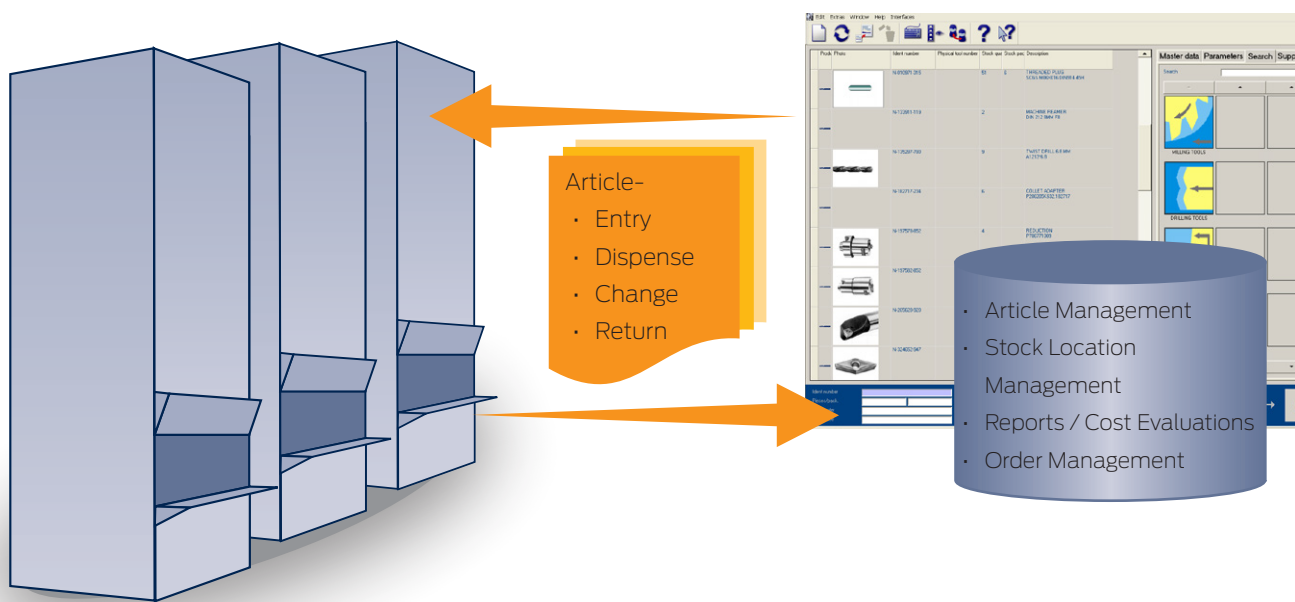# TDMstoreasy –
3 clicks to your tool!

I. Area of Application

No matter how your tool stock is managed, TDM-storeasy can support your tool picking.
TDMstoreasy can also deliver a comprehensive over-view of consumption, allocation and provide a system for the re-ordering of necessary components. Our unique piece of software interfaces any kind of tool dispenser and provides the possibility of a controlled picking and assignment of tool consumption to the corresponding cost center. TDMstoreasy can either be just operated to control tool dispensers or be a perfect add-on to the TDM Tool Crib Module.

Article-
- Entry
- Dispense
- Change
- Return

- Article Management
- Stock Location Management
- Reports / Cost Evaluations
- Order Management

II. Basic Principles

Compatible for all kind of storage systems

TDMstoreasy is manufacturer independent and therefore compatible to all kind of storage systems:

- Lifts
- Drawers
- Spirals
- Paternosters
- or Vending Machines in general

One distinctive feature is that all systems can be operated with one graphical user interface, even if different systems from different systems manufacturers are running in one environment.

...or locked crib systems...

Different crib systems are managed by TDMstoreasy. Doesn't matter if lifts...

...or drawers...

...oder Vending Machines together with drawer systems... it truly doesn't matter in which combination they may be used: TDMstoreasy is the best fitted operating software soluation!

One Graphical User Interface for Multiple Systems

The software is a scalable application: With one client multiple systems can be managed, or every single system can be managed with only one client. It just depends on the customer's requirements.

Easy handling

Whether a mouse, touch screen, barcode or a key board is used, operation is easy and direct. The graphical user interface with self explaining icons supports an intuitive and logical handling process - without intense training.
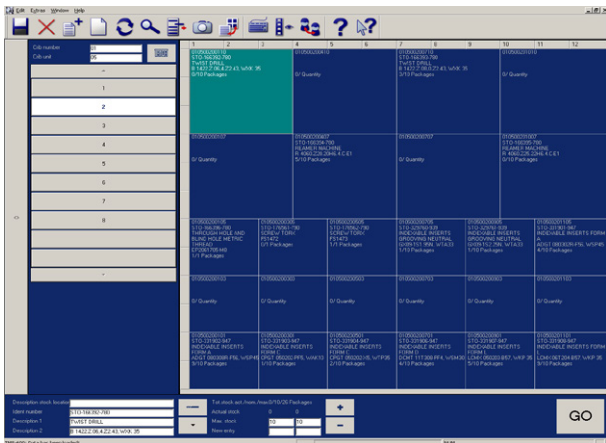
What is managed?

TDMstoreasy manages articles, e.g. tool items and other production resources (ear plugs, goggles etc. are also possible). The product philosophy is focused on a management of single items or articles (reffered to as items).
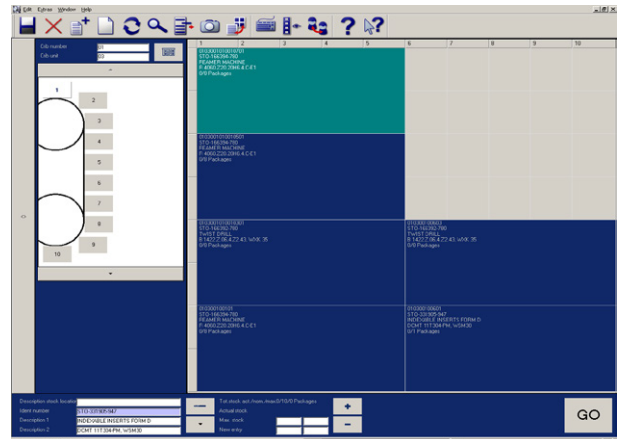
Definition of Crib Structure

In TDMstoreasy crib units, locations and cost centers can be defined. A unit is usually defined as a cupboard or i.e. lift system. Depending on the structure of the cupboard (drawer, shelf, spirals, etc.) specific crib locations are defined. This facilitates an allocation of a new entry since weight and height are considered. Furthermore since the articles are assigned to a specific location the system can later find and dispense them correctly.

Graphical Stock Location Management

This supports an easy crib configuration. With the graphical stock location management the user can define the amount of shelves or spirals as well as their length and height for the specific crib system. The correct stock definition is the nuts and bolts for the efficient uses of TDMstoreasy. Otherwise the software cannot find the articles and this is the core of the intelligence of TDMstoreasy!
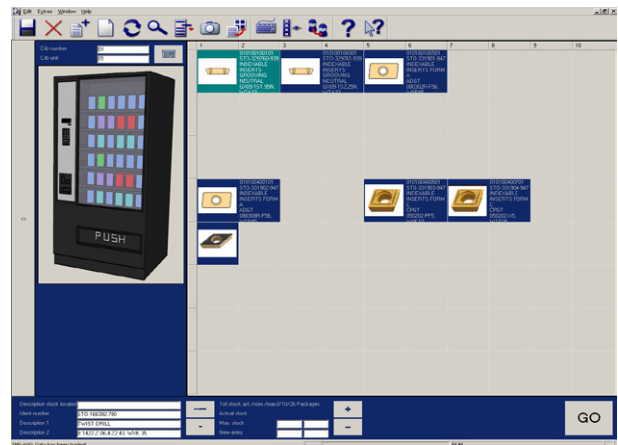

Graphical Stock Location Management: Definition and allocation of stock location/ item for a drawer.

...this is how the Graphical Stock Location Management looks for a Paternoster.

NEW: Stock location search

The restocking of items is supported by the graphical stock location management and search. By searching via the article ident number TDMstoreasy lists all occupied locations of the corresponding article.
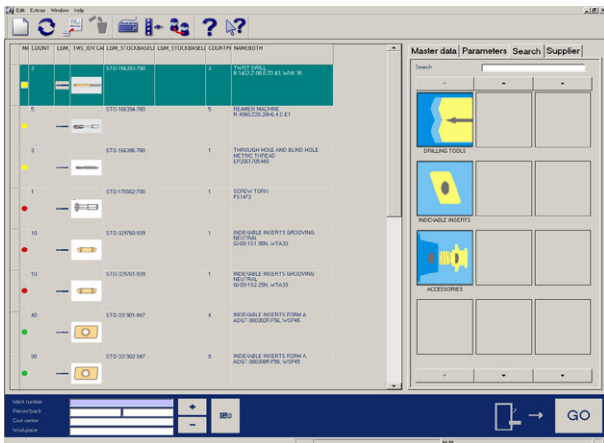
III. Functions

The easy way to find an item

TDMstoreasy offers multiple, simple possibilities to find an item:

- Direct search through supplier and tool type
- Barcode based search
- Graphical tool selection: using graphical tool icons to find the tool
- Optional: User oriented TDM class and group structure. It is comprised of tool types (i.e. milling, drilling, inserts and fitting) and the corresponding tool groups. Icons exist for each class and group which certainly facilities the item selection and supports an intuitive use.

Graphical Tool Selection in TDMstoreasy.

Item Management

In TDMstoreasy, utilizing the item management, the user can create all necessary data per article or tool. Besides parameters, supplier data and 2D-DXF-Graphics and pictures can be stored:
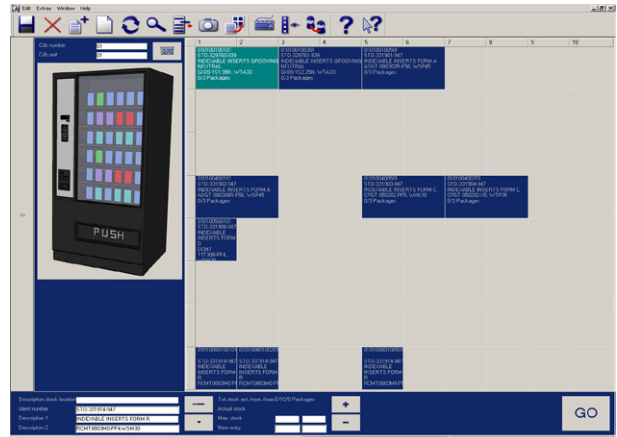
- Tool ident number and description 1 and 2
- CAD number
- Weight
- Tool type (i.e. consumable or non-consumable)
- Minimum stock
- Reorder point
- Filling quantity
- Tool class and group

Information for suppliers and prices:

- Manufacturer's barcode
- Ordering number and procurement time
- Quantity per unit
- Price and graduated discounts

New entry of items

All items are issued and assigned to a cost center. This enables a seamless reporting of tool consumption and supports a real time re-ordering. New item entries are issued to a predefined stock location which depends upon the weight and size of the item.

Within TDMstoreasy items are assigned fast and efficiently in a graphical menu.

Item dispensing in 3 clicks

Picking and dispensing articles with TDMstoreasy is easy, intuitive without waiting time and available 24/7. It only takes 3 clicks to get the required article: First you have to log on with i.e. your ID-card, then you have to pick your article and then dispense it. Also quantities and corresponding cost centers are registered when articles are dispensed and can be used for an evaluation of consumptions at a later point of time.
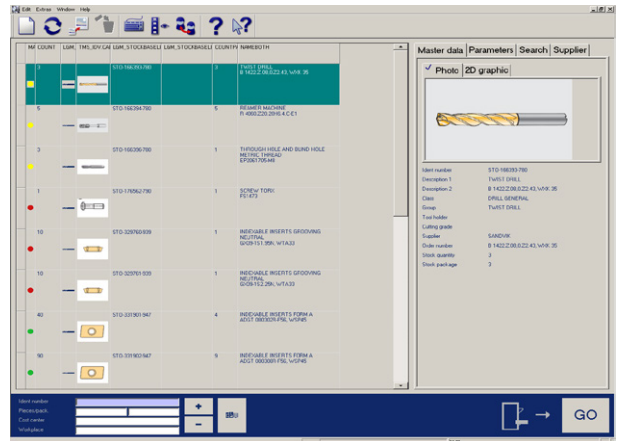
Article dispensing in 3 clicks

Log in with the user ID-card.
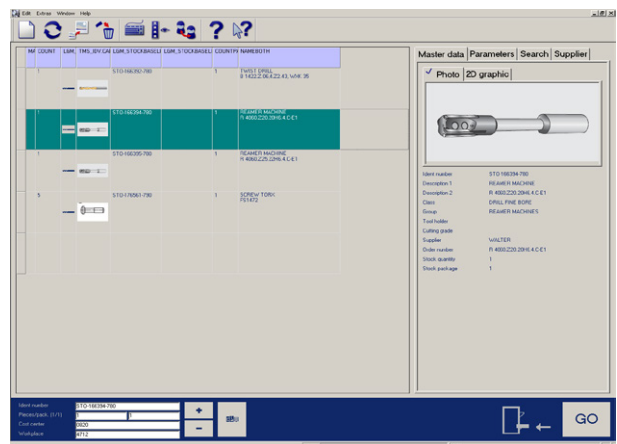

Selection of the desired article.

Dispense of the selected article.

Select item, enter cost center and the tool is dispensed.

Article return in 3 steps

Tools which have to be re-stocked have to be re-assigned from the cost center to the crib location. This is done in the „return menu".

As easy as the dispensing is, the return of tools is just as easy!

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Article reordering

TDMstoreasy comes with a standard ERP interface which allows a direct processing of purchase requisitions. Optionally, all issuing data can also be processed to the ERP system. Since all consumption data are directly processed, the ERP system has all necessary data for purchasing.

Crib orders

A crib order contains all items to be prepared for a specific production order. The crib order is forwarded from the TDM Tool Crib Module to TDMstoreasy. The necessary items are issued and dispensed by the operator. A crib order can only be managed in TDMstoreasy if it is operated together with the TDM Tool Crib Module.

The crib order in TDMstoreasy: A list containing all items for a specific production order.

Stock correction

After an inventory check, it might occur that the actual stock differs from the stock evaluation in TDMstoreasy. There are numerous reasons for this. For example an operator has physically stored fewer items in the machine that he told the software. In this case, the stock correction functionally allows corrections of these differences.

Stock correction in TDMstoreasy.

Crib Evaluation and Reporting

TDMstoreasy keeps track of all item entries and activities which would support up to date reporting. TDMstoreasy offers the following evaluations:
· Stock evaluation: Display of all items incl. their stock levels. Visually this is supported by a stock level traffic light for each article.
· Stock level traffic light: According to its individual stock level, each item is marked by a traffic light.
    · Green: Stock level OK
    · Yellow: Reorder point reached
    · Red: Minimum stock reached
    · Blue: Article is purchased
· Minimum Stock Inquiry: All items are shown which may have reached or exceeded a predefined minimum stock level. Issuing History: Listing of all issuing according to specific criteria's (cost center, time frame, issuing type, operator, etc.)

For all connected cabinets, a cumulative evaluation is possible.

Stock location overview in TDMstoreasy with stock level traffic light.

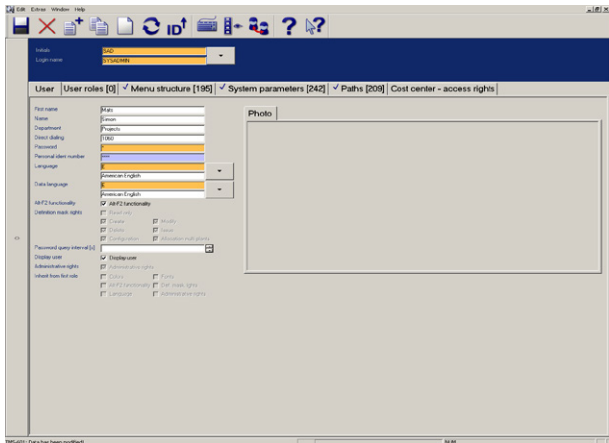The minimum stock enquiry in TDMstoreasy being supported by the stock level traffic light.

The issuing history shows the issuing transactions and crib movements.
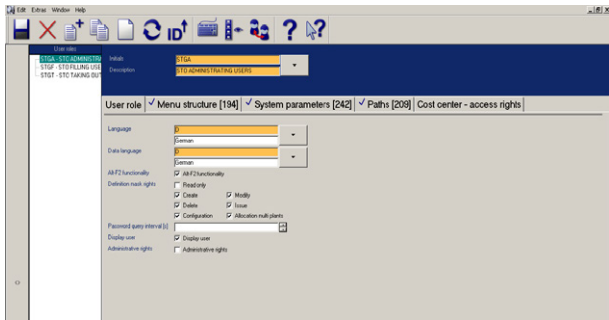
E-Mail-Reporting

The evaluation results can be automatically forwarded by e-mail to the specific departments e.g. controlling. The automatic reporting can be set-up for a specific point in time in which the e-mail is sent out to predefined recipients whereas recipients does not necessarily have to be e-mail addresses also servers are possible.

User role and assignment of user rights

TDMstoreasy provides a vehicle for flexible handling and management of assigned roles for users. User roles provide the possibility to pre-define user profiles, which primarily refers to access and issuing rights. For every single user a role can be assigned which replaces the single criteria configuration. The user right assignment is done in a few mouse clicks and assures a secured and controlled access to the item stocks.

On the user management level every user can create their own „TDM-Application". However, it is strongly recommended that this function be restricted to the System Administrator.

The definition of user roles saves time and administrator costs.

IV. Advantages

TDMstoreasy provides a transparent and cost conscious dispensing of your items. The software is capable of controlling and managing all your crib systems, no matter what kind of system or manufacturer. In configuring this, the advantage is that all crib systems are operated by one, single software.
Furthermore TDMstoreasy can be operated also as a stand-alone application or certainly as a server application.In turn multiple crib systems can be connected and central evaluations can be carried out. Ideally TDMstoreasy is connected to the TDM Base- and Tool Crib Module to close the loop between articles, items, assemblies and lists.

Cost reduction through:
- Optimal tool stocks: Storage of only necessary quantities
- Efficient and quick reordering through standardized ERP interface
- Controlled and secured tool dispending 24/7

Time savings through:
- Easiest handling: 3 clicks to your tool
- One common graphical reordering user interface for multiple (also different) storage systems
- Quick and correct assignment of items to the specific stock location

Technical requirements:
The technical requirements correspond to the valid version of TDM in each case.