



# **GUHRING**



## **Guhring's TM vending machine**

- **fully automated tool administration**
- **24 hour monitoring of tool availability**
- **continuous reporting of all movement data**
- **automatic order processing**

# Guhring's TM vending machine

## Tool management at its best

The Guhring TM vending machine is the centre point of your tool management. Thanks to the high quality design and the innovative software it provides 24 hour tool availability. In addition, it offers comprehensive evaluation possibilities regarding tool requirements.

### Advantages:

- 24 hour controlled tool availability
- avoidance of production stoppages
- reduction in storage and administration costs
- continuous reporting of all tool movement data
- allocation of tool costs to the respective cost centres
- automatic order processing
- extendable modular draw and spiral system
- individual tool storage thanks to individual draw dimensions
- administration of re-worked tools
- interfaces to external PPS, ERP or WWS systems
- raising employee awareness regarding tool cost
- secure tool storage





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## **Guhring's TM vending machine The cost saving potential**

With the TM vending machine Guhring offers a flexible tool vending system, allowing the customer to concentrate on optimising the production and eliminating countless tool administration and storage tasks.

The TM vending machine provides numerous possibilities of reducing production costs. Subsequently, the vending machine is a financially viable investment, that will pay for itself within a short space of time. Guhring can provide a cost analysis tailor-made to your production on request. For further information please contact Guhring!

- reduction in ordering costs thanks to on-line connection
- reduction in personnel costs thanks to tool acquisition/administration
- reduction in tied-up capital/stock value thanks to optimised stock levels
- optimal tool availability

# Guhring's TM vending machine Intelligent and user friendly

The operation of the TM vending machine is simplicity itself thanks to the intelligent and user friendly software. Personnel select the required or restocked tool via a touch-screen-monitor or a barcode scanner.

Thanks to the Internet connection, the tools are re-ordered automatically online from the respective supplier when the specific minimum stock level is reached.

In addition, the software reports all tool movement data in detail and offers comprehensive evaluation possibilities regarding different criterias.

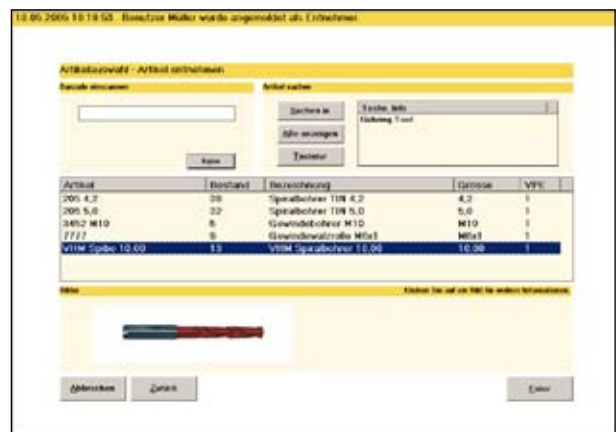
The vending machine offers excellent transparency regarding tool stock, tool consumption and tool cost allocation.



Secure registration of authorized personnel by entering PIN via touch-screen-monitor or barcode scanner.



Allocation of withdrawn tools to different cost centres.



When selecting the required tool, personnel can apply different criteria, e.g. Guhring no., description or dimensions.



Guhring's TM software provides detailed records.



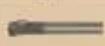





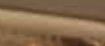













The system is set-up specifically to customer requirements.

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## TM WERKZEUGE



| GUHRING   |   |  |
|---|---|--|
| TOOL MANAGEMENT   |   |  |
| Bild  | Bestand   | Bezeichnung  |
|  |  | HM Senker 17,50mm TAIN für Schaffhubel vorne<br>Artikel: 380001            |
|  |  | HM best. Senker 24,00 mm<br>Artikel: 380002                                |
|  |  | HM best. Senker 8,00mm TAIN für Schaffhubel vorne<br>Artikel: 380003       |
|  |  | HM best. Senker 34,00mm TAIN für Schaffhubel vorne<br>Artikel: 380004      |
|  |  | HM best. Senker 30,00mm TAIN für Schaffhubel vorne<br>Artikel: 380005      |
|  |  | HM best. Senker 34,00mm TAIN für Schaffhubel vorne<br>Artikel: 380006      |
|  |  | HM best. T-Holzfürker 45,00mm TCH für Schaffhubel vorne<br>Artikel: 380007 |
|  |  | HM best. Kantenfräser 38,00mm TCH für Schaffhubel vorne<br>Artikel: 380008 |
|  |  | HM best. Stufenbohrer 34,00mm unbeschichtet<br>Artikel: 380009             |
|  |  | HM best. Senker 34,00mm TAIN für Schaffhubel vorne<br>Artikel: 380010      |



**The TM vending machine is adaptable to your specific tool and storage requirements. Thanks to its modular design with different system units and their individual construction it offers a near endless diversity of variation possibilities.**

## **Guhring TM vending machine Modular design**

The heart of Guhring's TM vending machine system is the base unit, incorporating the control electronics and the operating program. The base unit also includes a function section with draws 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 draw and spiral modules. Any combination is possible and can naturally also be designed to customer specifications.



The base unit of the TM vending machine:  
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 draws/spiral units.



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

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

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 draws enabling access to the individual sections of the spiral system (multi-supplier capability).



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

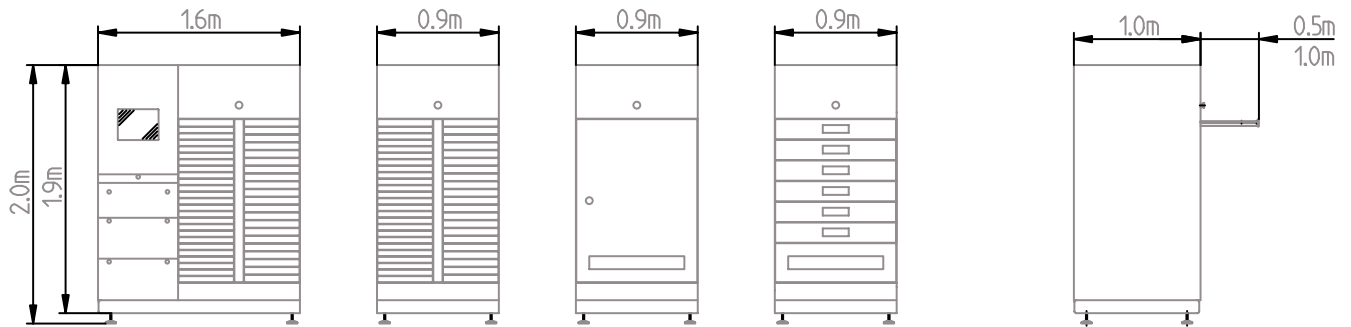
Spiral unit extension module:  
Model with 6 or 7 spiral draws for restocking.  
60 or 70 spiral option.

Additional extension modules:  
The TM vending system can be extended as required by simply adding draw and spiral modules.

# Guhring's TM vending machine

## Options and dimensions

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- 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 TM vending machine, our TM multi-vend machine or our Tool Management concepts, please contact our service division.

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