

Intelligent Storage and Management Solutions
for Tools, Components and Accessories

ZOLLER
expect great measures

Smart Cabinets



Smart Cabinets

Clever Storage Solutions for Networked Manufacturing

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.



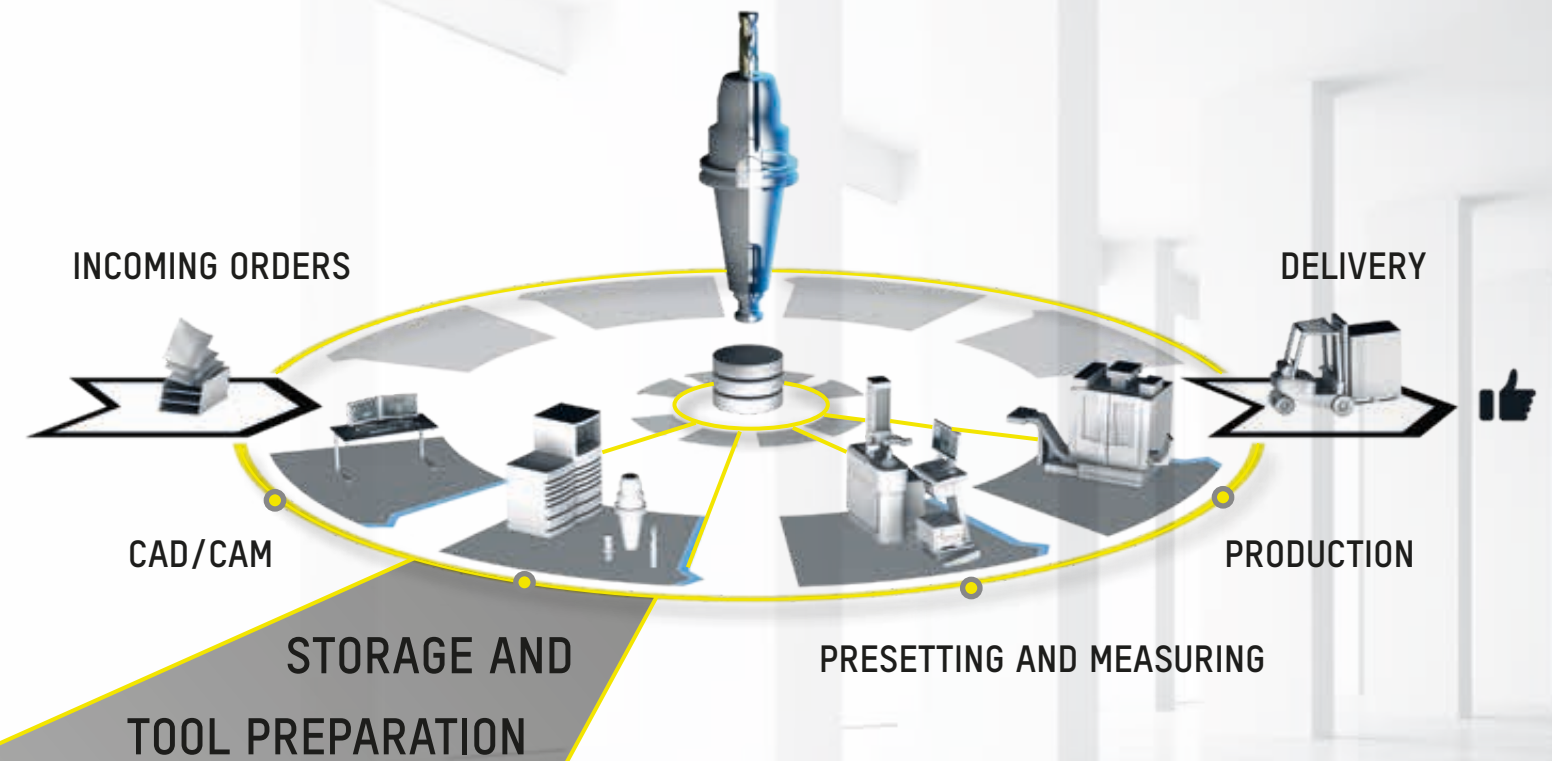
Well-Organized

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.



Your Storage – Your Choice

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.

M – mechanically locked
 E – electronically locked
 ✓ – access
 / – no access



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

Page
10



»keeper«
For Complete Tools
and Tool Holders

Page
16



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

Page
22



»twister«
For Tool Components
and Accessory Parts

Page
26

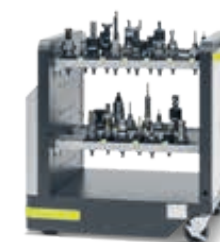


»toolStation«
For Optimal
Tool Assembly

Page
32

»toolTower«
For Universal
Tool Assembly

Page
38



Tool Cart
For Convenient
Tool Transportation

Page
44

toolOrganizer

For Cutting Tools and Small Parts

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.

Secure: The optional central locking mechanism protects against unauthorized access.

Thought out: The electronics are located in a compact, service-friendly unit.

Drawer Division: Each drawer can be configured with different dividers based on your requirements.

Visual orientation: LEDs indicate which drawer and which compartment can be opened.

Custom-tailored: With drawers of different heights that can be locked both mechanically and electronically.

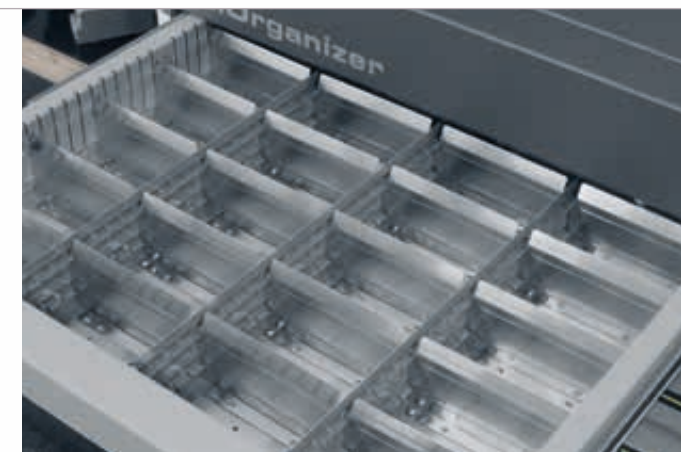
Rugged: Adjustable feet to set up the cabinet even on uneven ground.



Image: »toolOrganizer«
electronic version and table electronics

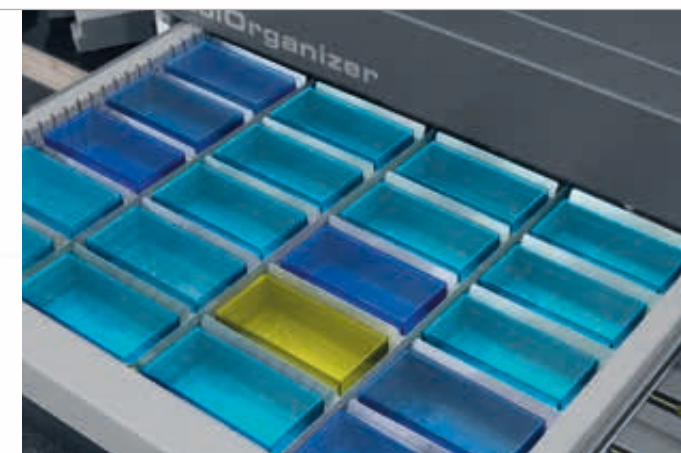
Individual Configuration

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.

01.

Configurable Usable Height

Height 600 mm (23.62")



Height 900 mm (35.43")



Height 1,225 mm (48.23")



02.

Design

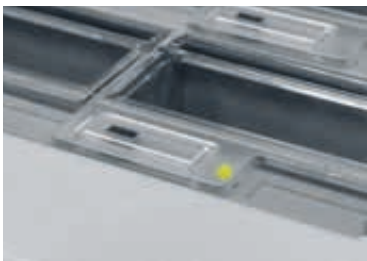
Locking mechanism with central lock



Electronic drawer lock



Electronic »smartCompartment« single compartment locking



03.

Control

Table electronics with »quickPick« control software



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



TMS Tool Management Solutions workstation



ZOLLER presetting and measuring machines with Smart Cabinets software module



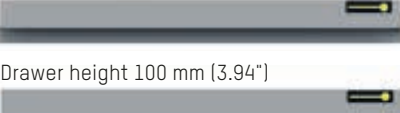
04.

Drawer Height

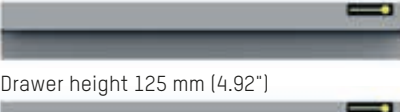
Drawer height 50 mm (1.97")



Drawer height 75 mm (2.95")



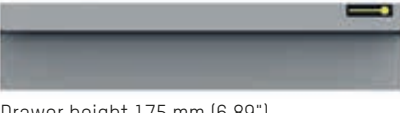
Drawer height 100 mm (3.94")



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")



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

05.

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

»toolOrganizer«



- »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.

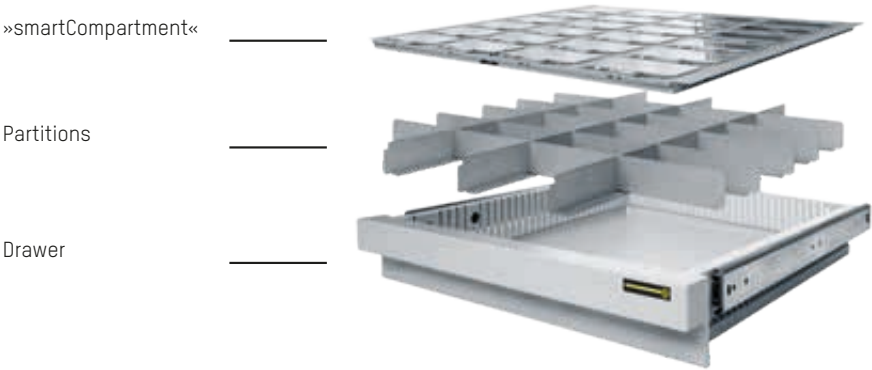
- The following controls can be used:
- Table electronics
 - Separate »cockpit« control unit
 - TMS Tool Management Solutions workstation (external computer)
 - ZOLLER presetting and measuring machine

Individually Locking Compartments



Example: 12 compartments with single compartment locking

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.



Drawer Components

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.



Compartment Sizes	4 Compartments	8 Compartments	12 Compartments	16 Compartments	24 Compartments	48 Compartments
Compartment Width W in mm (")	275 (10.83)	125 (4.92)	270 (10.63)	125 (4.92)	125 (4.92)	91 (3.58)
Compartment Length L in mm (")	241 (9.49)	241 (9.49)	67 (2.64)	113 (4.45)	67 (2.64)	29 (1.14)
Compartment Depth D in mm (")	Panel height minus 5 (0.2)	Panel height minus 5 (0.2)	Panel height minus 5 (0.2)	Panel height minus 5 (0.2)	Panel height minus 5 (0.2)	35 (1.38)

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.

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).

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

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

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!

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**



**ZOLLER presetting
and measuring
machines**
with Smart Cabinets
software module



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.

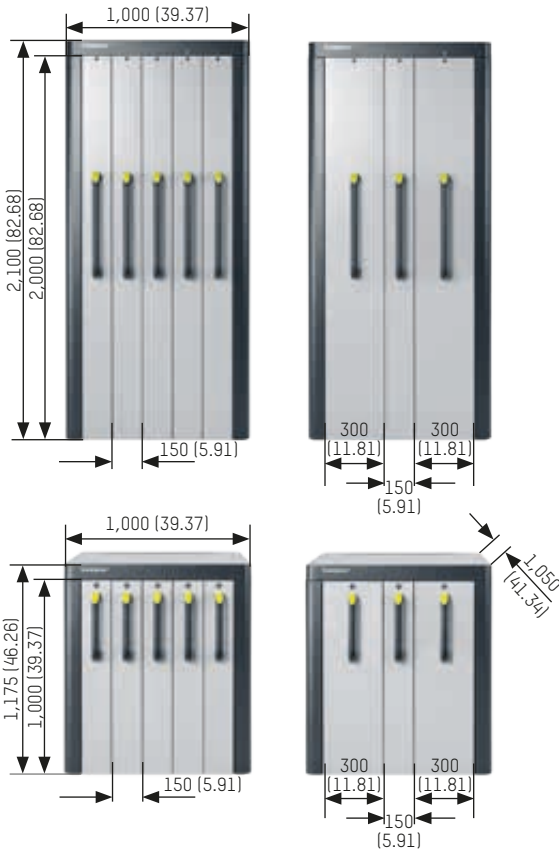
Tool frames

Tool inserts



Technical Data

»keeper«



»keeper« Specifications

Max. tool diameter

150 mm (5.91") (with 5 drawers)
300 mm (11.81") (with 3 drawers)

Max. weight per vertical pull-out drawer

1,000 kg (2204.62 lbs)

Electrical connection values

230 V / 50 Hz / < 1 kVA

Drawer depth

810 mm (31.89")

Tool frame spacing with standard filling

170 mm (6.69")

Compartment height

Various configuration possibilities

»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)

Capacity

- 3 or 5 vertical pull-out drawers with 6 tool frames each
- 6 tool frames are included in the scope of delivery – additional frames available upon request

»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)

Capacity

- 3 or 5 vertical pull-out drawers with 3 tool frames each and a basin for small parts boxes for accessories

Drawer depth

810 mm (31.89") for »keeper 1000« and »keeper 2000«

Tool frame

height 60 mm (2.36")

Spacing

tool frame
170 mm (6.69") for »keeper 1000« and »keeper 2000«

Grid size

30 mm (1.18")

Tool inserts

maximum number of tool inserts
= maximum number of tool inserts per tool frame
x tool frames per drawer
x number of drawers in cabinet

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 with 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«



Tool inserts		Accessories	Size		Width in mm (")	Max. Number Per Frame
L	S		S	L		
		Tool insert SK 30	●	●	72 (2.83)	14
		Tool insert SK 40				
		Tool insert SK 50			95 (3.74)	8
		Tool insert HSK 25, 32	●		72 (2.83)	14
		Tool insert HSK 40				
		Tool insert HSK 50				
		Tool insert HSK 63	●	●	72 (2.83) or 95 (3.74)	14 or 8
		Tool insert HSK 80				
		Tool insert VDI 30	●		72 (2.83)	14
		Tool insert VDI 40				
		Tool insert Capto C4	●		72 (2.83)	14
		Tool insert Capto C5				
		Tool insert Capto C6				
		Tool insert (blank) B58			85 (3.35)	8
		Tool insert (blank) B75			75 (2.95)	8
		Tool insert (blank) B120			120 (4.72)	8
		Insert D 78 VSH size 1			95 (3.74)	7
		Insert D 92 VSH size 2/Adapter GA			130 (5.12)	6
		Wooden insert (blank)			328 (12.91)	2
		D 42 14 Drill holes			328 (12.91)	2
		Basin insert for small parts			810 (31.89)	1
		Open storage container for basin insert			103 (4.06)	8

»keeper«: Tool Insert Complete Package	Accessories	»keeper 2000« Number	»keeper 1000« Number
	Tool inserts SK 40 S	390	195
	Tool inserts HSK 63 S	390	195
	Tool inserts HSK 63 L	240	120
	Tool inserts VDI 30	390	195
	Tool inserts Capto C6	390	195

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.

Practical: Automatic door unlocking after release in the software

Design: 4 to 9 pull-out drawers for clear storage of your items



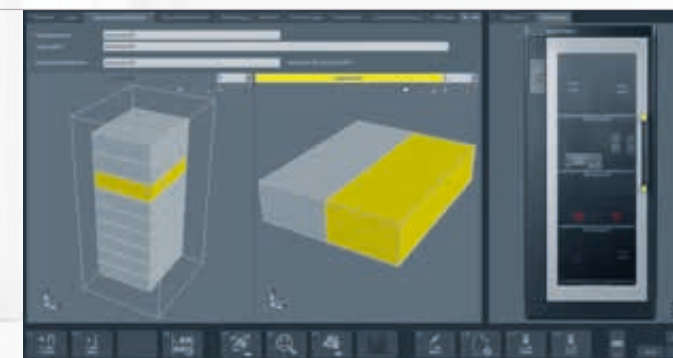
Visibly Secure

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«



- »autoLock« Specifications**
- Dimensions (H x W x D)**
2,100 (82.68) x 1,000 (39.37) x 1,055 (41.34) mm (") (exterior)
1,900 (74.8) x 650 (25.59) x 790 (31.1) mm (") (interior)
- 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") with a 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



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

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.



twister

For Tool Components and Accessory Parts

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«.

Flexible: 7 compartment levels with different coiled coils.

Large flap with padded base providing protection of items during removal and comfortable user access.



Adaptable

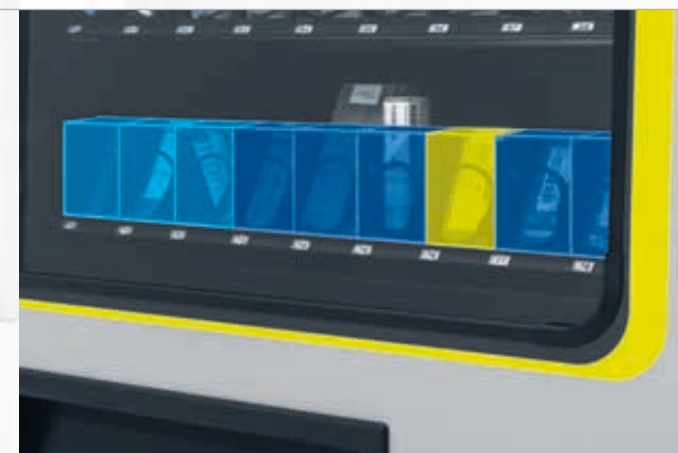
»twister« is available in sizes S and L. »twister« S offers space for 6 coils, »twister« L for 10 coils per level.

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.



1,2,3 – done!

»twister« Configuration

01.

Cabinet Size

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.

»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



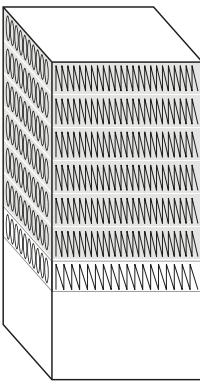
ZOLLER presetting and measuring machines with Smart Cabinets software module



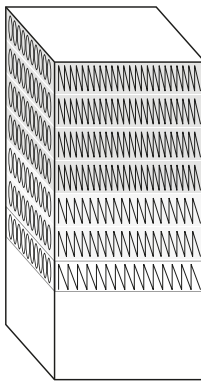
03.

Design

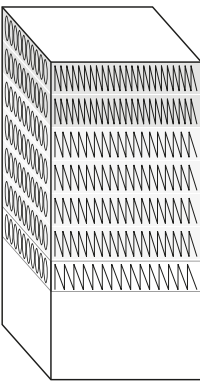
»twister« L



24 storage spaces per coil
18 storage spaces per coil

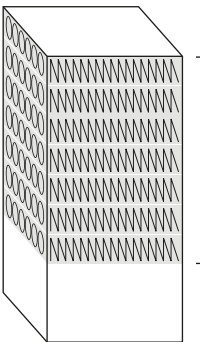


24 storage spaces per coil
18 storage spaces per coil
15 storage spaces per coil

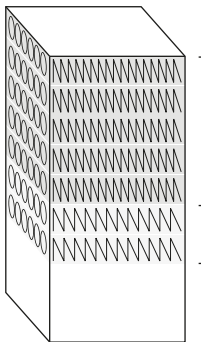


24 storage spaces per coil
18 storage spaces per coil
15 storage spaces per coil

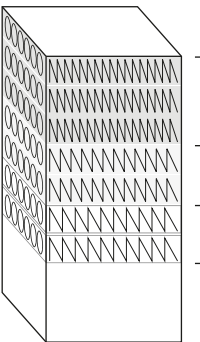
»twister« S



17 storage spaces per coil

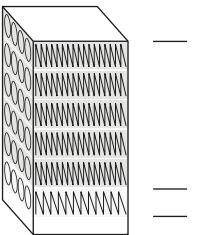


17 storage spaces per coil
12 storage spaces per coil



17 storage spaces per coil
12 storage spaces per coil
10 storage spaces per coil

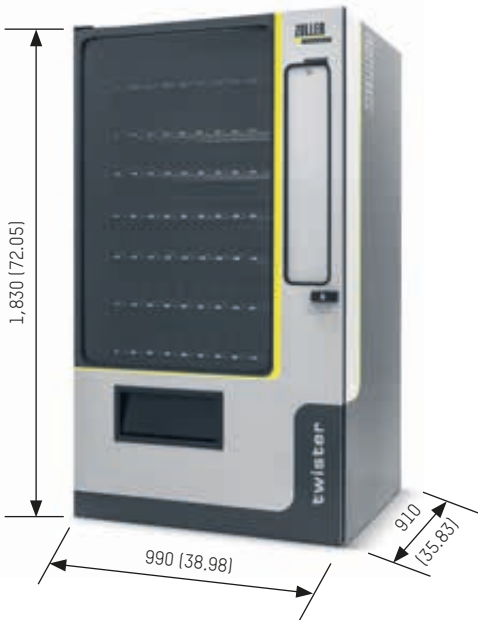
»microtwister«



17 storage spaces per coil
12 storage spaces per coil

Technical Data

»twister«



»twister«, Version L Specifications

- Dimensions (H x W x D)**
1,830 (72.05) x 990 (38.98) x 910 (35.83) mm (")
- Empty weight**
247 kg (112.04 lbs)
- Maximum load weight per level**
36 kg (79.37 lbs)
- Maximum load weight per coil**
4.5 kg (9.92 lbs)
- Electrical connection values**
230 V / 50 Hz / < 1 kVA

»twister«, Version S Specifications

- Dimensions (H x W x D)**
1,830 (72.05) x 724 (28.5) x 750 (29.53) mm (")
- Empty weight:**
190 kg (418.88 lbs)
- Maximum load weight per compartment**
36 kg (79.37 lbs)
- Maximum load weight per coil**
4.5 kg (9.92 lbs)
- Electrical connection values**
230 V / 50 Hz / < 1 kVA

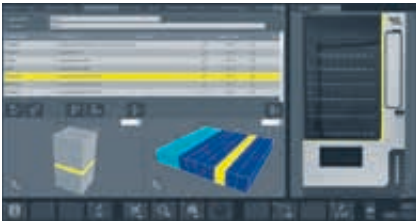
»microtwister« Specifications

- Dimensions (H x W x D)**
1,030 (40.55) x 565 (22.24) x 635 (25) mm (")
- Empty weight:**
81 kg (176.37 lbs)
- Maximum load weight per compartment**
36 kg (79.37 lbs)
- Maximum load weight per coil**
4.5 kg (9.92 lbs)
- Electrical connection values**
230 V / 50 Hz / < 1 kVA

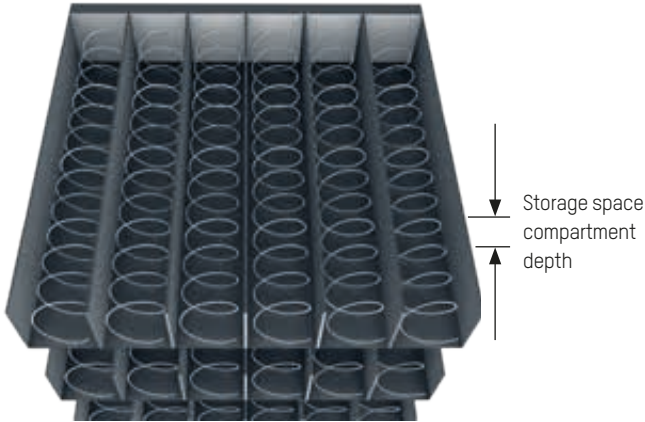
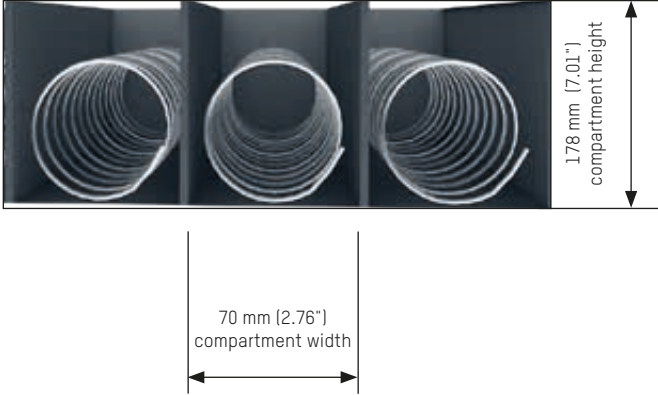
- Software**
 - ZOLLER Smart Cabinets Base Package
 - ZOLLER-TMS above Version 1.17.0 with interface (Art. no. 8774203)
 - Integration ZOLLER-TMS-Software
- Note**

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 electronic version.

 - 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.



»twister« with levels, coils and storage spaces

»twister« L 10 coils per Level									»twister« S 6 coils per level						»microtwister« S 4 coils per level	
Confi. 1			Confi. 2			Confi. 3			Confi. 1	Confi. 2		Confi. 3			Confi. 1	
Number of Levels	6	1	4	2	1	2	4	1	7	5	2	3	2	2	5	1
Number of Storage Spaces	24	18	24	18	15	24	18	15	17	17	12	17	12	10	17	12
Compartment Depth in mm (")	23 (0.91)	31 (1.22)	23 (0.91)	31 (1.22)	33 (1.3)	23 (0.91)	31 (1.22)	33 (1.3)	19 (0.75)	19 (0.75)	26.5 (1.04)	19 (0.75)	26.5 (1.04)	33 (1.3)	19 (0.75)	26.5 (1.04)
Total Number of Storage Spaces	1,620		1,470			1,350			714	654		388			388	

The configurations of the »twister« material dispensers differ in the number of coils. One level is always equipped with the same type of coils. There are seven levels in each cabinet.



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 in View: Thanks to optimal LED workstation lighting

Practical: Rear wall with grid for attaching manual tools and containers

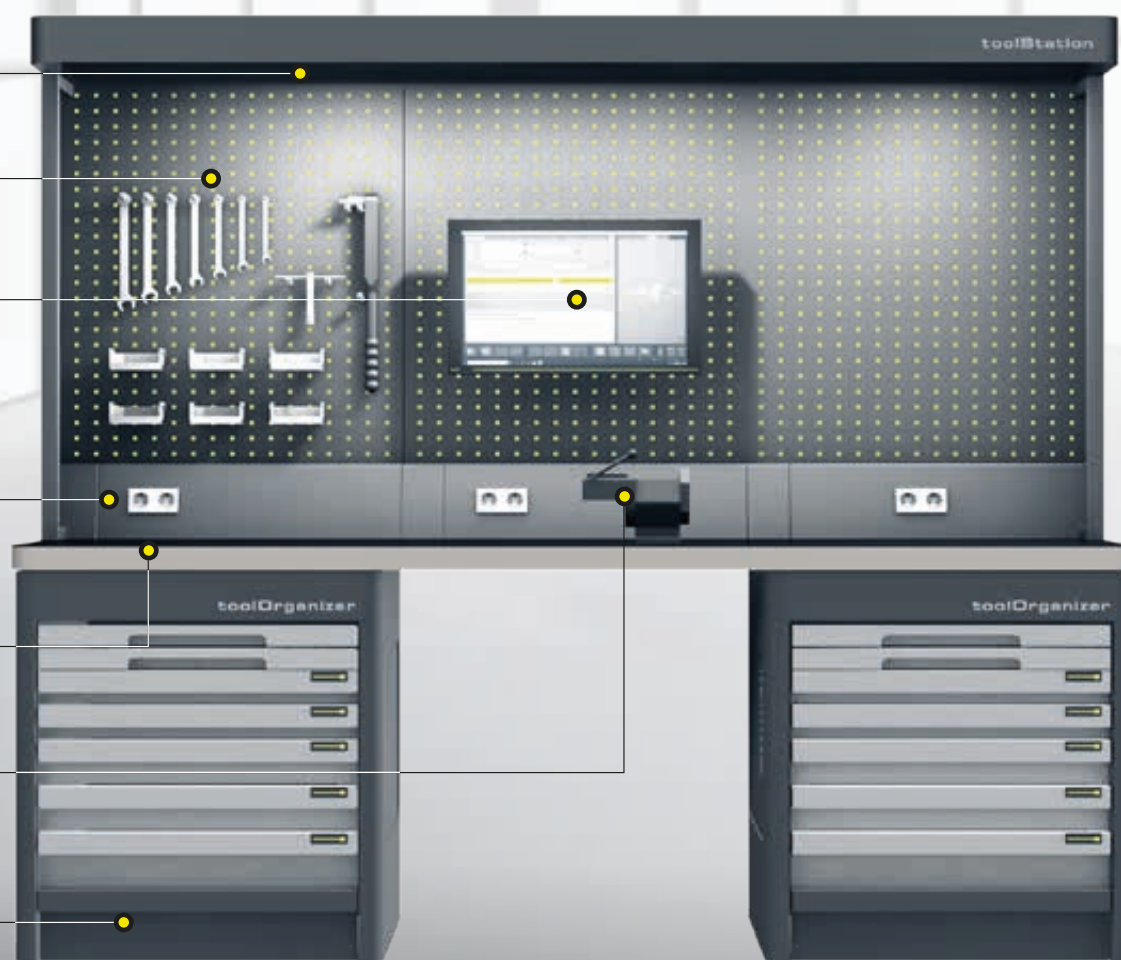
Suitable for Industry Use: Panel PC with 24" touch monitor and connection to TMS Tool Management Solutions*

Thought Out: Electrical and pneumatic connections and light switches

Rugged: Worktop for tool assembly

Secure: Mounting device for horizontal or vertical tool assembly*

Variable and Sturdy: With feet on the base cabinet or the »toolOrganizer 600«, the »toolStation« is solid as a rock



Everything Within Reach

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



Convenient Tool Assembly

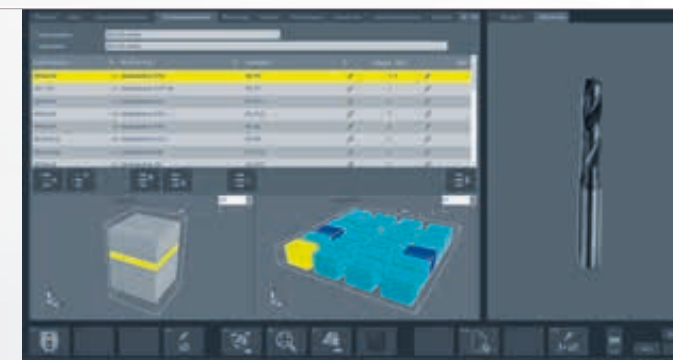
The permanently installed mounting device makes safe horizontal and vertical tool assembly easier. Along with optimal lighting, a comfortable working height and connections and tools always within reach, the »toolStation« offers everything workers need for comfortable, precise work.



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
(can be placed on the right or left side) and 2 »toolOrganizer 600«



»toolStation« with rear wall, monitor bracket
and one »toolOrganizer 600« (»toolOrganizer« 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
and one »toolOrganizer 600«

Width 1,630 mm (64.17")



»toolStation« with rear wall
and one »toolOrganizer 600«



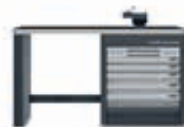
»toolStation« without rear wall,
with power strip and
with one »toolOrganizer 600«



»toolStation« without rear wall,
with monitor bracket, power strip
and two »toolOrganizer 600«



»toolStation« without rear wall,
with monitor bracket, power strip
and two »toolOrganizer 600«



»toolStation« without rear wall,
without power strip and
one »toolOrganizer 600«



»toolStation« without rear wall,
without power strip and
with one »toolOrganizer 600«



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



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

Note: »toolOrganizer 600« configuration on page 12

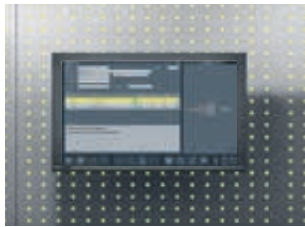
02.

Control

Panel PC
for attachment to the
work bench table



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

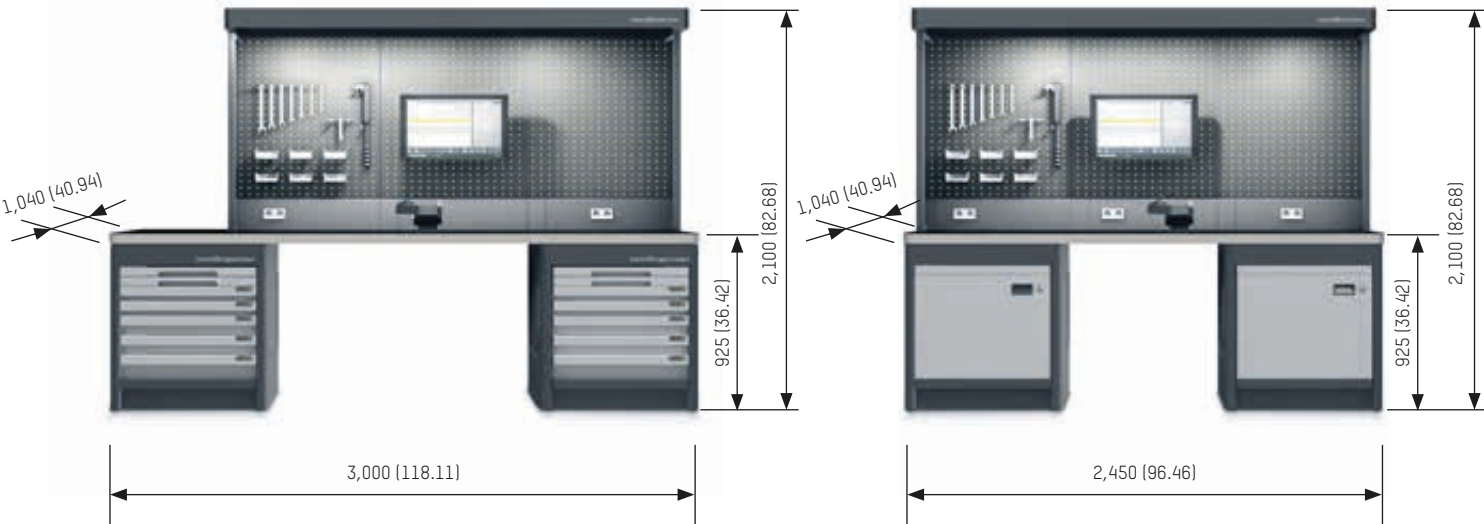


TMS Tool Management Solutions workstation



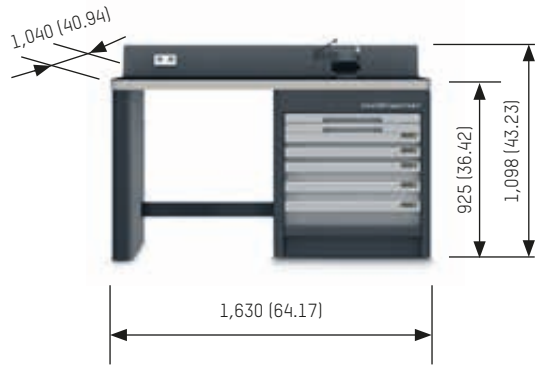
Technical Data

»toolStation«

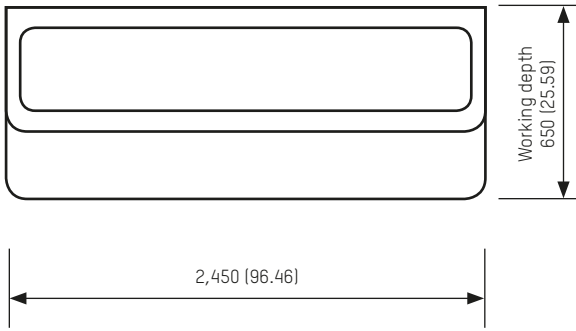


»toolStation« large, with rear wall and 2 »toolOrganizer«
Total height including rear wall 2,100 mm (82.68")
Worktop height 925 mm (36.42")
Workbench width 3,000 mm (118.11")
Workbench depth 1,040 mm (40.94")

»toolStation« large, with rear wall and 2 base cabinets
Total height including rear wall 2,100 mm (82.68")
Worktop height 925 mm (36.42")
Workbench width 2,450 mm (96.46")
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

Options

Large »toolStation« Specifications

Total height including rear wall
2,100 mm (82.68")

Worktop height
925 mm (36.42")

Workbench width
2,450 mm (96.46"), 3,000 mm (118.11")

Workbench depth
1,040 mm (40.94")

Small »toolStation« Specifications, without rear wall

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")

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.



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

1

Panel PC incl. keyboard and mouse storage board for attachment to the rear wall for using TMS Tool Management Solutions directly at the workplace



3

»toolOrganizer 600« for storing single components within reach



5

Assembly hook set for hanging assembly tools on the rear wall



7

Energy duct with pneumatic and electronic connections



2

Panel PC incl. keyboard and mouse storage board for using TMS Tool Management Solutions on the worktop



4

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



6

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



8

Plexiglas panel for a quick, easy to clean worktop

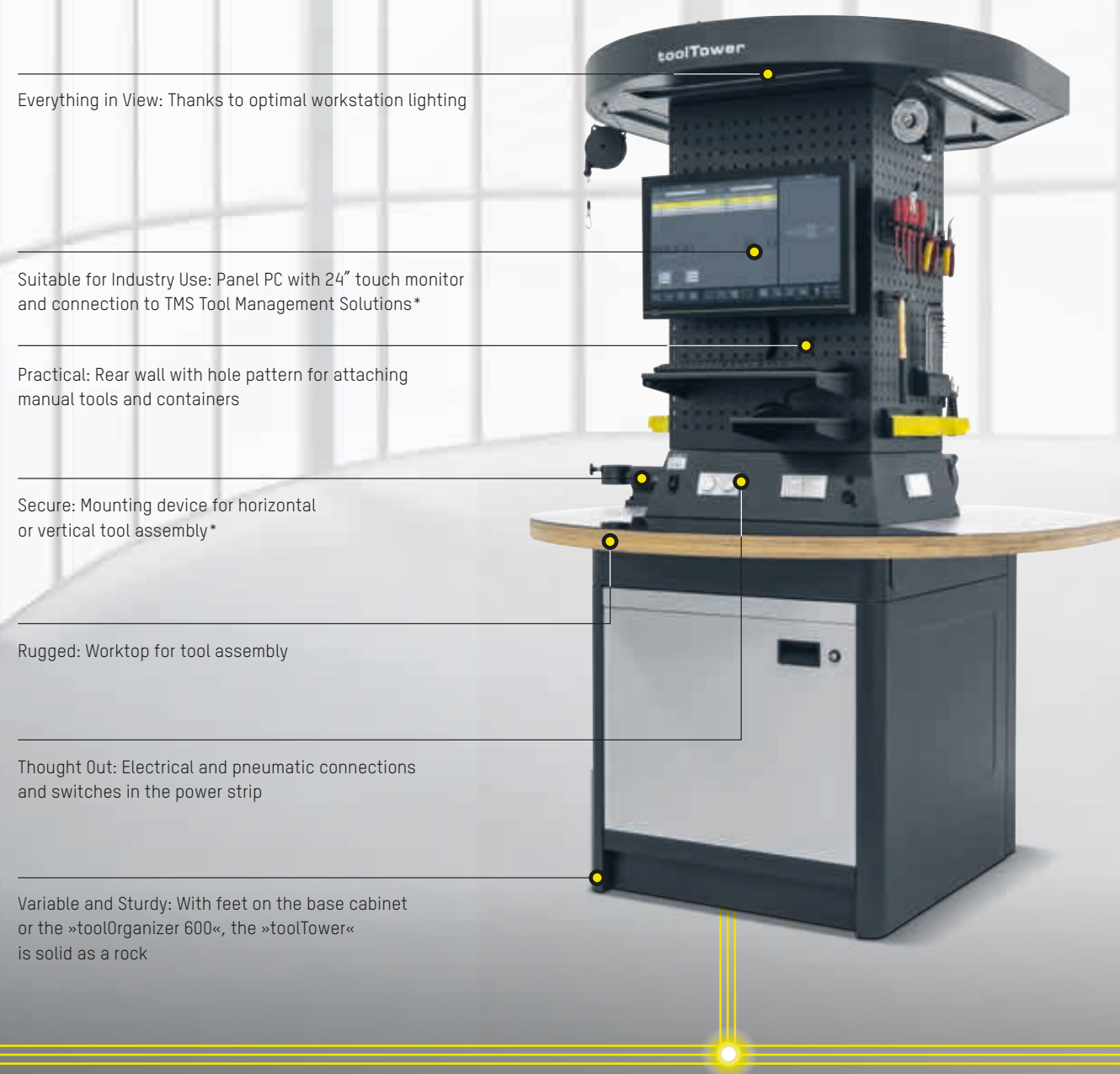


toolTower

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 in View: Thanks to optimal workstation lighting

Suitable for Industry Use: Panel PC with 24" touch monitor and connection to TMS Tool Management Solutions*

Practical: Rear wall with hole pattern for attaching manual tools and containers

Secure: Mounting device for horizontal or vertical tool assembly*

Rugged: Worktop for tool assembly

Thought Out: Electrical and pneumatic connections and switches in the power strip

Variable and Sturdy: With feet on the base cabinet or the »toolOrganizer 600«, the »toolTower« is solid as a rock

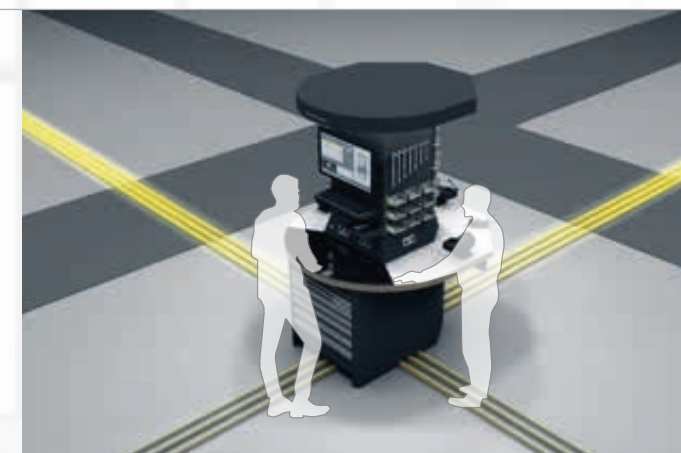
Everything Within Reach

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.



Choose Your »toolTower«

»toolTower« Configuration

01.

Design

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.

»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



03.

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")



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

04.

Drawer Divisions

4 compartments



8 compartments



12 compartments



16 compartments



24 compartments

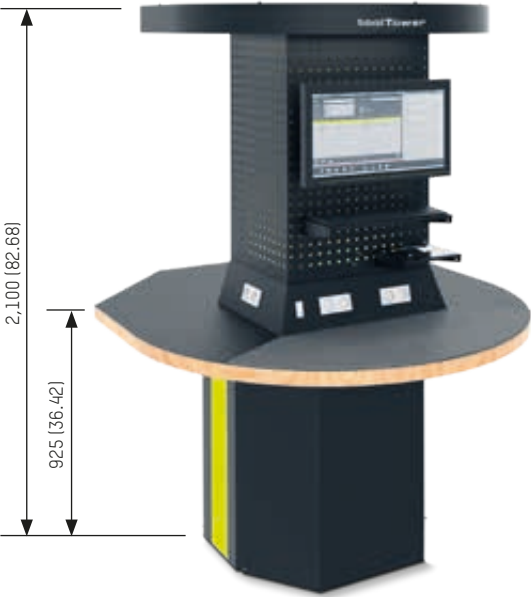


48 compartments only with 75 mm (2.95") and 100 mm (3.94") drawer heights



Technical Data

»toolTower«



»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 (")

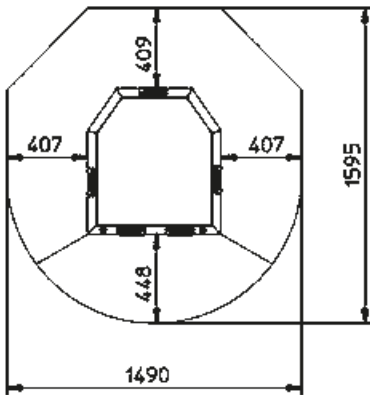
Dividing grid
37 mm (1.46")

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



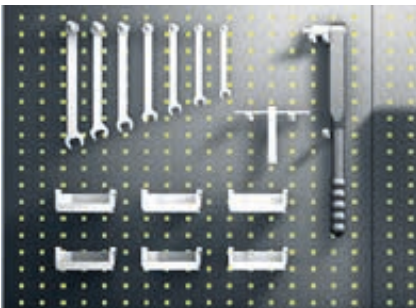
3

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



Tool Cart

For Convenient Tool Transportation

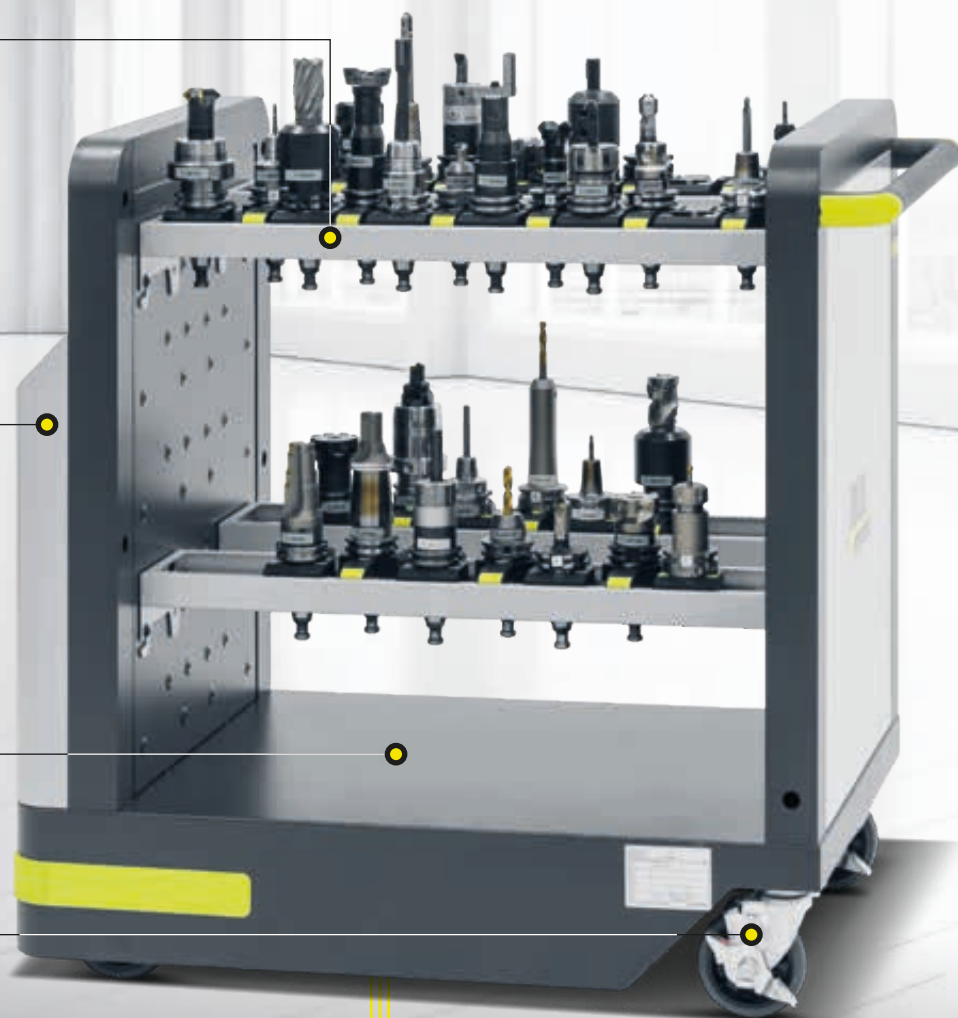
Always ready for use: With ZOLLER tool carts, you can stay mobile in production, transporting tools, attachment holders and adapters comfortably and safely at all times.

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



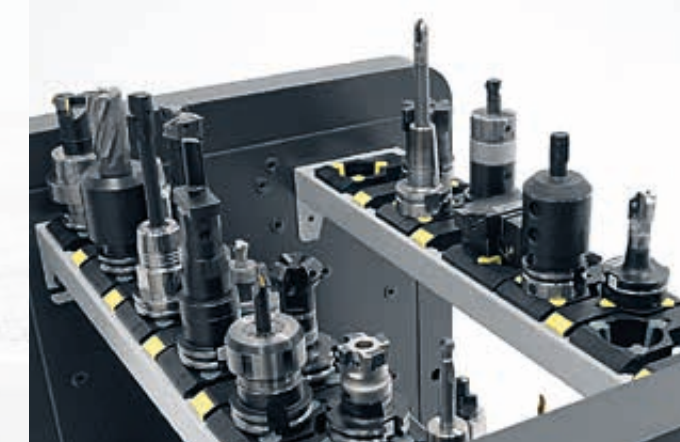
Handles a Full 450 kg (992 lbs)

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.



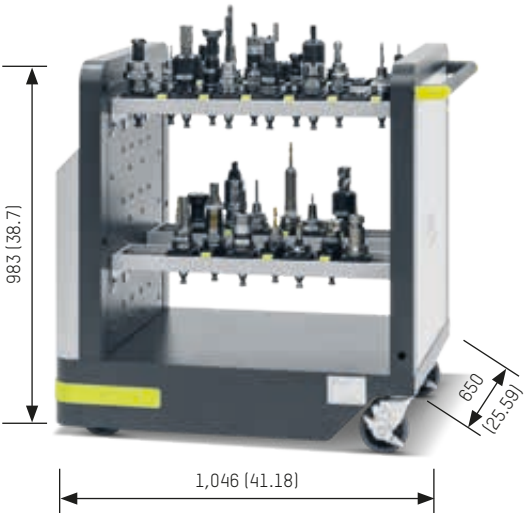
Flexible Use

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



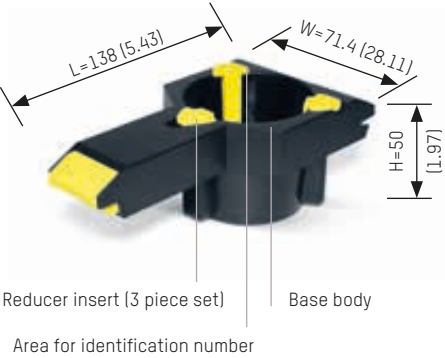
Tool Cart Specifications

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

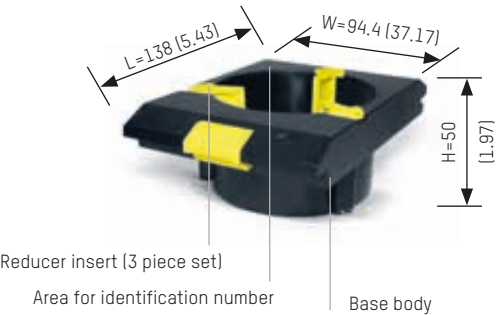
Exchangeable frame length
730 mm (28.74")

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



Tool insert L



Tool Inserts		Accessories	Size		Width in mm (")	Max. Number per Frame
L	S		S	L		
		Tool insert SK 30	●		72 (2.83)	13
		Tool insert SK 40				
		Tool insert SK 50			95 (3.74)	7
		Tool insert HSK 25, 32	●		72 (2.83)	13
		Tool insert HSK 40				
		Tool insert HSK 50				
		Tool insert HSK 63	●	●	72 (2.83) or 95 (3.74)	13 or 7
		Tool insert HSK 80		●	95 (3.74)	7
		Tool insert HSK 100				
		Tool insert VDI 30	●		72 (2.83)	13
		Tool insert VDI 40				
		Tool insert Capto C4	●		72 (2.83)	13
		Tool insert Capto C5				
		Tool insert Capto C6				
		Tool insert (blank) B58			85 (3.35)	7
		Tool insert (blank) B75			75 (2.95)	7
		Tool insert (blank) B120			120 (4.72)	7
		Insert D 78 VSH size 1			95 (3.74)	7
		Insert D 92 VSH size 2/Adapter GA			130 (5.12)	6
		Wooden insert (blank)			328 (12.91)	2
		D 42 14 Drill holes			328 (12.91)	2
ZOLLER Standard Tool Carts each contains 5 tool frames for holding the tool inserts		Accessories			Number (pieces)	
		ZOLLER tool cart Standard SK 40			60	
		ZOLLER tool cart Standard SK 50			35	
		ZOLLER tool cart Standard HSK 63			60	
		ZOLLER tool cart Standard HSK 63 L			35	
		ZOLLER tool cart Standard Capto C6			60	

”

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

Significant Savings

“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.”

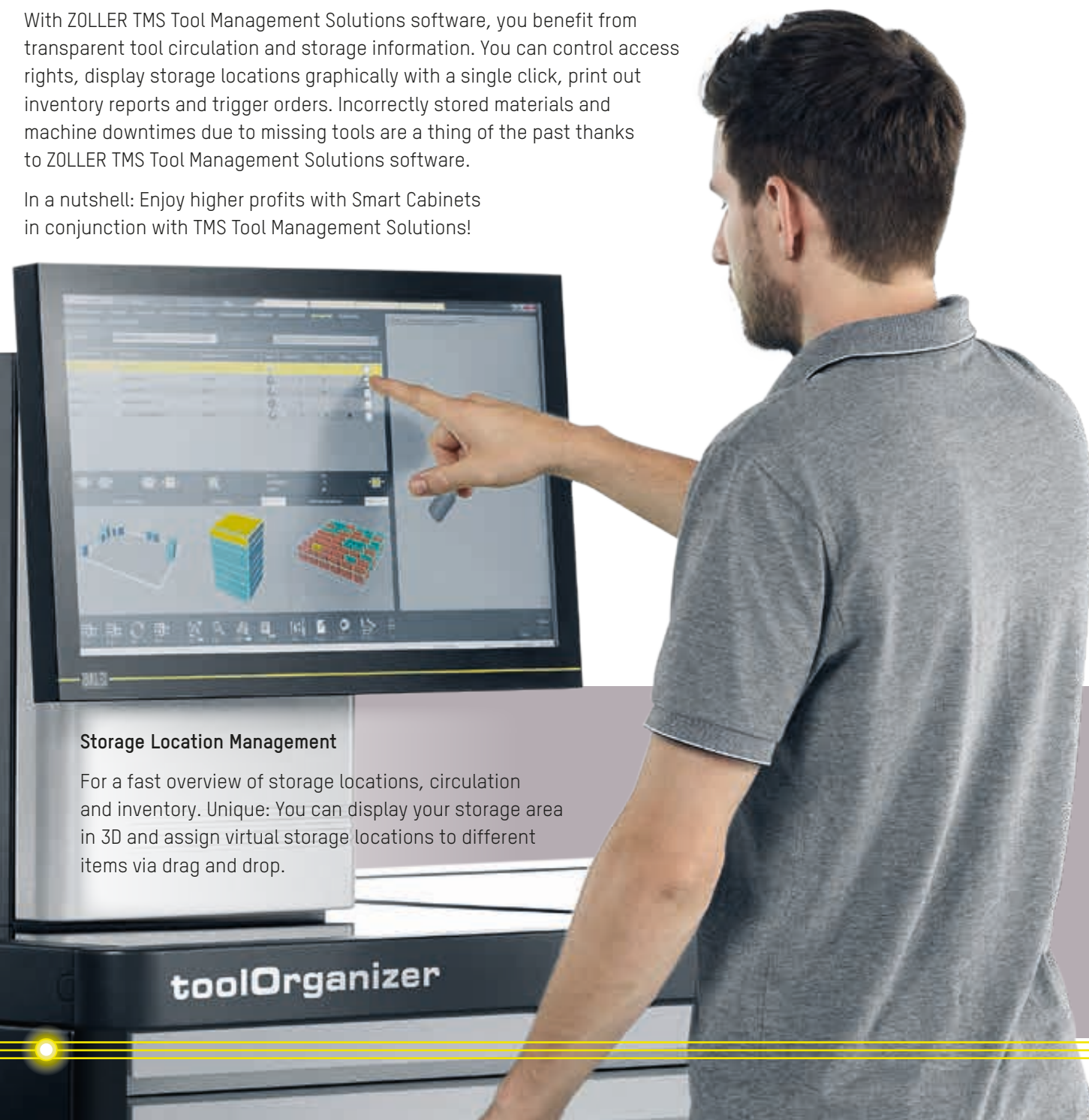


Control Your Tool Storage

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!



Storage Location Management

For a fast overview of storage locations, circulation and inventory. Unique: You can display your storage area in 3D and assign virtual storage locations to different items via drag and drop.

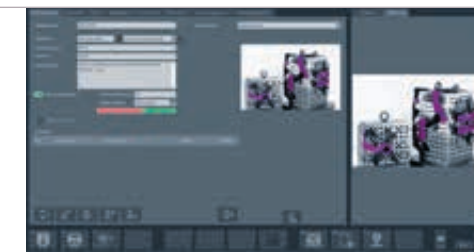
»quickPick« Warehouse Management

Ideal for quick check in and check out of items. With the intentionally minimal software interface, you achieve your goal in a few simple clicks.



Equipment Management

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



Measuring Material Management

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



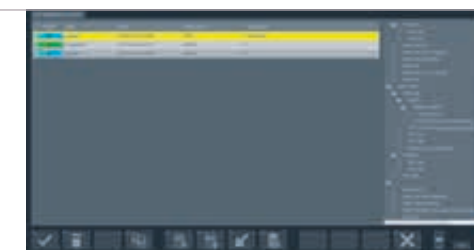
Article Statistics

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

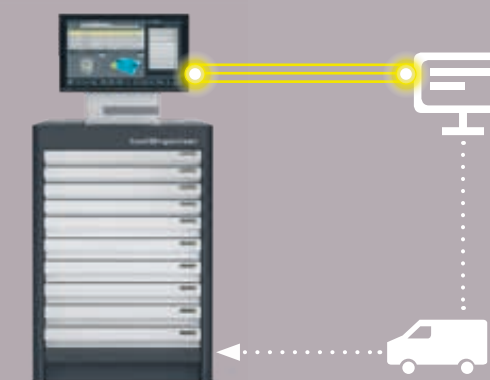
NC programs offer simple organization: Import, export and edit – quickly and easily. Versions can be compared and the desired version can be activated; programming information is also available.



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.



First-Class Right down the Line

ZOLLER Services Across the Entire Product Life Cycle

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

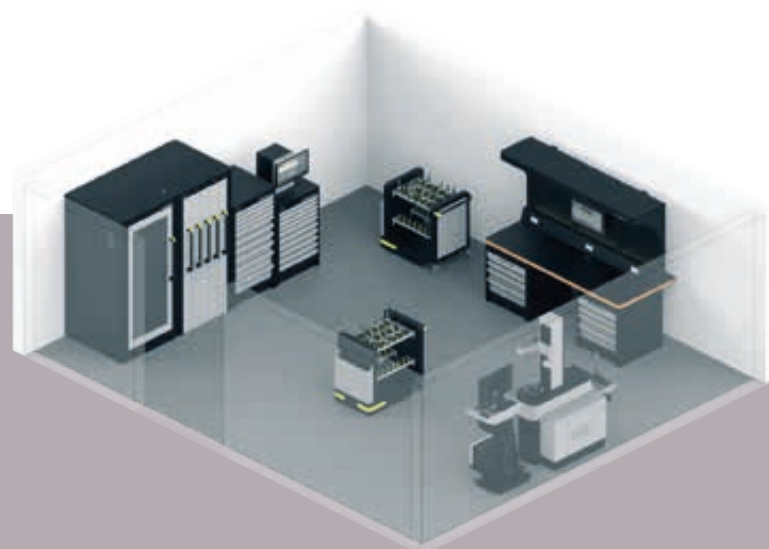
Have you made your decision? Then nothing should stand in the way of your new storage solution. That's why we get your Smart Cabinets delivered as quickly as possible in a secure and direct way.

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.

Always Close By

ZOLLER Worldwide

- Parent company
- Headquarters
- Branch office
- Representative

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.

GERMANY

HEADQUARTERS
E. ZOLLER GmbH & Co. KG
Presetting and measuring machines
Gottlieb-Daimler-Straße 19
D-74385 Pleidelsheim
Tel: +49 7144 8970-0
Fax: +49 7144 8060-807
post@zoller.info | www.zoller.info

ZOLLER NORTH
E. ZOLLER GmbH & Co. KG
Service and Sales Center
D-30179 Hanover

ZOLLER EAST
E. ZOLLER GmbH & Co. KG
Service and Sales Center
D-04158 Leipzig

ZOLLER WEST
E. ZOLLER GmbH & Co. KG
Service and Sales Center
D-40764 Langenfeld

NORTH AMERICA

NORTH AMERICAN HEADQUARTERS
ZOLLER Inc.
North America Headquarter
USA-48108 Ann Arbor, MI
sales@zoller-usa.com | www.zoller-usa.com

WEST COAST OFFICE
ZOLLER Inc. Pacific
USA-90503 Torrance, CA
sales@zoller-usa.com | www.zoller-usa.com

CANADA
ZOLLER Canada Inc.
CAN-L5N 8G4 Mississauga, ON
sales@zoller-usa.com | www.zoller.info

MEXICO
ZOLLER Tecnologías S de R.L. de C.V.
MEX-C.P. 76030 Col. San Angel Querétaro
Estado de México
sales@zoller-usa.com | www.zoller.info

EUROPE

AUSTRIA
ZOLLER Austria GmbH
A-4910 Ried im Innkreis
office@zoller-a.at | www.zoller-a.at

SWITZERLAND
ZOLLER Schweiz GmbH
CH-9016 St. Gallen
info@zoller-ch.com | www.zoller-ch.com

FRANCE
ZOLLER France
F-67380 Lingolsheim
info@zoller.fr | www.zoller.fr

SPAIN + PORTUGAL
ZOLLER Ibérica S.L.
E-08006 Barcelona
correo@zoller.info | www.zoller.info

TURKEY
ZOLLER Ölçüm Teknolojileri San.ve Tic. Ltd. Sti.
TR-16120 Nilüfer / Bursa
info@zoller-tr.com | www.zoller-tr.com

RUSSIA
LLC ZOLLER Russia
RU-111123 Moscow, Russia
info@zoller-ru.com | www.zoller-ru.com

ISRAEL
ZOLLER Israel
Haifa, Israel
info@zoller-il.com | www.zoller.info

ASIA

INDIA
ZOLLER India Private Ltd.
IN-Pune 411019 Maharashtra, India
info@zoller-in.com | www.zoller-in.com

CHINA
ZOLLER Shanghai, Ltd.
Asia Pacific Regional Headquarter
RC-201108 Shanghai
info@zoller-cn.com | www.zoller-cn.com

ZOLLER Asia Pacific, Ltd.
RC-Kowloon, Hongkong
info@zoller-cn.com | www.zoller-cn.com

JAPAN
ZOLLER Japan K. K.
JP-564-0033 Osaka, Japan
info@zoller-jp.com | www.zoller-jp.com

THAILAND
ZOLLER (Thailand) Co. Ltd.
Amphur Muang Chonburi, TH-20000 Thailand
info@zoller-in.com | www.zoller-th.com

INDONESIA
ZOLLER Singapore Pte. Ltd
Indonesia Representative Office
ID-Serpong – Tangerang 15325, Indonesia
info@zoller-in.com | www.zoller-in.com

MALAYSIA
ZOLLER MALAYSIA SDN. BHD.
Malaysia Representative Office
MY-Petaling Jaya | Selangor Darul Ehsan, Malaysia
lau@zoller-my.com | www.zoller-in.com

VIETNAM
ZOLLER Vietnam
VNM-Ho Chi Minh City, Vietnam
info@zoller-in.com | www.zoller-in.com

KOREA
ZOLLER Korea Co., Ltd.
KOR-15119 - Siheung-Si, Gyeonggi-Do, Südkorea
info@zoller-kr.com | www.zoller-kr.com

REPRESENTATIVES

Belgium, Bulgaria, Denmark, Estonia, Finland, Great Britain, Ireland, Italy, Croatia, Latvia, Lithuania, The Netherlands, Norway, Poland, Romania, Sweden, Slovakia, Slovenia, South Tyrol, the Czech Republic, Ukraine, Hungary, Belarus, Argentina, Brazil, Chile, Colombia, Peru, South Africa, Australia, Pakistan, Taiwan, United Arab Emirates



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.

Presetting & Measuring

Tool Management

Inspection & Measuring

Automation

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

North American Headquarters

ZOLLER Inc.
3900 Research Park Drive
USA-48108 Ann Arbor, MI
Phone: +1 734 332 4851
sales@zoller-usa.com | www.zoller-usa.com

West Coast Office

ZOLLER Inc. Pacific
3882 Del Amo Blvd., Suite #603
USA-90503 Torrance, CA
Phone: +1 424 240 180 | Fax: +1 424 247 0184
sales@zoller-usa.com

Canadian Office

ZOLLER Canada Inc.
2820 Argentinia Road, Unit-5
Mississauga - L5N 8G4, Ontario, Canada
Phone: +1 905-712-0100
sales@zoller-usa.com

Mexican Office

ZOLLER Tecnologías S de R.L. de C.V.
Av. Tecnológico 118 Int. 102
Col. San Angel Querétaro
Qro. C.P. 76030, Mexico
Tel: +52 5558174654 | Fax: +52 5558174565
sales@zoller-usa.com

ZOLLER
expect great measures