

GUHRING



Tool Management
Powered by
GUHRING

Flexible
Professional
Sustainable



INCREASED PERFORMANCE THANKS TO OPTIMISED ADMINISTRATION PROCESSES IN TOOL MANAGEMENT

THE GUHRING TM-SYSTEM

SYSTEM CONFIGURATION	FROM 3
PROGRAM	FROM 4
SOFTWARE	FROM 6

OUR CUSTOMERS

TM CUSTOMERS	FROM 8
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PRODUCT VARIATIONS

TM 326	FROM 14
TM 426	FROM 18
TM 526	FROM 22

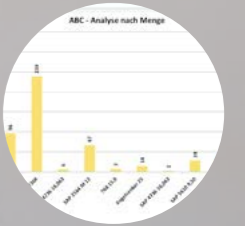
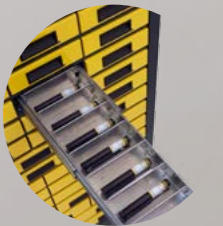
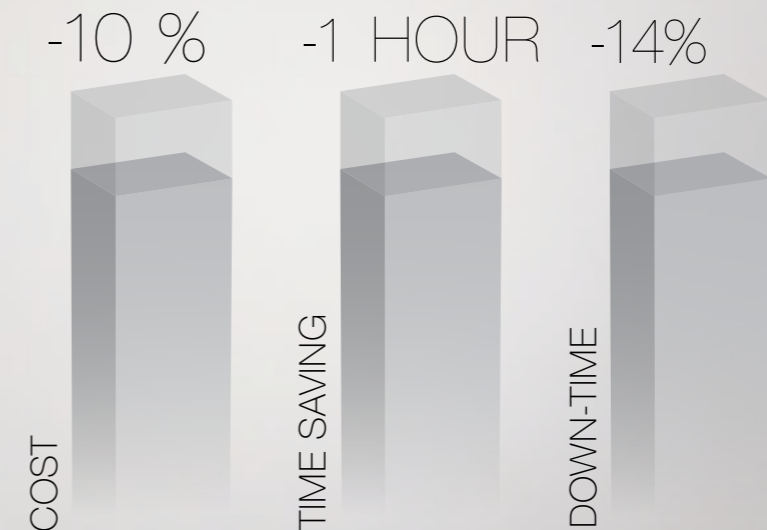
"Guhring tool dispensing systems increase economic efficiency and operating efficiency for any size of company."

Guhring's TM 326, TM 426 and TM 526 tool dispensing systems optimise your tool storage and your tool management. Gain more security for your tool stock and more transparency for your tool management!

OUR CUSTOMERS CONFIRM:

- ⇒ 10 % less tooling costs
- ⇒ 1 hour less administration effort per day
- ⇒ 14 % less machine down-time
- ⇒ 24 hours controlled tool availability

QUESTIONING GUHRING CUSTOMERS



INTELLIGENT SOLUTIONS OPTIMISE TM TOOL MANAGEMENT



BUILT-IN INTELLIGENCE – GUHRING'S GTMS TOOL MANAGEMENT SOFTWARE

All Guhring tool dispensing systems are controlled by the user-friendly GTMS. It allows the simple, quick and intuitive operation via the integrated touch-screen or an external reading device. At the same time it documents all relevant movement data of stock levels, triggers ordering suggestions and enables evaluations to different criteria.

The comprehensive and detailed reporting provides the best possible transparency of your tool stock and tool consumption and in addition enables an accurate cost allocation. Furthermore, interfaces enable the connection to various product management systems as well as an on-line link to customers via automated ordering processes.

CUSTOMER ADVANTAGES AT A GLANCE

- ⇒ re-traceability of processes
- ⇒ considerable time saving in tool management
- ⇒ accurate consumption analyses to different criteria for example tool consumption per component, per machine or per cost centre
- ⇒ central data base
- ⇒ nom./act. cost comparisons at the push of a button
- ⇒ form printing with barcode individually adapted to requirements
- ⇒ management of drawings
- ⇒ supplier evaluations
- ⇒ management of measuring equipment
- ⇒ individual solutions can be programmed according to customer requirements
- ⇒ linking to SAP, TDM, Coscom, BM, Baan, Infor, Abas etc. via corresponding interfaces possible on request



COMBINING GUHRING'S FLEXIBLE TOOL DISPENSING SYSTEMS

The three tool dispensing systems TM 326, TM 426 and TM 526 offer flexible possibilities for made-to-measure tool storage. According to demand and size of company there is a choice between different levels of automation. Individual dispensing possibilities such as drawers or spiral systems can be chosen.

Guhring's tool dispensing system is entirely adapted to the individual requirements of the customer and his business. This way the customer can utilise the possibilities! Numerous satisfied customers also confirm this. Detailed information regarding Guhring's individual tool dispensing systems can be found from page 14 onwards in this brochure

Scholz GmbH,
Neuhaus-Schierschnitz:
Finished in the company
colour, Guhring's
dispensing system reflects
the corporate design of the
Scholz GmbH.



Norbert Kempf CNC Technik GmbH, St. Ingbert-Rohrbach

"We have achieved a considerable proportion of cost savings by optimising our processes and also thanks to the availability of tools."

Norbert Kempf CNC Technik GmbH has specialised in the manufacture of demanding, multi-axis machined components and assemblies for the hydraulic, pneumatic, construction machine and automotive industries as well as for machine pallets especially for re-fitting flexible manufacturing systems and pallet stations. Thanks to the application of a Guhring TM tool dispensing system Kempf were able to reduce tooling costs by approximately 20 %. Managing director Stefan Kempf puts this down to process optimisations on the one hand and to the optimal tool availability on the other: "The TM tool dispensing system is absolutely economical. The saving of tooling costs and the process optimisations are a good balance to the investment costs."



ADVANTAGES

- ⇒ tooling costs reduced by 20 %
- ⇒ optimised processes in the area of tool storage and tool management



Robert Bosch GmbH, Gasoline Systems, Nuremberg plant

"We actively work with the tools instead of searching for them!"

At the Robert Bosch plant in Nuremberg, Guhring's TM tool dispensing systems for the manufacture of injection systems have optimised the tool management. Andreas Stocker, production planner for the tool supply at Robert Bosch, Gasoline Systems in Nuremberg, is thrilled with the unlimited tool availability during multi-shift operation, the optimal cost transparency and the comprehensive evaluation possibilities of Guhring's GTMS Tool Management Software. In addition, he values the customer friendly flexibility of Guhring that has enabled many individual hardware and software adaptations to the special processes in the large volume production at Bosch.

ADVANTAGES

- ⇒ unlimited tool availability
- ⇒ optimal cost transparency
- ⇒ comprehensive evaluation possibilities
- ⇒ individual adaption of hardware and software to customer requirements

SATISFIED CUSTOMERS – OUR BEST REFERENCE



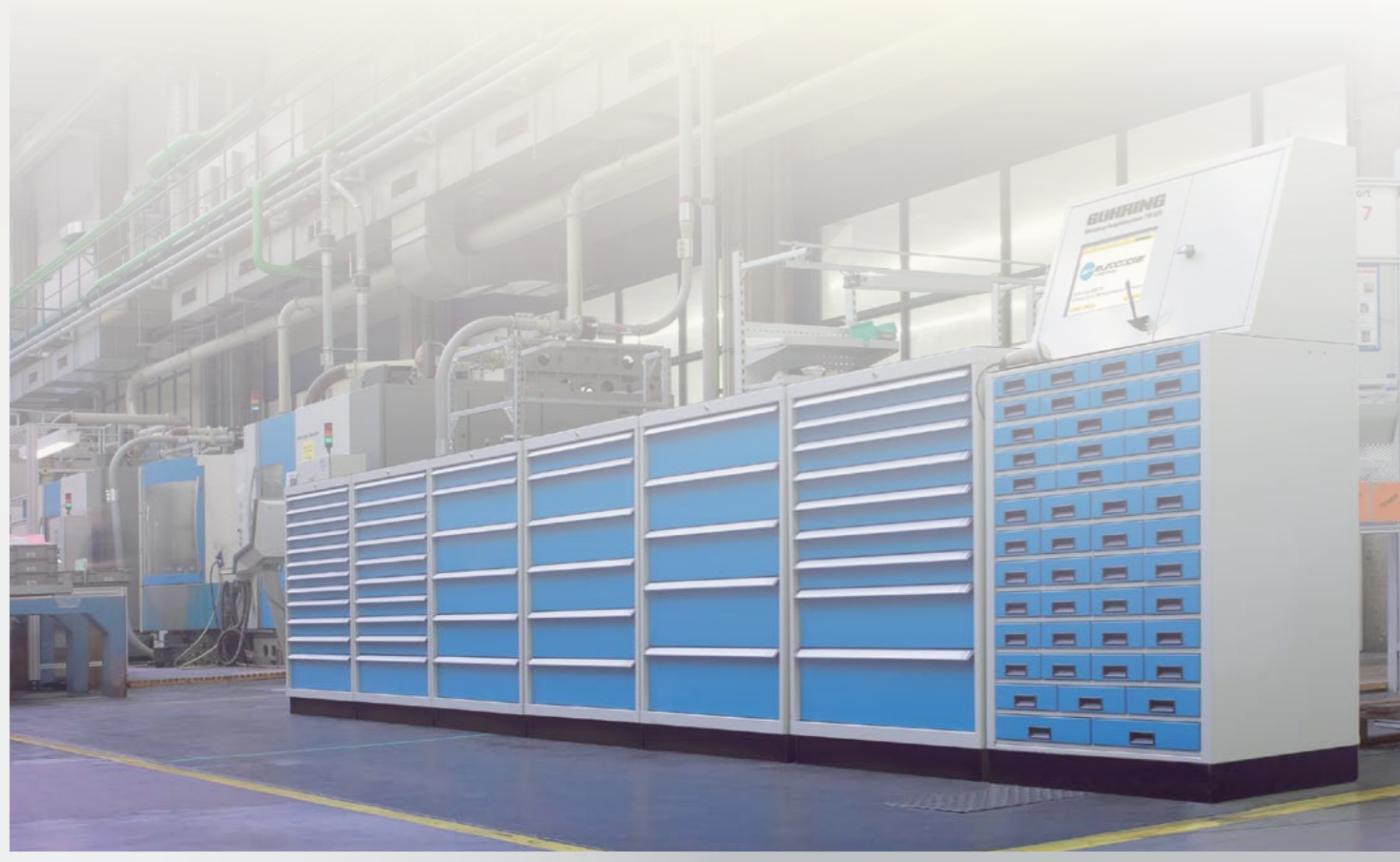
Airbus Helicopters, Donauwörth

“Tool selection errors are practically not possible the same as uncontrolled tool withdrawals.”

Accuracy, safety and reliability have absolute priority in the aviation industry – for the end product and also in manufacturing. To ensure the correct tools are applied Airbus Helicopters rely on Guhring's TM tool dispensing systems and particularly on Guhring's GTMS tool management software. They guarantee maximum security and reliability for tool applications and for stock control as well as re-ordering.

ADVANTAGES

- ⇒ no tool selection errors
- ⇒ no uncontrolled tool withdrawals
- ⇒ diverse combination possibilities of the various modules
- ⇒ perfect adaption of storage area to the stocked tools
- ⇒ optimal utilisation of the available space



CONTROLLED WITHDRAWAL FOR MORE TRANSPARENCY



Optimal storage,
for all types of consumable articles



SATISFIED CUSTOMERS – OUR BEST REFERENCE



Volkswagen AG, Kassel plant, drive forum

“Guhring’s TM tool dispensing systems are perfectly integrated into VW’s infrastructure.”

At the drive forum of Volkswagen’s Kassel plant three TM tool dispensing systems in different manufacturing areas ensure 100 % availability of machine replacement parts and consumables. Dirk Muster, drive forum tool management, especially appreciates the simple handling of the systems, that also control and manage paternosters and storage systems as well as the problem-free integration into the existing VW infrastructure.

ADVANTAGES

- ⇒ controlled management of the stored stocks
- ⇒ complete cost control
- ⇒ 100 % availability
- ⇒ simple handling
- ⇒ seamless integration into the existing VW infrastructure



TM 326
THE BASIC VERSION WITH AN INFINITE
AMOUNT OF POSSIBILITIES

TM 326

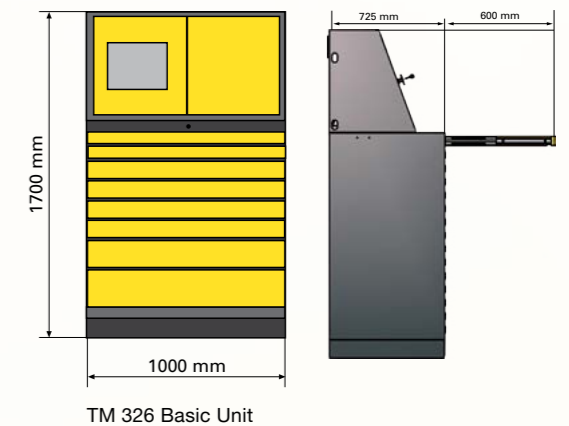


Electronically controlled,
modular and extendable

Design and dimensions

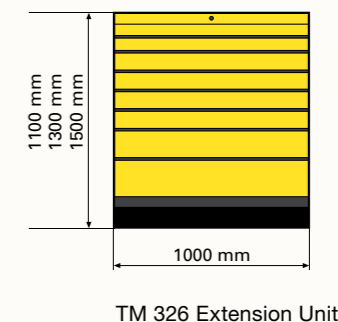
TM 326 BASIC UNIT EQUIPMENT:

- ⇒ electronically locking dispensing system in sturdy sheet steel construction
- ⇒ manually actuated drawers with full pull-out (load capacity per drawer max. 200 kg)
- ⇒ individual drawer heights and compartment options
- ⇒ individual compartment material for drawers
- ⇒ Guhring GTMS tool management software
- ⇒ PC with Microsoft operating system Windows 7
- ⇒ scanner
- ⇒ open, multi-supplier capable system
- ⇒ control function can also be utilised for further storage systems (TM 426, TM 526)
- ⇒ recommended minimum distance to wall 0.6 m



TM 326 EXTENSION UNIT EQUIPMENT:

- ⇒ electronically locking dispensing system in sturdy sheet steel construction
- ⇒ manually actuated drawers with full pull-out (load capacity per drawer max. 200 kg)
- ⇒ individual drawer heights
- ⇒ individual compartment material for drawers
- ⇒ available in three different heights
1100 mm / 1300 mm / 1500 mm



TM 326

THE BASIC VERSION WITH AN INFINITE AMOUNT OF POSSIBILITIES

AVAILABLE DRAWERS WITH ELECTRONICALLY LOCKING STORAGE AREAS

Heights: 75 / 100 / 150 / 200 / 250 mm

Fittings per drawer	Compartment inside dimensions width x depth	Partition fitting width x depth
48	109 mm x 75 mm	8 x 6
40	109 mm x 95 mm	8 x 5
32	109 mm x 125 mm	8 x 4
36	146 mm x 75 mm	6 x 6
24	146 mm x 125 mm	6 x 4
24	220 mm x 75 mm	4 x 6
18	146 mm x 175 mm	6 x 3
20	220 mm x 95 mm	4 x 5
16	220 mm x 125 mm	4 x 4
12	440 mm x 75 mm	2 x 6
12	225 mm x 200 mm	3 x 4
8	440 mm x 125 mm	2 x 4
4	440 mm x 259 mm	2 x 2



STANDARD DRAWERS

Internal dimension : 600 x 900 mm

Heights : 75 mm / 100 mm / 125 mm / 150 mm
200 mm / 250 mm / 300 mm / 400 mm

Maximum load per drawer: 200 kg

Partitioning material:

Anti-slip mat
Recess sets
Compartment inserts
Partitions
Various tool holder systems

DRAWERS WITH SPIRAL INSERT

Drawer height: 150 mm
Spiral insert for a maximum of 10 spirals

Additional requirement:

Withdrawal drawer with withdrawal shaft and 3 manually lockable compartments
Drawer height: 150 mm

Other:

Forklift base with removable front panel
Operating voltage: 230 V / 50 Hz
Special colours to RAL standard on request



TM 426
THE SPIRAL SYSTEM FOR
QUICK DISPENSING OF TOOLS

TM 426

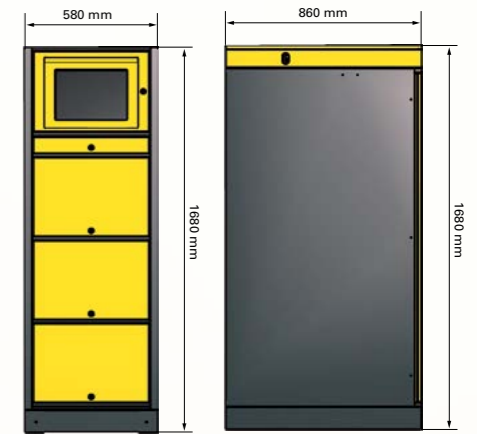


Large storage space,
clearly managed

Design and dimensions

TM 426 BASIC UNIT EQUIPMENT:

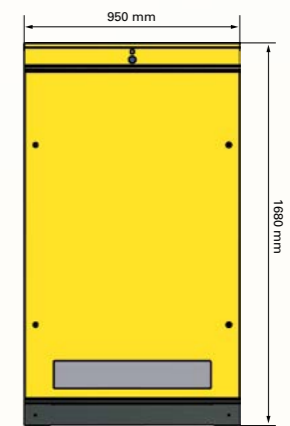
- ⇒ 3 manual storage drawers
- ⇒ Guhring GTMS tool management software
- ⇒ PC with Microsoft operating system Windows 7
- ⇒ scanner
- ⇒ open, multi-supplier capable system
- ⇒ control function can also be utilised for further storage systems (TM 326, TM 526)
- ⇒ recommended minimum distance to wall 0.6 m



TM 426 basic unit

TM 426 EXTENSION UNIT EQUIPMENT

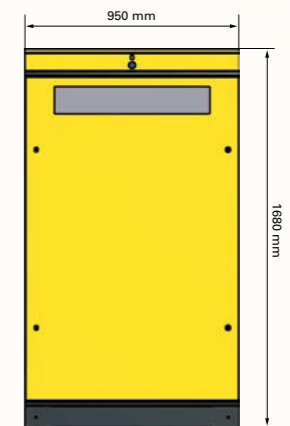
- ⇒ withdrawal to Fifo principle
- ⇒ 6 to 7 spiral levels with 10 spiral places each
- ⇒ max. loading capacity 90 kg per spiral level
- ⇒ goods dispensed below



TM 426 extension unit

TM 426 L EXTENSION UNIT EQUIPMENT

- ⇒ withdrawal to Fifo principle
- ⇒ 6 to 8 spiral levels with 10 spiral places each
- ⇒ max. loading capacity 90 kg per spiral level
- ⇒ goods dispensed above
- ⇒ integrated tool transport lift



TM 426 L extension unit
with lift

TM 426

THE SPIRAL SYSTEM FOR QUICK DISPENSING OF TOOLS



Guhring's TM 426 tool dispensing system is the perfect solution for storing a large number of compact tools in a very small space. As in the TM 426's spiral systems tools are stored in an extremely space-saving format and at the same time very securely. The dispensing of the tools is via a tool dispenser.

SPECIAL FEATURES

- ⇒ flexible composition of different spiral sizes (dependant on size of outer packaging)
- ⇒ secure storage and management of compact tools
- ⇒ expandable at any time with additional extension units
- ⇒ installation of lift systems for the collection of products possible (tool dispensed above)
- ⇒ control function can also be utilised for other storage systems (TM 326, TM 526)



SPIRAL OPTIONS:

9 / 13 / 15 / 21 / 24 / 31

PARTITIONING AVAILABLE FOR THE OPTIMAL MANAGING OF PRODUCTS ON REQUEST

OTHER:

Forklift base with removable front panel
Operating voltage: 230 V / 50 Hz
Special colours to RAL standard on request

TM 526 DRAWER SYSTEM WITH 100% DISPENSING CONTROL

TM 526

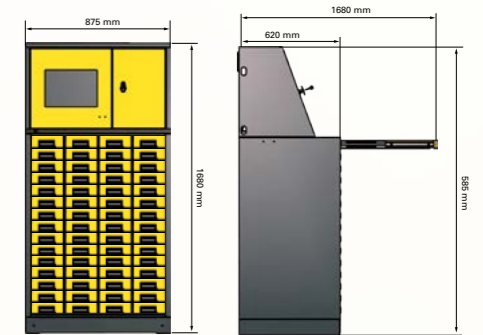
Access limited electronically,
transparent tool movement



Design and dimensions

TM 526 BASIC UNIT EQUIPMENT

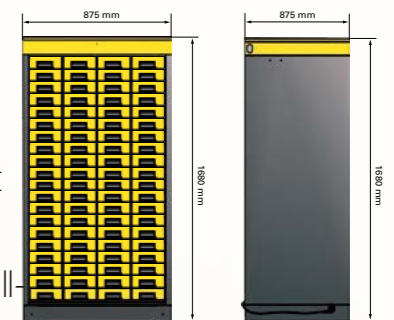
- ⇒ electronically locking dispensing system in sturdy sheet steel construction
- ⇒ manually actuated drawers with electronically limited pull-out (load capacity per drawer max. 20 kg)
- ⇒ individual drawer heights and widths
- ⇒ Guhring GTMS tool management software
- ⇒ PC with Microsoft operating system Windows 7
- ⇒ scanner
- ⇒ open, multi-supplier capable system
- ⇒ control function can also be utilised for further storage systems (TM 326, TM 426)
- ⇒ recommended minimum distance to wall 1.0 m



TM 526 basic unit

TM 526 EXTENSION UNIT EQUIPMENT

- ⇒ two different build heights available 1300 mm / 1500 mm
- ⇒ electronically locking dispensing system in sturdy sheet steel construction
- ⇒ manually actuated drawers with electronically limited pull-out (load capacity per drawer max. 20 kg)
- ⇒ individual drawer heights and widths



TM 526 extension unit
with drawers

TM 526 EXTENSION UNIT LOCKER EQUIPMENT

- ⇒ locker options with 8 or 16 lockers
 - 8-locker 360 x 340 x 590
 - 16-locker 360 x 150 x 590



TM 526 extension unit
with doors

TM 526 DRAWER SYSTEM WITH 100% DISPENSING CONTROL

With Guhring's TM 526 tool dispensing system you have complete control over the withdrawal of goods. The drawers of the TM 526 can be opened in a controlled grid pattern for withdrawal. Logging the withdrawal is cost centre related for maximum transparency.

SPECIAL FEATURES

- ⇒ flexible composition of different drawer heights and widths
- ⇒ open, multi-supplier capable system
- ⇒ secure storage and management of tools, measuring equipment and inspection instruments, assembly tools and consumables
- ⇒ expandable at any time with additional extension units
- ⇒ control function can also be utilised for other storage systems (TM 326, TM 426)

DRAWER OPTIONS:

The drawer design is variable and adapted to customer requirements

Heights: 42 / 60 / 113 / 186 / 258 mm

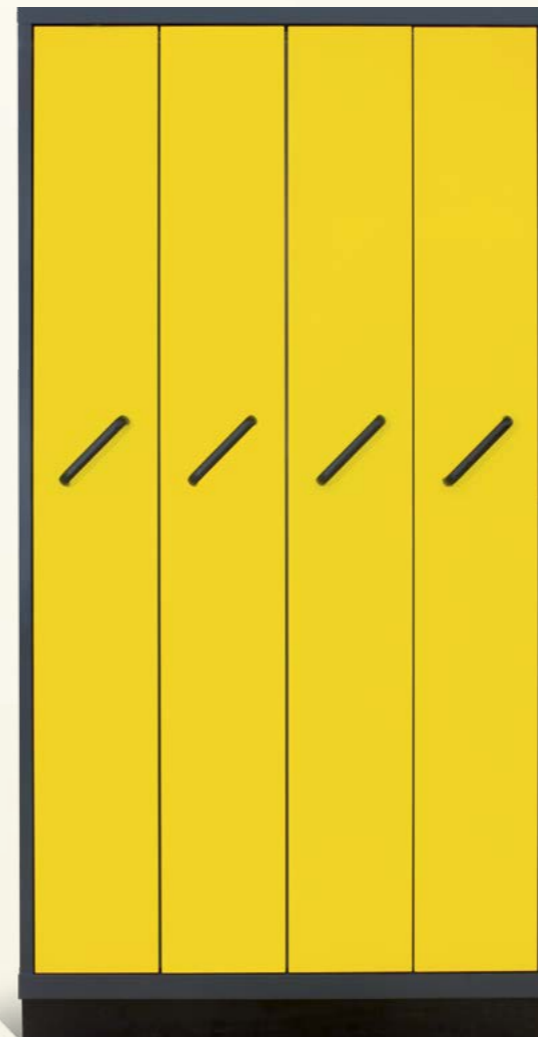
Widths: 50 mm / 8 drawers per level
110 mm / 5 drawers per level
150 mm / 4 drawers per level
215 mm / 3 drawers per level
350 mm / 2 drawers per level

OTHER:

Forklift base with removable front panel
Operating voltage: 230 V / 50 Hz
Special colours to RAL standard on request



TM SPECIAL CABINETS



TM DOUBLE DOOR CABINET

Double door cabinet with electronically controlled lock

EQUIPMENT OPTIONS

- ⇒ double doors closed (4/5 shelves)
- ⇒ double door with vision panel (4/5 shelves)

TM VERTICAL PULL-OUT DRAWERS

Vertical pull-out drawers with electronically controlled pull-out

EQUIPMENT OPTIONS

- ⇒ 4 vertical pull-out drawers
- ⇒ perforated wall
- ⇒ installation of trays for tool holders (SK/HSK) for example



GÜHRING
Dynamisches Lagersystem

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GÜHRING

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