



## **TSC Tool STOCK Center**

**Intelligent  
Tool Depot Systems**

Chip – by Chip – to the Top

# TSC - Tool STOCK Center

**Intelligent tool management - 24 h / 7 days!**

Now you can concentrate on your own core activities, Stock does not only supply high-tech cutting tools but also offers intelligent systems to store, manage and distribute tools:

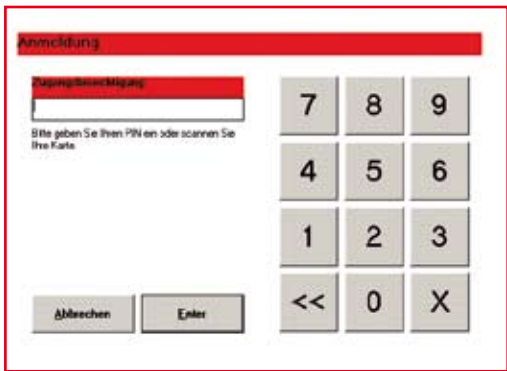
- TSC mini - Tool STOCK Center mini
- TSC maxi - Tool STOCK Center maxi



# The TSC Software

Both Tool STOCK Center systems use the TSC Software, offering the following advantages:

- continuous monitoring of tool consumption (recording all tool movement data)
- allocation of tooling costs to cost groups (i.e. cost centers, components)
- ABC-analysis, i.e. cost centres/cost units, tools
- interfaces to external WWS/ERP-systems
- online connection to suppliers via the Internet
- return transfer of tools
- administration of reworked tools (dispensing of reworked tool prior to new tool)
- open system (can include several suppliers)
- administration of tools not in the machine
- re-grind administration
- measuring gauge and instrument administration, i.e. calibration
- personnel awareness regarding tool cost (i.e. by displaying tool cost)
- PC, touch-screen and barcode-scanner are integrated in the TSC Tool STOCK Centers



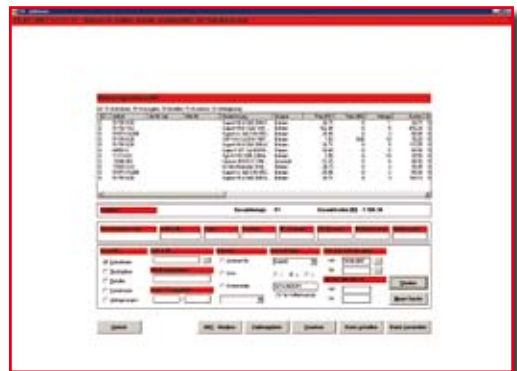
Secure logging on by PIN



Dispensed tools can be allocated to different cost groups



Tool selection according to different criteria, i. e. article no., description or size



The Stock TSC software provides comprehensive reporting



The setup menu enables the individual adaption to customer requirements



ABC-analysis for a detailed cost distribution

# TSC mini - Tool STOCK Center mini

The basic system is the Tool STOCK Center mini. It offers the following facilities:

- electronically locking tool dispensing system made of robust sheet steel
- drawers fully extractable (max. load per drawer 180 kg)
- dividers for individual drawer compartments
- option of lockable storage compartments for individual drawers
- Stock TSC software
- operation via touch-screen monitor and barcode-scanner
- online connection to one or several suppliers via the Internet
- interfaces to external WWS/ERP-systems
- PC with MS Windows XP operating system
- system expandable via additional modules

The TSC mini offers the following specific advantages:

- transparency regarding tool consumption, cost allocation and stock control
- 24 hour-controlled tool availability
- prevention of production stoppages through monitoring minimum stock levels
- reduction in stocking and administration costs
- personnel awareness regarding tool costs (i.e. by displaying tool costs)
- open system (can include several suppliers)
- data can be applied in other ERP/PPS systems



Partition/compartment examples

Lockable compartments



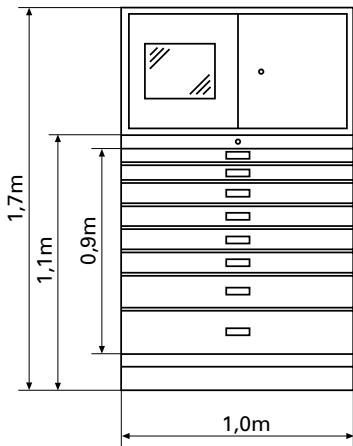
Non-slip mat



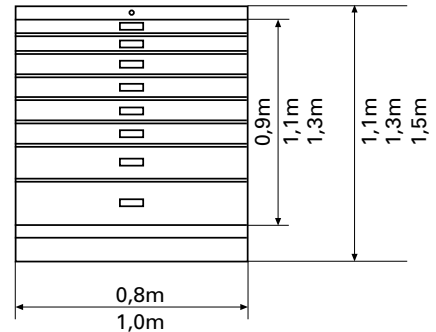
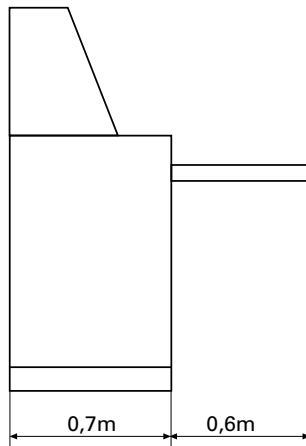
Channel sets



# Options and dimensions



**Base unit TSC mini**  
 Width:  
 1.0 m  
 Height:  
 1.1 m + 0.6 m (control unit)



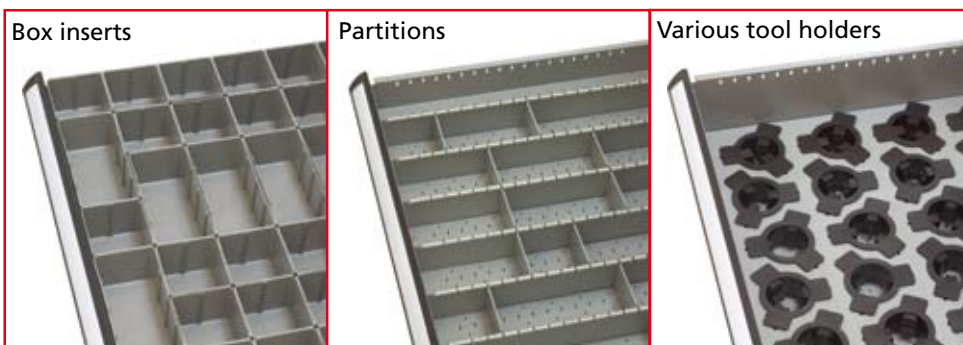
**Additional unit TSC mini**  
 Width:  
 0.8 m / 1.0 m  
 Height:  
 1.1 m / 1.3 m / 1.5 m

- Drawer height:  
 75 mm / 100 mm / 125 mm / 150 mm / 200 mm / 250 mm / 300 mm
- Drawer and compartment accessories:
  - non-slip mats
  - channel sets
  - box inserts
  - partitions
  - various tool holding systems
  - electronically locking storage compartments, available in 75 or 100 mm height with the following no. of compartments and dimensions:

Comp.	Dimensions
24	129 mm x 112 mm
18	129 mm x 162 mm
15	155 mm x 162 mm
12	129 mm x 262 mm
10	155 mm x 262 mm

○ 19	○ 20	○ 21	○ 22	○ 23	○ 24	
○ 13	○ 14	○ 15	○ 16	○ 17	○ 18	
○ 7	○ 8	○ 9	○ 10	○ 11	○ 12	
○ 1	○ 2	○ 3	○ 4	○ 5	○ 6	○

- Fork lift suitable understructure and detachable front panel
- Operating voltage: 230 V / 50 Hz



# TSC maxi - Tool STOCK Center maxi

## Modular design

The heart of the Tool STOCK Center maxi is the base unit, incorporating the control electronics and the operating program. The base unit also includes a function section with drawers and spirals, their height and size as well as the compartments can be individually adjusted to customer requirements.

The base unit can be extended and modified with a choice of drawers and spiral modules. Any combination is possible and can naturally also be designed to customer specifications.

When configuring the drawer module, the height as well as the compartment set-up of each drawer can be chosen individually, always providing optimal storage space as well as an ideal storage system for the smallest to the largest tool.

The spiral units are especially suited for storing and dispensing lightweight tools, such as indexable inserts with compact dimensions required in large quantities.

The spiral units can either be restocked via a cabinet door providing access to the entire spiral system or via drawers enabling access to the individual sections of the spiral system (multi-supplier capability).

Thanks to its adaptability to the customer's individual stock requirements, the TSC maxi not only provides a secure storage area for tools, other production items can naturally also be stored securely in the machine.



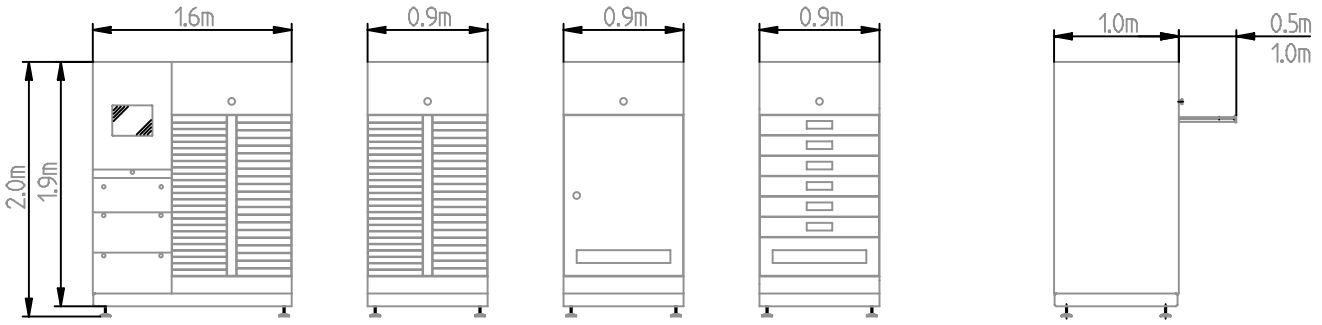
The base unit of the TSC maxi: It includes the control element with PC and touchscreen, manually lockable compartments for the keyboard and, for example, additional storage, scanner and small components as well as a function section with individually adjustable drawers/spiral units.

Spiral unit extension module: Model with large cabinet door for restocking. 60 or 70 spiral option.

Spiral unit extension module: Model with 6 or 7 spiral drawers for restocking. 60 or 70 spiral option.

Additional extension modules: The Tool STOCK Center maxi can be extended as required by simply adding drawers and spiral modules.

# Options and dimensions



- Standard dimensions:  
 Width: 200 mm  
 Depth: 461 mm  
 Height: 40 mm / 50 mm / 60 mm / 80 mm / 150 mm / 200 mm / 242 mm
- Spiral units:  
 unit with up to 60 spirals  
 unit with up to 70 spirals  
 spiral layout: 12 fold / 15 fold / 18 fold / 24 fold / 30 fold
- Operating voltage: 230 V / 50 Hz

For further information regarding our Tool STOCK Center mini and maxi or our tool management concepts please do not hesitate to contact us.



**TSC maxi can be adapted to your individual tool and storage requirements. Its modular structure with different system units and different possibilities to combine these units offers nearby endless variations.**



## **Our Program**

### **Products**

- Twist Drills
- Taps
- Milling Cutters
- Reamers
- Countersinks & -bores
- Special HSS and Carbide Tools (to your specifications, or our solutions)

### **Services**

- Regrinding
- Special grinds
- Recoating
- Paid labour coating
- Coating removal
- Technical assistance
- Intelligent Tool Depot Systems

### **R. Stock AG**

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