MSL 2.5 Software
Storage & MSL Management

Storage Process Automation
for Increased Productivity

MSL 2.5 Software

Organise. Locate. Track.

Features

Dynamic calculation of remaining floor life time with real-time sensor values

Drying times are dependent on the temperature and relative humidity. It is possible to use real-time sensor data for the calculation of drying times, thanks to a direct connection between the software and the cabinet.

Drying times according to IPC-J-STD-033D, Totech Reference Table or user defined

The software allows the user to set up different reference tables for the drying times. This ensures that the drying times always correspond to the requirements of the user

Multi value barcode scanning with barcode / QR code scanner

Barcodes can contain more than one variable. The software supports multi value barcodes and enables auto-fill of the values to the correct fields upon scanning with a barcode or QR code scanner.

Logging of all loading and unloading processes

Each process managed by the software is logged, and it allows the generation of reports based on user, timeframe, material type, etc. It is also possible to combine different report variables.

Real-time status of remaining floor life

The material overview gives an easy view into the floor life status of each component. The user can easily see if a component is in storage or taken out, how long it will take until it is completely dried, at what time it will be dry, how long it can stay on the shop floor before it has to be reset again, etc.

Colour coded warnings for soon to expire or expired components

The material overview gives an easy to see coloured indication for components that are soon to expire or expired. The colours stand out clearly from the rest, so that components can be taken out of production when a floor life reset is necessary.

Real-time overview of component storage locations

The material overview also displays the storage location of each component, which means that the user doesn't have to spend time searching for the required components.

Real-time display of humidity and temperature

Since the software can communicate directly with the cabinet for dynamic calculations of the remaining floor life time, it also enables a view of the humidity and temperature inside the cabinet.

Data management of multiple storage locations

More than one storage location can be connected to the software, which allows for sensor value readouts of different cabinets and for different drying conditions.

Automatic device recognition

New devices that are to be set up within the software are registered by using an auto-scan function within the software. This eliminates setting wrong connection details and makes the process much faster.

Multi-user configuration with different authorisation levels

Each function within the software can be blocked or authorized for different user levels. Each user registered within the software is assigned to their allowed authorisation level.

Optional easy to implement interfaces to ERP / MES (i4.0)

Integration within an existing ERP / MES system allows for further automation of component logistics and stock management. All information is then stored in one central location, which eliminates even more potential errors.

Optional Pick by Light integration

The software has an option to integrate Pick by Light solutions, which will allow visual indication of storage locations during 'store-in' and 'take out'.

MSL Control Client 2.5.0

Material overview
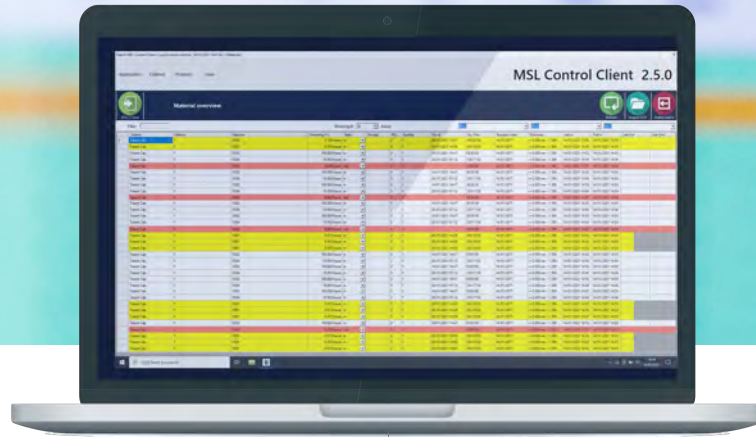
Benefits

Full traceability of all stock movements

Each process in the software is logged, and it enables the generation of reports based on user, timeframe, material type, etc. It is also possible to combine different report variables for more comprehensive reports.

Visualisation of sensor data in table format

The software shows the humidity and temperature values inside the cabinet to which it is connected in table format. It allows the user to verify the sensor values which the software is using to calculate reset times.

Fast loading and unloading of components. Significant reduction of loading and unloading times

There is no longer a need to manually register and enter component information on stock management lists. Simply scan the component to be stored and scan the storage location to confirm store-in. Upon removal, scan the material type that's required, and the software recommends which component to take out and where it is stored.

Minimizes operator error and eliminates risks of picking incorrectly

Since most steps are automated, operator error is minimized.

Analysis and evaluation of component use

The reports function enables the generation of reports based on component use. These reports allow for proper evaluation and decision-making for future component purchases.

Improves productivity and product reliability

The 'store-in' and 'take out' processes are mostly automated. This means there's less time required for these processes. Reliability of the final products is ensured thanks to the automated floor life reset calculations and warnings upon expiration.

Optional ERP / MES interface integration allows for storage m anagement into production management

Integration within an existing ERP / MES system allows for further automation of component logistics and stock management. All information is then stored in one central location, which eliminates even more potential errors.

MES /
ERP

Development team with extensive experience in MES / ERP systems and interfaces

Totech has extensive know-how with interface integrations thanks to years of experience. Furthermore, Totech can draw on the vast knowledge and experience within the ASYS Group.

Cabinets

Smart Connect Ready

Smart Connect from Totech opens the door to endless possibilities of connectivity and integrations.

XSDB SERIE

Smart Connect

Storage Process Automation
for Increased Productivity

ERP/ MES

Interface

MSL Software

Cabinet 1
- Display (7")
- Sensors

Cabinet 2
- MSL software
- Interface
- Display (10")
- Sensors
- Hand scanner

Cabinets

Do you want to know more about the MSL 2.5 software or the endless possibilities of Smart Connect? Please send an email to info@totech.eu and we will get back to you!

SUPER DRY®
Totech EU®

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