Intelligent Storage and Management Solutions for Tools, Components and Accessories

Smart Cabinets
Do you want to work more productively and more economically with efficient tool storage? Then ZOLLER Smart Cabinets are the right choice for you! Your tools will be available when you need them, and since Smart Cabinets are integrated into your production process and networked with your software, you can also optimize your tool inventory. This saves you from time wasted searching for tools and eliminates unnecessary duplicate tool purchases. In addition, you minimize machine downtime, reduce delivery time and benefit from higher profits. With ZOLLER, everything you need is available from a single source.
Well-Organized

From Order Receipt to Delivery

All ZOLLER products are linked through the central z.One tool database. This ensures you have access to tool data at every step of the production process, and that you benefit from consistent tool data, from CAD/CAM to the warehouse, tool preparation, presetting and measuring to production, inspection and delivery.

ZOLLER Smart Cabinets are connected to TMS Tool Management Solutions, which allows storage locations to be displayed graphically in 3D. An overview of inventory levels can be shown, and orders can be triggered with a simple click. This saves time, reduces tool costs and minimizes machine downtimes.

ZOLLER Smart Cabinets are linked to TMS Tool Management Solutions, allowing you to keep an eye on inventory levels at all times and benefit from intelligent tool management.
With Smart Cabinets, you decide: Would you like to lock your cabinets electronically, partially electronically, or fully mechanically? You choose how your cabinets are configured. You also have the ability to decide which employees have access to which cabinets. All storage areas are shown in the TMS Tool Management Solutions software in a transparent, easy to understand way, making controlled removals and tool bookings simpler than ever.
More Order than Ever Before

All Smart Cabinets at a Glance

Every production facility is unique. Every tool range and warehouse has its own requirements. ZOLLER Smart Cabinets are built to fit every requirement. Whether you want to manage tools and single components, accessories or measurement and testing materials: Everything can be stored and managed systematically using the various models of Smart Cabinets. Thanks to their connectivity to ZOLLER TMS Tool Management Solutions, the entire warehouse can be displayed virtually. This guarantees you have a clear picture of your entire facility at all times, while ensuring comprehensive organization. With ZOLLER Smart Cabinets, you save time and money, and you make your employee’s work easier.

»toolOrganizer«
For Cutting Tools and Small Parts

»keeper«
For Complete Tools and Tool Holders

»autoLock«
For Testing Equipment, Operating Materials and Large Components

»twister«
For Tool Components and Accessory Parts

»toolStation«
For Optimal Tool Assembly

»toolTower«
For Universal Tool Assembly

Tool Cart
For Convenient Tool Transportation
The ZOLLER «toolOrganizer» is the intelligent, variable tool cabinet for cutting tools and small parts. With this level of organization connected to TMS Tool Management Solutions software, you will always know where items are located and the quantities you have available, meaning that you can reorder necessary parts on time. You can also restrict quantities removed by user group. This means you decide exactly how many items are able to be removed from inventory. In addition, you can save cost centers and budgets, re-order tools to meet your needs, avoid lost items in the warehouse and enjoy optimal cost controlling. That’s more than just efficient – that’s smart tool management.

Individual Configuration
How many drawers and compartments do you need? You can assemble your «toolOrganizer» to meet your needs and arrange your products as necessary – for instance by type, priority, or size.

Maximum Clarity
The display shows the storage locations in the open drawer graphically in 3D. This lets you see at a glance where your selected item is located. This prevents picking errors and mix-ups, and minimizes search times.

Full Control and Transparency
The drawers and compartments in the «toolOrganizer» can be activated directly via TMS Tool Management Solutions. This provides you an overview of the movements of all items, and allows you to restrict access – for user groups or quantities removed. Of course, you can also custom configure all of these functions yourself.
One Cabinet – Multiple Options

»toolOrganizer« Configuration

How much storage do you need? How much space is required? Thanks to the many different available versions of the »toolOrganizer«, you can assemble your own to meet your needs: in mechanical or electronic versions, with just a few large or multiple small compartments, etc.

No matter how you decide to configure your »toolOrganizer«, one thing is clear: it always ensures you have the right quantity and the right tool, right away.

Configurable Usable Height

Height 600 mm (23.62”)

Height 900 mm (35.43”)

Height 1,225 mm (48.23”)

Design

Locking mechanism with central lock

Electronic drawer lock

Electronic »smartCompartment« single compartment locking

Control

Table electronics with »quickPick« control software

Separate »cockpit« control unit with »quickPick« control software

TMS Tool Management Solutions workstation

Drawer Height

Drawer height 50 mm (1.97”)

Drawer height 75 mm (2.95”)

Drawer height 100 mm (3.94”)

Drawer height 125 mm (4.92”)

Drawer height 150 mm (5.91”)

Drawer height 175 mm (6.89”)

Drawer height 200 mm (7.87”)

Drawer height 250 mm (9.84”)

Drawer height 300 mm (11.81”)

Drawer Divisions

4 compartments

8 compartments

12 compartments

16 compartments

24 compartments

48 compartments

Drawers are always installed in the cabinet from smaller (top) to larger (bottom) drawer heights.

How much storage do you need?

How much space is required?

Thanks to the many different available versions of the »toolOrganizer«, you can assemble your own to meet your needs: in mechanical or electronic versions, with just a few large or multiple small compartments, etc.

No matter how you decide to configure your »toolOrganizer«, one thing is clear: it always ensures you have the right quantity and the right tool, right away.
Technical Data

»toolOrganizer« Specifications

Footprint (W x D)
800 x 790 mm (31.5 x 31.1”)

Cabinet heights
875 mm (34.45”), 1,175 mm (46.26”), 1,500 mm (59.06”)

Usable heights
600 mm (23.62”), 900 mm (35.43”), 1,225 mm (48.23”)

Drawer heights
50 mm (1.97”), 75 mm (2.95”), 100 mm (3.94”), 125 mm (4.92”), 150 mm (5.91”), 175 mm (6.89”), 200 mm (7.87”), 250 mm (9.84”), 300 mm (11.81”)

Max. load weight per drawer
Standard: 80 kg per drawer.
For a drawer height of 50 mm (1.97”): 25 kg (55.12 lbs).
For a drawer height of 200 (7.87”) to 300 (11.81”) mm: optional 160 kg (352.74 lbs)

Drawer division
4, 8, 12, 16, 24 or 48 compartments

Lock types
• Mechanical central locking
• Electronic drawer locking
• Electronic single compartment locking
If the cabinet is not locked via a central lock, only one drawer can be opened at a time.

Software
• ZOLLER Smart Cabinets Base Package
• ZOLLER-TMS above Version 1.17.0 with interface (Art. no. 8774203)
• Integration ZOLLER-TMS-Software

Note
The »toolOrganizer« is also available with mechanical locks. The cabinet contents (single components or tools) shown are not included in the scope of delivery. Up to 9 ZOLLER Smart Cabinets can be connected in a series and operated with one control with the electronically controlled versions.

The following controls can be used:
• Table electronics
• Separate »cockpit« control unit
• TMS Tool Management Solutions workstation (external computer)
• ZOLLER presetting and measuring machine

Individual Locking Compartments

To provide maximum transparency in drawers with single compartment locks, there is a separate plastic flap above each compartment. It unlocks electronically when the user selects the compartment via the controller. This ensures access can be tracked for specific users. After the flap is closed, the compartment is once again locked electronically.

Mechanically Locking Drawer

If the central locking mechanism is not blocked, one mechanically locked drawer can be opened at a time. Each compartment is accessible at all times.

Electronically Locking Drawer

Electronically locked drawers only open after being released. Once the drawer is open, every compartment is freely accessible.

Drawer Components

<table>
<thead>
<tr>
<th>Compartment Sizes</th>
<th>4 Compartments</th>
<th>8 Compartments</th>
<th>12 Compartments</th>
<th>16 Compartments</th>
<th>24 Compartments</th>
<th>48 Compartments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compartment Width W in mm (“)</td>
<td>275 (10.83)</td>
<td>125 (4.92)</td>
<td>270 (10.63)</td>
<td>125 (4.92)</td>
<td>125 (4.92)</td>
<td>125 (4.92)</td>
</tr>
<tr>
<td>Compartment Length L in mm (“)</td>
<td>241 (9.50)</td>
<td>241 (9.50)</td>
<td>67 (2.64)</td>
<td>113 (4.45)</td>
<td>67 (2.64)</td>
<td>29 (1.14)</td>
</tr>
<tr>
<td>Compartment Depth D in mm (“)</td>
<td>Panel height minus 5 (0.2)</td>
<td>Panel height minus 5 (0.2)</td>
<td>Panel height minus 5 (0.2)</td>
<td>Panel height minus 5 (0.2)</td>
<td>Panel height minus 5 (0.2)</td>
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</tr>
</tbody>
</table>
keeper

For Complete Tools and Tool Holders

ZOLLER ‘keeper’ is the optimal solution for storing and managing complete tools and tool holders used in your production process. Thanks to networking with TMS Tool Management Solutions software, the ‘keeper’ ensures you can view storage locations of your complete tool assemblies at all times.

Bullseye: Pull-out drawers can be locked mechanically or electronically. With the electronic version, the appropriate drawer is marked by an LED light and unlocked.

Flexible: The tool frames are height adjustable, ensuring you can store tools of all sizes.

Ergonomic: Wide handles ensure the drawer can be easily extended with one hand, even when heavily loaded. Each drawer can handle up to 1,000 kg (2204.62 lbs).

Comprehensive: Specially configured, space-saving tool inserts are available for all common systems.

Rugged: Adjustable feet ensure the ‘keeper’ can be placed securely even on uneven ground.

Comfortable: Drawers are easy to move thanks to high-quality, heavy-duty rollers.

A Place for Everything

Operation of the ‘keeper’ is extremely convenient. The handles are large, making it simple to pull out the drawers. Thanks to a variety of ZOLLER tool inserts, tools with different tool holders, such as SK, HSK, VDI or Capto can be stored.

Tool Navigator

The tool’s storage location in the cabinet is displayed on the screen in 3D. After the software releases the drawer on the ‘keeper’, the drawer is unlocked and the tool can be removed.

Clearing Things Up

Notification LEDs on the drawers indicate the drawer where the requested tool is located. This reduces time spent searching and ensures better efficiency in work processes.
Fits Your Needs – And Everything Fits

»keeper« Configuration

01. Cabinet Height and Drawers
- 2,000 mm (78.74”) high with 5 drawers
- 2,000 mm (78.74”) high with 3 drawers
- 1,000 mm (39.37”) high with 5 drawers
- 1,000 mm (39.37”) high with 3 drawers

02. Design
- Mechanical design
- Electronic design

03. Control
- Table electronics with »quickPick« control software
- Side-mounted panel PC for »keeper 2000«
- Separate »cockpit« control unit with »quickPick« control software
- TMS Tool Management Solutions workstation

04. Division
- 6 tool frames are included in the scope of delivery as a standard for each drawer for the keeper 2000, and 3 for the keeper 1000.
- Tool frames
- Tool inserts

No matter how many or which complete tools and tool holders are in use in your production: »keeper« can adapt flexibly to meet your requirements. Configure it for yourself!
**Technical Data**

**»keeper«**

**»keeper 2000« Specifications**
- Dimensions (H x W x D): 2,100 (82.68) x 1,000 (39.37) x 1,050 (41.34) mm
- Empty weight: 430 kg (947 lbs)
- Cabinet contents (tools, single components) are not included in the scope of delivery.

**»keeper 1000« Specifications**
- Dimensions (H x W x D): 1,175 (46.26) x 1,000 (39.37) x 1,050 (41.34) mm
- Empty weight: 270 kg (595.25 lbs)

**Tool inserts**

<table>
<thead>
<tr>
<th>Accessories</th>
<th>Size Width in mm (”)</th>
<th>Max. Number Per Frame</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tool insert SK 30</td>
<td>72 (2.83)</td>
<td>14</td>
</tr>
<tr>
<td>Tool insert SK 40</td>
<td>95 (3.74)</td>
<td>8</td>
</tr>
<tr>
<td>Tool insert SK 50</td>
<td>72 (2.83)</td>
<td>14</td>
</tr>
<tr>
<td>Tool insert SK 63</td>
<td>95 (3.74)</td>
<td>8</td>
</tr>
<tr>
<td>Tool insert HSK 30</td>
<td>72 (2.83) or 95 (3.74)</td>
<td>14 or 8</td>
</tr>
<tr>
<td>Tool insert HSK 40</td>
<td>95 (3.74)</td>
<td>8</td>
</tr>
<tr>
<td>Tool insert HSK 50</td>
<td>72 (2.83)</td>
<td>14</td>
</tr>
<tr>
<td>Tool insert HSK 63</td>
<td>95 (3.74)</td>
<td>8</td>
</tr>
<tr>
<td>Tool insert (blank) E32</td>
<td>85 (3.31)</td>
<td>8</td>
</tr>
<tr>
<td>Tool insert (blank) E75</td>
<td>75 (2.95)</td>
<td>8</td>
</tr>
<tr>
<td>Tool insert (blank) E120</td>
<td>120 (4.72)</td>
<td>8</td>
</tr>
</tbody>
</table>

**Software**
- ZOLLER Smart Cabinets Base Package
- ZOLLER-TMS above Version 1.17.0 with interface (Art. no. 8774203)
- Integration ZOLLER-TMS-Software

**Note**
- Cabinet contents (tools, single components) are not included in the scope of delivery.
- The »keeper« is also available with mechanical locks.
- Up to 9 ZOLLER Smart Cabinets can be connected in a series and operated with one control using the electronic version.
- The following controls can be used:
  - Table electronics
  - Separate cockpit control unit
  - TMS Tool Management Solutions workstation (external computer)
  - ZOLLER presetting and measuring machine
  - Side-mounted panel PC for »keeper 2000«

**Drawer depth**
- 810 mm (31.89”) for »keeper 1000« and »keeper 2000«

**Spacing tool frame**
- Height: 60 mm (2.36”)
- Grid size: 30 mm (1.18”)

**Grid size**
- Usable height: 1,600 mm (62.99”)

**Tool frame**
- Height: 60 mm (2.36”)
- Grid size: 30 mm (1.18”)

**Tool inserts**
- Maximum number of tool inserts:
  - Maximum number of tool inserts per tool frame:
  - Tool frames per drawer:
  - Number of drawers in cabinet:

<table>
<thead>
<tr>
<th>Tool insert</th>
<th>Max. Number Per Frame</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tool insert SK 30</td>
<td>14</td>
</tr>
<tr>
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<td>8</td>
</tr>
<tr>
<td>Tool insert (blank) E120</td>
<td>8</td>
</tr>
</tbody>
</table>

**Insert D 78 VSM size 1**
- Insert D 78 VSM size 1: 130 (5.12) x 2

**Insert D 92 VSM size 2/Adapter GA**
- Insert D 92 VSM size 2/Adapter GA: 328 (12.91) x 2

**Wooden insert (blank)**
- Wooden insert (blank): 328 (12.91) x 2

**Basis insert for small parts**
- Basis insert for small parts: 810 (31.89) x 1

**Open storage container for basis insert**
- Open storage container for basis insert: 103 (4.06) x 8
autoLock

For Testing Equipment, Operating Materials and Large Components

Everything ready to go: The «autoLock» storage cabinet, in combination with TMS Tool Management Solutions, makes sure you are always ready. Manual and power tools, gauges, measurement devices and lubricants can be locked securely and are easily accessible. The control software allows you to manage access authorizations and swap out objects with integrated access control.

Visibly Secure

Until the door is released via TMS, items are secure, and are protected against unauthorized access by an electronically locking drawer. The LED light indicates when the door is unlocked and can be opened.

Accessible Testing Equipment

Once items have been added in ZOLLER-TMS, you can trace where they are located with a single click. The easy-to-understand graphical interface shows you which cabinet and drawer the items are located in.

Completely Extendable

The storage shelves can be fully extended. This makes it convenient to see and access every item in the «autoLock», even those stored on the back of the shelf.
Technical Data

»autoLock« Specifications

Dimensions (H x W x D)
2,100 (82.68) x 1,000 (39.37) x 1,055 (41.34) mm ("outer")
1,900 (74.8) x 650 (25.59) x 790 (31.1) mm ("inner")

Weight
250 kg (551.16 lbs)

Electrical connection values
230 V / 50 Hz / < 1 kVA

Compartment dimensions (W x D)
660 mm (25.98") x 900 mm (35.43")

Payload per compartment
80 kg (176.37 lbs)

Optional
• Up to 9 extendable compartments
  (minimum distance of 200 mm (7.87") and max. load height of 150 mm (5.91"))
• The »autoLock« is also available with a mechanical lock

Software
• ZOLLER Smart Cabinets Base Package
• ZOLLER-TMS above Version 1.17.0 with interface (Art. no. 8774203)
• ZOLLER-TMS software integration

Note
Stored items shown are not included in the scope of delivery. Up to 9 ZOLLER Smart Cabinets can be connected in a series and operated with one control with the electronically controlled versions.
• Side-mounted panel PC with 24" monitor
• Separate »cockpit« control unit
• TMS Tool Management Solutions workstation (external computer)
• ZOLLER presetting and measuring machine

An ideal choice for structured, clear storage: With »autoLock«, you benefit from easy access for maximum user convenience, and from a well thought out design that allows space for both large and small items.
With the «twister», you can store small cutting tools, cutting insert packages, maintenance repair and operating materials and small parts. Thanks to its connection to TMS Tool Management Solutions, you always have an accurate view of your current inventory levels. You benefit from precise circulation controlling and storage transparency. You can reorder items in a timely manner, and thanks to seamless documentation, you can trace and analyze one hundred percent of removals from the «twister».

Adaptable

«twister» is available in sizes S and L. «twister» S offers space for 6 coils, «twister» L for 10 coils per level. The coils on the levels are available with different windings, so that 10 to 24 items can be stored per coil to provide space for items of all sizes.

Everything in View

«twister» is activated via the TMS Tool Management Solutions software. This allows the user to keep stock levels in view at all times and reorder immediately when stock levels are low.

Simple Access

The storage levels can be pulled out for easy loading. This means items can be stored quickly – ideal for frequently used materials.
Organize once, and then never search again: Configure your custom «twister».
You can select the width of the storage cabinet and number of storage spaces to meet your needs, as well as the type of control used.

1,2,3 – done!

»twister« Configuration

01. Cabinet Size

»twister« L: Width 990 mm (38.98")
Height 1,830 mm (72.05")

»twister« S: Width 724 mm (28.5")
Height 1,830 mm (72.05")

»microtwister«: Width 565 mm (22.24")
Height 1,030 mm (40.55")

02. Control

Separate «cockpit» control unit with «quickPick» control software

TMS Tool Management Solutions workstation

ZOLLER presetting and measuring machines with Smart Cabinets software module

03. Design

»twister« L

24 storage spaces per coil
18 storage spaces per coil
12 storage spaces per coil
10 storage spaces per coil

»twister« S

24 storage spaces per coil
18 storage spaces per coil
15 storage spaces per coil
12 storage spaces per coil

»microtwister«

18 storage spaces per coil
15 storage spaces per coil
12 storage spaces per coil
10 storage spaces per coil

ZOLLER presetting and measuring machines with TMS Tool Management Solutions software module

TMS Tool Management Solutions workstation
Technical Data

»twister«

<table>
<thead>
<tr>
<th>Specifications</th>
<th>»twister«, Version L</th>
<th>»twister«, Version S</th>
<th>»microtwister«</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions</td>
<td>1,830 (72.05) x 990 (38.98) x 910 (35.83) mm (*)</td>
<td>1,830 (72.05) x 724 (28.5) x 750 (29.53) mm (*)</td>
<td>1,030 (40.55) x 565 (22.24) x 635 (25) mm (*)</td>
</tr>
<tr>
<td>Empty weight</td>
<td>247 kg (112.04 lbs)</td>
<td>190 kg (418.88 lbs)</td>
<td>81 kg (176.37 lbs)</td>
</tr>
<tr>
<td>Max load level</td>
<td>36 kg (79.37 lbs)</td>
<td>36 kg (79.37 lbs)</td>
<td>36 kg (79.37 lbs)</td>
</tr>
<tr>
<td>Max load coil</td>
<td>4.5 kg (9.92 lbs)</td>
<td>4.5 kg (9.92 lbs)</td>
<td>4.5 kg (9.92 lbs)</td>
</tr>
<tr>
<td>Electrical</td>
<td>230 V / 50 Hz / &lt; 1 kVA</td>
<td>230 V / 50 Hz / &lt; 1 kVA</td>
<td>230 V / 50 Hz / &lt; 1 kVA</td>
</tr>
<tr>
<td>Software</td>
<td>ZOLLER Smart Cabinets Base Package</td>
<td>ZOLLER-TMS above Version 1.17.0 with interface (Art. no. 8774203)</td>
<td>ZOLLER presetting and measuring machine</td>
</tr>
<tr>
<td>Note</td>
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<td>Separate »cockpit« control unit</td>
<td>TMS Tool Management Solutions workstation (external computer)</td>
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- Integration ZOLLER-TMS-Software

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Separate »cockpit« control unit

TMS Tool Management Solutions workstation (external computer)

- ZOLLER presetting and measuring machine

Practical: The storage location of the item you are searching for is highlighted graphically in the TMS Tool Management Solutions software.

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Separate »cockpit« control unit

TMS Tool Management Solutions workstation (external computer)

- ZOLLER presetting and measuring machine

Practical: The storage location of the item you are searching for is highlighted graphically in the TMS Tool Management Solutions software.
toolStation

For Optimal Tool Assembly

Everything you need for economical tool (data) handling from a single source. With the »toolStation« workbench from ZOLLER, you can complete your tool storage and offer your employees a comfortable work area for tool assembly: with optimal lighting and clearly arranged assembly tools. Clever: Up to two »toolOrganizer« cabinets can be housed under the workbench – for fast access to components and accessories.

Everything Within Reach

Required tools can be placed securely on the rear wall with its hole pattern. The backlight rear panel ensures well-lit working conditions.

Convenient Tool Assembly

The permanently installed mounting device makes safe horizontal and vertical tool assembly easier. Along with optimal lighting, a comfortable working height and connections and tools always within reach, the »toolStation« offers everything workers need for comfortable, precise work.

Connection to Tool Management

The »toolStation« is connected to TMS Tool Management Solutions through either a control unit mounted on the rear wall or a separate control unit. This means the »toolOrganizer 600« integrated into the workbench, for instance, can be activated directly, and items can be checked out and removed and drawings and parts lists can be displayed.
2 Steps to the »toolStation«

»toolStation« Configuration

01. Size and Design

Width 3,000 mm (118.11")

- »toolStation« with rear wall
- »toolStation« with rear wall, monitor bracket
- »toolStation« with rear wall, monitor bracket and one »toolOrganizer 600«
- »toolStation« with rear wall, monitor bracket and rear wall can be placed on either the left or right

Width 2,450 mm (96.46")

- »toolStation« with rear wall and two »toolOrganizer 600«
- »toolStation« with rear wall
- »toolStation« with rear wall and one »toolOrganizer 600«
- »toolStation« with rear wall, with one »toolOrganizer 600«

Width 1,630 mm (64.17")

- »toolStation« with rear wall and one »toolOrganizer 600«
- »toolStation« without rear wall and one »toolOrganizer 600«
- »toolStation« without rear wall, with power strip and one »toolOrganizer 600«
- »toolStation« without rear wall, without power strip and with no »toolOrganizer 600«

02. Control

Panel PC for attachment to the work bench table

Panel PC for attachment to the rear wall using »quickPick« control software

TMS Tool Management Solutions workstation

Note: »toolOrganizer 600« configuration on page 12
Technical Data

`>toolStation<`

**»toolStation« large, with rear wall and 2 »toolOrganizer«**
- Total height including rear wall: 2,100 mm (82.68")
- Worktop height: 925 mm (36.42")
- Workbench width: 3,000 mm (118.11")
- Workbench depth: 1,040 mm (40.94")

**Small »toolStation«, without rear wall, with power strip and one »toolOrganizer«**
- Total height including power strip: 1,098 mm (43.23")
- Worktop height: 925 mm (36.42")
- Workbench width: 1,630 mm (64.17")
- Workbench depth: 1,040 mm (40.94")

**»toolStation« top view with 2,450 mm (96.46") width**

Large »toolStation« Specifications
- Total height including rear wall: 2,100 mm (82.68")
- Worktop height: 925 mm (36.42")
- Workbench width: 3,000 mm (118.11")
- Workbench depth: 1,040 mm (40.94")

Software
- ZOLLER Smart Cabinets Base Package
- ZOLLER-TMS above Version 1.17.0 with interface (Art. no. 8774203)
- Integration ZOLLER-TMS-Software

Note
- Accessories shown, such as manual tools, are not included in the scope of delivery. The power supply can be fed from either the top or the bottom.

Options

1. Panel PC incl. keyboard and mouse storage board for using TMS Tool Management Solutions directly at the workplace
2. Panel PC incl. keyboard and mouse storage board for using TMS Tool Management Solutions on the worktop
3. »toolOrganizer 600« for storing single components within reach
4. Base cabinet with 50 mm (1.97") push-to-open drawer and fixed or extendable interior insert compartments
5. Assembly hook set for hanging assembly tools on the rear wall
6. Tool assembly device for mounting and clamping tool holders such as HSK, SK, Capto, VDI
7. Energy duct with pneumatic and electronic connections
8. Plexiglas panel for a quick, easy to clean worktop

Practical: The storage location of the item that you are searching for is highlighted graphically in the TMS Tool Management Solutions software.

Note: »toolOrganizer 600« configuration on page 12
toolTower

For Universal Tool Assembly

Assembly made easy – with the ZOLLER «toolTower». It offers up to four easily accessible, central assembly stations. You can hang assembly hooks on the rear wall, which is equipped with a lighting system. This is a practical option for your manual tools and other accessories.

Our recommendation: Place a «toolOrganizer» under the mounting panel. This ensures you have all the single components and accessories readily available at the «toolTower».

Everything Within Reach

Required tools can be placed securely on the rear wall with hole pattern. A backlit rear panel guarantees well lit working conditions.

Accessible from Every Direction

The «toolTower» offers space for four assembly stations, making it an optimal central focal point for efficient tool assembly.

Connection to Tool Management

The «toolStation» is connected to TMS Tool Management Solutions through either a control unit mounted on the rear wall or a separate control unit.

*optional
Choose Your »toolTower«

»toolTower« Configuration

Do you have several employees who prepare and assemble tools every day? Do you want to find an efficient, space-saving solution for their work? Then our »toolTower« is the right choice for you. Just select your preferred version – and you’re done.

01. Design

- »toolTower« with »toolOrganizer«
- »toolTower« with base cabinet
- »toolTower« with base

Note: All versions are also available without a panel PC. »toolOrganizer 600« configuration on page 12.

02. Drawers

- Locking mechanism with central lock
- Electronic drawer lock
- Electronic »smartCompartment«

- Single compartment locking

- Drawer height 50 mm (1.97”)
- Drawer height 75 mm (2.95”)
- Drawer height 100 mm (3.94”)
- Drawer height 125 mm (4.92”)
- Drawer height 150 mm (5.91”)
- Drawer height 175 mm (6.89”)
- Drawer height 200 mm (7.87”)
- Drawer height 250 mm (9.84”)
- Drawer height 300 mm (11.81”)

Drawers are always installed in the cabinet from smaller (top) to larger (bottom)

03. Drawer Height

04. Drawer Divisions

- 4 compartments
- 8 compartments
- 12 compartments
- 16 compartments
- 24 compartments
- 48 compartments only with 75 mm (2.95”) and 100 mm (3.94”) drawer heights
**Technical Data**

»toolTower« Specifications

- Total height including rear wall: 2,100 mm (82.68")
- Worktop height: 925 mm (36.42")
- »toolTower« width: 1,490 mm (58.66")
- »toolTower« depth: 1,595 mm (62.8")

Rear wall with hole pattern

- Grid spacing: 9 (0.35) x 9 (0.35) mm (")
- Dividing grid: 37 mm (1.46")

Software

- ZOLLER Smart Cabinets Base Package
- ZOLLER-TMS above Version 1.17.0 with interface (Art. no. 8774203)
- Integration ZOLLER-TMS-Software

Note

Accessories shown, such as manual tools, are not included in the scope of delivery. The energy supply can be fed from either the top or bottom.

**Options**

1. Panel PC incl. keyboard and mouse storage board for using TMS Tool Management Solutions directly at the workplace

2. »toolorganizer 600« for storing single components within reach

3. Base cabinet with 50 mm (1.97") push-to-open drawer and fixed or extendable interior insert compartments.

4. Assembly hook set for hanging assembly tools on the rear wall

5. Tool assembly device for mounting and clamping tool holders such as HSK, SK, Capto, VDI

6. Plexiglas panel for a quick, easy to clean worktop

7. Energy duct with pneumatic and electronic connections
Always ready for use: With ZOLLER tool carts, you can stay mobile in production, transporting tools, attachment holders and adapters comfortably and safely at all times.

Flexible: Tool frames can be attached to the universal grid on the side walls – for complete tools of many different sizes.

Practical: Storage area for paper and drawings.

The tool cart is also available with optional drawers, an oil pan or an additional storage board.

High-quality, workshop-ready castors equipped with brakes.

Handles a Full 450 kg (992 lbs)
Extremely sturdy: Thanks to its stable design, you can use a ZOLLER tool cart filled with 9 tool frames to transport up to 108 tools with a total load of up to 450 kg (992 lbs). The Y-shape of the tool inserts makes it possible to mount even more tools per frame using a zipper principle.

Readily Available and On Site
Tools, adapters and attachment holders are always available and secure, for instance beside the presetting and measuring machine. Users can also bring along drawings and other inspection materials thanks to optional storage areas.

Flexible Use
Up to five tool frames for holding complete tools of many different sizes in the tool cart. Thanks to the optimal grid on the frame inside the cart, you can position the frame in the most convenient way for you.
Technical Data

Tool Cart

Tool Cart Specifications

Dimensions (H x W x D)
983 (38.7) x 1,046 (41.18) x 650 (25.59) mm (*)

Exchangable frame length
730 mm (28.74*)

Note
Tools and tool holders are not included in the scope of delivery. An optional protective frame protects against injury from the tools.

Tool insert S

Reducer insert (3 piece set) Base body

Area for identification number

Tool insert L

Reducer insert (3 piece set) Base body

Area for identification number

<table>
<thead>
<tr>
<th>Tool Inserts</th>
<th>Accessories</th>
<th>Size</th>
<th>Width in mm (*)</th>
<th>Max. Number per Frame</th>
</tr>
</thead>
<tbody>
<tr>
<td>L S</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>tool insert SK 30</td>
<td></td>
<td>72 (2.83)</td>
<td>13</td>
<td></td>
</tr>
<tr>
<td>tool insert SK 40</td>
<td></td>
<td>95 (3.74)</td>
<td>7</td>
<td></td>
</tr>
<tr>
<td>tool insert HSK 25, 32</td>
<td></td>
<td>72 (2.83)</td>
<td>13</td>
<td></td>
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<tr>
<td>tool insert HSK 40</td>
<td></td>
<td>95 (3.74)</td>
<td>7</td>
<td></td>
</tr>
<tr>
<td>tool insert HSK 50</td>
<td></td>
<td>72 (2.83)</td>
<td>13</td>
<td></td>
</tr>
<tr>
<td>tool insert HSK 63</td>
<td></td>
<td>72 (2.83) or 95 (3.74)</td>
<td>13 or 7</td>
<td></td>
</tr>
<tr>
<td>tool insert HSK 80</td>
<td></td>
<td>95 (3.74)</td>
<td>7</td>
<td></td>
</tr>
<tr>
<td>tool insert HSK 100</td>
<td></td>
<td>72 (2.83)</td>
<td>13</td>
<td></td>
</tr>
<tr>
<td>tool insert Capto C4</td>
<td></td>
<td>72 (2.83)</td>
<td>13</td>
<td></td>
</tr>
<tr>
<td>tool insert Capto C5</td>
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<td>95 (3.74)</td>
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<td>tool insert Capto C10</td>
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<td>75 (2.95)</td>
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</tr>
<tr>
<td>tool insert (blank) B58</td>
<td></td>
<td>120 (4.72)</td>
<td>7</td>
<td></td>
</tr>
<tr>
<td>tool insert (blank) B75</td>
<td></td>
<td>95 (3.74)</td>
<td>7</td>
<td></td>
</tr>
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<td>tool insert (blank) B120</td>
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<td>95 (3.74)</td>
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<tr>
<td>tool insert D 78 VSH size 1</td>
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<td>95 (3.74)</td>
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<tr>
<td>tool insert D 92 VSH size 2/Adapter GA</td>
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<td>130 (5.12)</td>
<td>6</td>
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<tr>
<td>Wooden insert (blank)</td>
<td></td>
<td>328 (12.91)</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>D 42 L=Drill holes</td>
<td></td>
<td>328 (12.91)</td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>

ZOLLER Standard Tool Carts each contains 5 tool frames for holding the tool inserts

<table>
<thead>
<tr>
<th>Accessories</th>
<th>Number (pieces)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZOLLER tool cart Standard SK 40</td>
<td>60</td>
</tr>
<tr>
<td>ZOLLER tool cart Standard SK 50</td>
<td>35</td>
</tr>
<tr>
<td>ZOLLER tool cart Standard HSK 63</td>
<td>60</td>
</tr>
<tr>
<td>ZOLLER tool cart Standard HSK 63 L</td>
<td>35</td>
</tr>
<tr>
<td>ZOLLER tool cart Standard Capto C10</td>
<td>60</td>
</tr>
</tbody>
</table>
One major benefit of the ZOLLER system is the company’s openness to third-party systems – including their readiness to develop new interfaces. Another advantage is the graphical display of tool storage locations with the tool management software – this lets you know directly where the item you need is located and prevents you from having to search for it. Since we have consistent data and an overview of tool circulation thanks to the central ZOLLER tool database, we have been able to optimize our inventory and enjoy significant savings.

Michael Trebing, Area Manager of Production at SIM Automation GmbH, Heilbad Heiligenstadt, discusses the advantages of ZOLLER TMS Tool Management Solutions software and hardware.
Control Your Tool Storage

with TMS Tool Management Solutions Software from ZOLLER

With ZOLLER TMS Tool Management Solutions software, you benefit from transparent tool circulation and storage information. You can control access rights, display storage locations graphically with a single click, print out inventory reports and trigger orders. Incorrectly stored materials and machine downtimes due to missing tools are a thing of the past thanks to ZOLLER TMS Tool Management Solutions software.

In a nutshell: Enjoy higher profits with Smart Cabinets in conjunction with TMS Tool Management Solutions!

Measuring Material Management
Better control of measuring and testing materials with setup sheet management – inspection schedules can be defined and calibration intervals monitored, while test reports are output featuring clear graphics.

Equipment Management
Efficient management of your equipment in addition to your tools, including tools drawings and assembly instructions saved in the setup sheet.

Article Statistics
This makes tool usage more transparent and avoids under-utilized tool potential: Convenient analysis of tool usage with "hit/flop lists" allows you to identify areas where optimization is needed, which saves you money.

NC Program Management
NC programs offer simple organization: Import, export and edit – quickly and easily. Versions can be compared and the desired version can be activated; programming information is also available.

Really Smart – Everyone’s a Winner with the Consignment Warehouse
An advantage to tool manufacturers and production companies alike: the »toolOrganizer« in combination with TMS Tool Management Solutions as a consignment warehouse.
- Production companies always have the tools they need, and only pay for the ones they actually remove.
- Tool suppliers guarantee a reliable supply for the customer – a reporting service informs them of customer stock levels.
By purchasing a Smart Cabinet, you have made a long-term investment. Our service department helps ensure maximum availability for your storage solution. Anyone who chooses ZOLLER has chosen not only outstanding products, but competent partners to stand by them at any time – throughout the entire life cycle of their ZOLLER products.

Well Advised
What are your requirements? Whether you choose a »toolOrganizer«, »keeper«, »toolStation«, »toolTower« or »autoLock«: From the initial idea to the development of your storage solution, precisely adapted to fit your requirements, to commissioning – ZOLLER is there with you at all times, offering our comprehensive expertise.

Custom Planning
Thanks to a diverse range of customization options, you will receive products that precisely conform to your needs. This includes the planning to integrate your cabinets in the best way into your production space. But there’s one thing you can always rely on: You will receive detailed and practical planning for your storage solution.

Transparent Offers
After the planning process comes the offer – a completely transparent price without hidden costs. This gives you the best possible security in your planning and your investment. We also offer financing options – ask us for more information.

Quick Delivery
Have you made your decision? Then nothing should stand in the way of your new storage solution. That’s why we get your Smart Cabinets delivered as quickly as possible in a secure and direct way.

Professional Implementation
To ensure you can utilize your storage solution to its fullest potential, our trained personnel provide professional support for initial operations. They also take over training of your employees. We know that competent technicians who can work independently are the basis for your success.

Always Here for You
Do you need our support? After installation is complete, we will stand by your side with support and consultation services. You can always count on our repair and maintenance services and our quick service reaction times.

We will provide you with a 3D storage plan, so you can see how your equipment will look in the space. Arrangements can be revised quickly and corrected on the layout until everything matches your needs perfectly.
ZOLLER quality is “made in Germany” – and there for you, anywhere in the world.

Our company has a global presence with 59 site locations of our own branches and representatives network. This guarantees you first-class, personalized customer service in every corner of the world.
ZOLLER Solutions

More speed, higher quality, reliable processes – with ZOLLER you get more out of your production process. We combine hardware, software and service to create optimum system solutions for presetting, measuring, inspecting and managing tools.

Everything from a single source.
Everything for your success.
Everything with ZOLLER Solutions.

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