption statistics

Spending too much time on manual data sorting and there is no time for planning cost reduction

Key performance is just a few click away allowing you to focus on cost savings!

Transparency

MATRIX-TM´s intuitive graphical interface provides a quick overview of complete transaction history **by workpiece, job, employee, and machine,** allowing better planning and cost reduction.

Quick access to all vital data

MATRIX simplifies inventory reporting by providing quick access to current, crucial inventory data. With a customizable Dead Stock Report that defines the period for stock to be considered inactive, **MATRIX ensures maximum availability with minimal stock.**
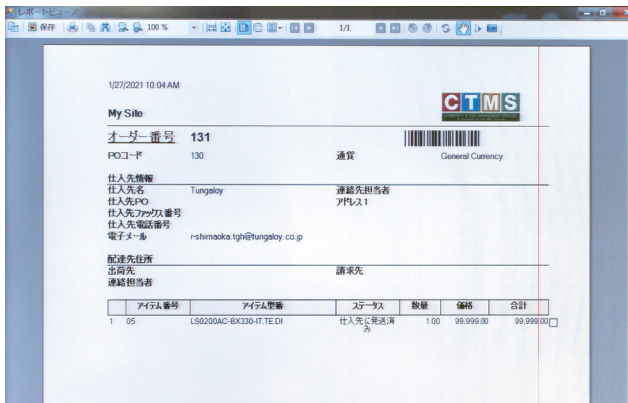
No more stockouts

MATRIX´s automatic purchasing module for optimal ordering process

Frequent stockouts and rush orders for replacements

MATRIX's automatic re-order point calculation feature streamlines your purchasing process

Automated orders

The **MATRIX-TM** system automatically calculates minimum stock levels based on previous usage and reorder points. **This enables your shop to maintain optimal stock levels, even for slow-moving inventory and special products.**

Optimized stock levels

MATRIX-TM system can set a maximum stock level, eliminating the fear of carrying excess stock. Transfer Order function allows **stock transfer between multiple Matrix units within your company, maintaining optimal stock levels.**

Organize your production floor

No more wasted time looking for tools

Your tool is not where it´s supposed to be when you need it...

With MATRIX´s full tracking feature, you can organize your production floor so you'll know exactly where to find the tools when you need them

Only the right tool for each job

Each bin is associated with the item it stores, requiring no more than 10 seconds for an item to be issued. **This also prevents mixing up inserts with different nose radii, ensuring they're used for the right job.**
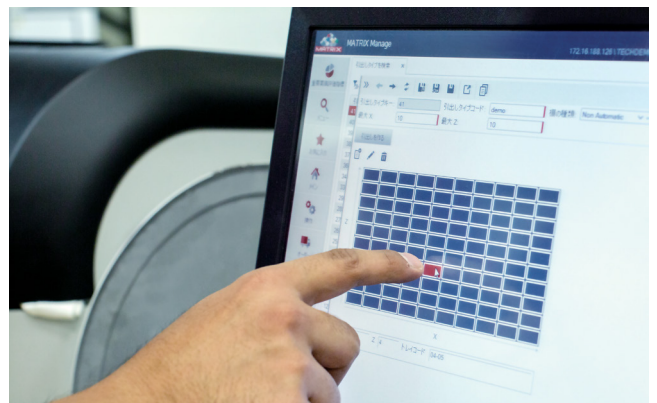
Flexible integration with external cabinets

MATRIX can manage the items not only in its cabinet but also pre-existing external inventory in your manual cabinets, lockers, or cages. Whether, they are tools, gauges, grinding wheels, fixtures, and MRO, **MATRIX manages your entire inventory in all locations**

and more from

MATRIX´s Smart Features

Here are the top four of MATRIX's many features designed to support your smart inventory management

1 Manage inventory in multiple remote sites

MATRIX's networked data system allows you to access inventory data remotely from your PC monitor. Multiple master cabinets deployed in different locations are connected to run from a single common database.

2 Display KPIs all on one screen

Dead stock and stock surplus reports, item shortages, and overdue orders... The MATRIX analyzer displays **all the latest key performance metrics, helping decision-makers focus their attention on continuous improvement for cost savings.**

3 Issue a group of items all at once

Simply create a list (a kit) with item descriptions and quantities, and MATRIX will continuously issue all the defined items in sequence, **allowing you to access a group of items you need all at once.** In case of an accidental error, you can easily correct the issue transaction using the 'Change Issue' button.

4 Prioritize issuing reworked tools before new ones.

Shop operators tend to choose new tools over reworked ones, which can lead to old tools remaining in stock. To address this, you can enable the 'Force to issue old items before new items' option, **allowing the system to issue items in the desired order.**

MATRIX Options

Whatever your storage and tool management needs
MATRIX has the right solution!

MAXI

Perfect model for large inventory levels

Capacity: 3,000 - 5,000 items
TOUCH cabinet is supplied with PC and monitor

Cabinet dimensions
1180 mm(W) x 752 mm(D) x 1469 mm(H),
46"(W) x 30"(D) x 58"(H)

MINI

Perfect model for small to medium inventory levels

Capacity: 1,000 - 2,000 items
Compact solution with 1-5 drawers per cabinet

TOUCH cabinet is supplied with PC and monitor

Cabinet dimensions
860 mm(W) x 581 mm(D) x 800 mm(H),
34"(W) x 23"(D) x 32"(W)

New

MAXI Premium

Upgraded MAXI for enhanced user experience

Capacity: 3,000 - 5,000 items
QR code reader, fingerprint reader, high-spec PC (i5)

Your company logos can be printed on the sides of the cabinet upon request

Cabinet dimensions
1180 mm(W) x 752 mm(D) x 1469 mm(H),
46"(W) x 30"(D) x 58"(H)

DLS 8D / DLS 4D

Economical solution with flexible drawers

Spacious drawers are customizable to meet individual storage needs
Available in 8 or 4 drawers (DLS4D is add-on version only)

New

DLS-V 5 D

Cabinets dedicated for storing toolholders

Storage shelf tray for 6 holders (with HSKA63, C6, 40T connections) or 8 holders (with 30T connections)
Mountable on DLS4D cabinet

TOOLPORT

Dispenses single inserts and small items

New

TOOLPORT 4x4 HYBRID

Hybrid of TOOLPORT and DLS cabinets

WIZ

Ideal for large tools and MRO

MATRIX ANDROID

Dedicated MATRIX Android app manages traditional warehouse and tool room from the palm of your hand!
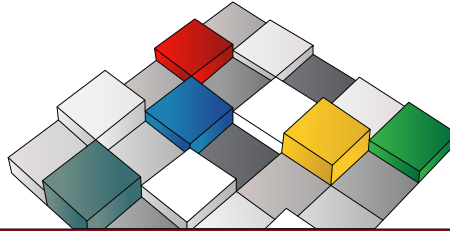
MATRIX POUCH

MATRIX Pouch reads Balluff chip on tool adapter. Data string with tool assembly parts is transmitted to MATRIX, allowing quick error-proof access to approved tools

MATRIX RTLS

MATRIX Real Time Location System tracks production assets that move around on the shop floor. 100% visibility with BLE (Bluetooth low energy) Beacon

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