GÜHRING

COMPETENT **TOOL MANAGEMENT**

FLEXIBLE.
PROFESSIONAL.
SUSTAINABLE.

TM | Tool Management
Powered by
GÜHRING

EVERYTHING FROM ONE SUPPLIER.
COMPREHENSIVE AND GLOBAL.

AMERICA

BRAZIL

CANADA

MEXICO

USA
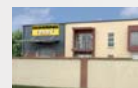BROOKFIELD

USA
NEW HUDSON

ASIA

CHINA

INDIA

INDONESIA
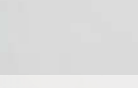

JAPAN

KOREA

TAIWAN

THAILAND

VIETNAM

AFRICA

SOUTH AFRICA

AUSTRALIA

AUSTRALIA

48 SALES COMPANIES

IN EXCESS OF 70 PRODUCTION AND SERVICE CENTRES

GREAT BRITAIN

SPAIN

FRANCE

NETHERLANDS

BELGIUM

SWEDEN

DENMARK

SWITZERLAND
ROTKREUZ

SWITZERLAND
ALTDORF

GERMANY
ALBSTADT - STAMMSITZ

GERMANY
ALBSTADT - WERK II

GERMANY
ALBSTADT - WERK III

GERMANY
SIGMARINGEN - LAIZ

GERMANY
BERLIN

GERMANY
TREUEN - WERK I

GERMANY
TREUEN - WERK II

GERMANY
TREUEN - WERK III

GERMANY
CHEMNITZ

EUROPE

GERMANY
EISENACH

GERMANY
MARKT ERLBACH

GERMANY
GEISSLINGEN

GERMANY
WEHINGEN

GERMANY
MINDELHEIM

GERMANY
LEVERKUSEN

GERMANY
LANGENHAGEN

GERMANY
RAMSTEIN

GERMANY
NEUTRAUBLING

GERMANY
KULMBACH

GERMANY
NÜRNBERG

GERMANY
ZORBAU

ITALY
MISSAGLIA

ITALY
UBIEMME

AUSTRIA

POLAND

RUMANIA

RUSSIA

CZECH REPUBLIC

TURKEY

HUNGARY

Choice of Guhring locations

»WE ARE READY FOR INDUSTRY 4.0«

CONTENTS.

GTMS
Gühring Tool Management Software

GUHRING TOOL MANAGEMENT.
COMPETENT PARTNER.

For more than 15 years Guhring has success-fully carried out tool management projects wor-ld-wide in a variety of extension levels. Small as well as medium-sized companies with individu-al and small batch production as well as enter-prise customers with large batch production are supported by Guhring with full responsibility.

Because of the wide variation and the expe-rience in implementing world-wide customer projects Guhring possesses an outstanding ex-pertise in the tool management sector.
With this know-how Guhring can also support your company in specifically optimising your tool management.

GUHRING TOOL MANAGEMENT.
ADVANTAGES.

Whilst direct tooling costs reflect tool consumption they remain the target of optimisation in companies, indirect tooling costs are hidden in the process organisation of tool management. They are less transparent and less quantifiable.

On the one hand indirect tooling costs are for example costs incurred through the necessary process organisation such as procurement, storage etc., on the other hand they are also costs arising from deficits in these management processes.

GUHRING TOOL MANAGEMENT
OPTIMISES PROCESSES & REDUCES COSTS

FOR THE COMPANY'S PRODUCTION IT MEANS:

＼ Interruption of production orders
   due to unavailable tools

＼ Insufficient transparency of tool stock
   and storage locations

＼ Increased time investment of foremen
   and machine operators due to
   unavailable tools

＼ Overstock or missing / understock
   in warehouse

＼ Increased tool variety

YOUR COMPANY RECEIVES ALL THE COMPONENTS REQUIRED FROM GUHRING THE SOLE SUPPLIER.

Any activities to optimise the process organisation and the costs connected that have to be carried out by employees responsible in addition to the daily work schedule are often neglected due to lack of time. This is where Guhring begins with its modular tool management concepts. You can receive all required components from one supplier – Guhring.

RE-ORGANISATION AND CONTROL OF
YOUR TOOL MANAGEMENT

TRANSPARENCY OF ALL PROCESSES THANKS TO THE
APPLICATION OF GUHRING'S TOOL MANAGEMENT
SOFTWARE

AUTOMATED TOOL DISPENSING SYSTEMS

GSS SHRINK FIT AND PRE-SETTING EQUIPMENT

FURTHER OPTIMISING DIRECT TOOLING COSTS. IDENTIFYING AND REDUCING INDIRECT TOOLING COSTS.

GUHRING'S TOOL MANAGEMENT.
CONCEPTS.

PERFORMANCE.

- Guhring as central logistics partner for the procurement of all products in the machining and production area

- Article spectrum includes all types of cutting tools as well as accessories

- The customer decides which tools are applied tools during the project

- Scheduling and ordering of all tools to be applied including non-Guhring products

- Monitoring delivery schedules

- Tool availability including consignment stock

- monitoring stock levels

- Guhring TM tool dispensing system for tool storage

- Re-grinding and re-coating in Guhring service centres or with original supplier

- Delivery of new and refurbished tools

- Filling the Guhring TM tool dispensing system

- Consumption and costing reports

- Monthly invoicing by Guhring based on withdrawn tools. Subcontractors paid by Guhring

ADVANTAGES.

- The customer can focus on core competences and value adding activities

- Customer specific compilation of scope of performance

- Only one contact person for the procurement of all tools and products

- Reduction of tied-up capital thanks to consignment stock

- Determining the cost reduction potential for indirect tooling costs

- Cost transparency thanks to clear cost allocation and monthly consumption reports to various criteria such as time period, product, cost centre, tool type etc.

- 24 hour tool dispensing during partly unmanned shifts

PERFORMANCE.

❱ Responsibility of complete tool management

❱ Guhring project team including tool managers, application technicians and pre-setting personnel on-site.

❱ Looking after Guhring tools and non-Guhring products – including turning, grinding, honing and assembly

❱ Scheduling and ordering all tools to be applied

❱ Monitoring delivery deadlines

❱ Incoming goods inspection

❱ Managing tool stock

❱ Assembly and pre-setting of tools

❱ Delivery of pre-set tools directly to manufacturing facilities

❱ Collection of worn tools from production area

❱ Disassembly and assessment of worn tools including wear analysis

❱ Dispatch of tools for refurbishment, i.e. re-grinding and re-coating

❱ Continuous technological improvements of tools and processes (CIP)

❱ Comprehensive reporting such as for example tooling costs per component, determining the cost driver per workpiece, documentation of tool life development

❱ Monthly invoicing by Guhring according to agreed modus, sub-contractors are paid by Guhring

ADVANTAGES.

❱ Customer specific compilation of scope of performance

❱ Quick achievement of optimisation targets as Guhring tool managers can invest 100% of working time in optimisations

❱ Reduction of personnel costs in tool management

❱ Reduction of tied-up capital thanks to consignment stock

❱ Determining the cost reduction potential for indirect tooling costs

❱ Cost transparency thanks to clear cost allocation and monthly consumption reports to various criteria

GUHRING TOOL MANAGEMENT.
CONCEPT MODULES.

Guhring's tool management concepts are designed according to customer requirements. Long-term experience of the tooling sector, the technology and the professional handling of workflow and customer data form the optimal basis for a reliable and individual co-operation with Guhring as a partner. Tool management is divided into the following concept modules.

GTMS.

Modern and practice-oriented tool management software from Guhring is the engine of tool management.

LOGISTICS.

The GTMS triggers order suggestions as required and co-ordinates delivery and re-grind service.

SERVICE.

Thanks to the co-ordinated delivery and re-grind service all production relevant working materials and tools are made available based on requirement and on time.

INTERFACES.

With the assistance of interfaces GTMS connects to all ERP/PPS, CAD and IT systems. Also logistics systems like Paternoster or shuttle systems can be activated and managed.

INTEGRATION.

By incorporating the software in the existing customer infrastructure it provides support to all relevant tool management processes.

IDENTIFICATION.

Login is either by barcode, PIN, RFID or by biometric data.

ONLINE COMMUNICATION.

GTMS enables data exchange via Intranet and Internet, web applications on tablet, smartphone and PC.

MACHINES.

Multiplex dispensing systems offer solutions for various areas of application and security levels.

»OUR INTELLIGENT
TM SOLUTIONS OPTIMISE
YOUR TOOL MANAGEMENT,«

GUHRING TOOL MANAGEMENT.
CUSTOMER EXAMPLES.

MillCraft 3D in Affalterbach is a young, fast growing company in the model mould and prototype construction sector. For the machining of high-tech materials the team applies the technology of Guhring to satisfy the high customer demands.

» For us flexibility and speed, paired with a high standard of quality, is enormously important. Here, Guhring's tool dispensing system is a great help. As well as an accurate order management it guarantees us quick tool availability and is therefore indispensable in our daily work process. «

Sven Goldschmidt | MillCraft 3D Managing Director

Sven Goldschmidt, MillCraft 3D Managing Director, appreciates the application of Guhring's TM 326 tool dispensing system.

» GUHRING'S TOOL DISPENSING
SYSTEM IS INDISPENSABLE
IN OUR DAILY WORK PROCESS. «

» TM 526 – OF ESSENTIAL
BENEFIT TO
OUR COMPANY. «

GUHRING TOOL MANAGEMENT.
CUSTOMER EXAMPLES.

»Hightech made in Regensburg« – how the dynamic company Aytec faces the challenges of its international customers. Here it relies on tools and dispensing systems from Guhring to guarantee the quality for manufacturing special machines.

»Controlled dispensing and the automatic re-ordering of tools is very important to us. With Guhring's tool dispensing system TM 526 tools are always available and we can fully concentrate on our core competences. This is a key benefit for us. «

Christian Ruhland I Aytec Managing Director

The users Jonas Polleter and Paul Troppmann are also convinced:
"Self-explanatory software – and tool search is a thing of the past."

GUHRING TOOL MANAGEMENT SOFTWARE.

GTMS
Gühring Tool Management Software

All Guhring tool dispensing systems are controlled by the user-friendly GTMS. It allows a simple, quick and intuitive operation via integrated touchscreen.

The software provides the customer application and individual setting possibilities in all areas of production.
Thanks to the modular design processes in manufacturing can be accurately costumized and all aspects of the tool cycle, from provision and storage to disposal, can be transparently presented.
The software documents all relevant movement

data of stock, triggers order suggestions and enables evaluations to different criteria.
This comprehensive and detailed reporting offers your company a multitude of optimisation potentials in the tool cycle.

Interfaces furthermore enable the connection to different merchandise management systems as well as an online connection to your suppliers thanks to automated order processes.

MODULAR DESIGN.

CENTREPIECE.

LOGISTICS MODULE.

❯ Machine control
❯ Article master data
❯ Scheduling
❯ Evaluations

A-Z PLANNING.

PLANNING MODULE.

❯ Communication
❯ Components
❯ Wear data
❯ Tool catalogues / DIN 4000

SAFETY IN ALL PROCESSES.

QUALITY MODULE.

❯ Inspection instrument management
❯ Serial number management
❯ Machines
❯ Incoming goods data
❯ Complaints

PRDUCTION UNDER CONTROL.

PRODUCTION MODULE.

❯ Work plans
❯ Orders

Guhring Tool Management Software

Options

- Reload
- Expert Search
- My Favorites
- Article Details
- Print Bookings
- Help
- Logout

Article Selection

Scan Barcode

Text Search

No of Records: 17

Group	Section	Description
Drill	Equipment	HSS Ratio End Mill 10,00
End Mill	Holder	HSS Ratio End Mill 12,00
Insert	Tools	HSS Straight shank twist drill 0,20
Reamer		HSS Straight shank twist drill 0,67
Tap		HSS Straight shank twist drill 0,78
Tool Holder		HSS Straight shank twist drill 10,00

Overview Articles

Article	Material Number	Article Type	Group	Description	Supplier Number	Supplier Name	Stock
205 0,20	205 0,20	Wear Article	Drill	HSS Straight shank twist drill 0,20	S001	Gühring KG	45,000
205 0,67	205 0,67	Wear Article	Drill	HSS Straight shank twist drill 0,67	S001	Gühring KG	46,000
205 0,78	205 0,78	Wear Article	Drill	HSS Straight shank twist drill 0,78	S001	Gühring KG	0,000
205 10,00	205 10,00	Wear Article	Drill	HSS Straight shank twist drill 10,00	S001	Gühring KG	23,000
3705 10,00	3705 10,00	Wear Article	End Mill	HSS Ratio End Mill 10,00	S001	Gühring KG	5,000
3705 12,00	3705 12,00	Wear Article	End Mill	HSS Ratio End Mill 12,00	S001	Gühring KG	6,000
768 10,32	768 10,32	Wear Article	Drill	Ratio drill with oil feed 10,32	S001	Gühring KG	17,000
768 11,00	768 11,00	Wear Article	Drill	Ratio drill with oil feed 11,00	S001	Gühring KG	17,000
768 5,56	768 5,56	Wear Article	Drill	Ratio drill with oil feed 5,56	S001	Gühring KG	7,000

< Back

Current Booking:
1001 - Withdrawal

> Continue

Options

- My Booking
- Article Details

GUHRING

Guhring Tool Management Software

Master Data Analysis Logistics Planning Quality Production Setup 10001

Article Selection

Scan Barcode

Group	Section
Drill	**Equipment**
End Mill	Holder
Insert	**Tools**
Reamer	
Tap	
Tool Holder	

Text Search

No of Records: 17

Overview Articles

Article	Material Number	Article Type	Group	Description	Supplier Number	Supplier Name
205 0,20	205 0,20	Wear Article	Drill	HSS Straight shank twist drill 0,20	S001	Gühring KG
205 0,67	205 0,67	Wear Article	Drill	HSS Straight shank twist drill 0,67	S001	Gühring KG
205 0,78	205 0,78	Wear Article	Drill	HSS Straight shank twist drill 0,78	S001	Gühring KG

Guhring Tool Management Software

Master Data Analysis Logistics Planning Quality Production Setup 41200

Booking Analysis

Options
- Reload
- Set Filter
- Table View
- Chart View
- My Analysis
- Chart To Excel
- Print
- Export
- Mail
- Save Layout
- Help
- Close

Statistic Field	Article		Set additional Filter:			
Sorted by	Total Costs		And Or	Field Name	Operator	Value
Valuation	Booking Price		And	Group	equale	Drill
Additional Fields						
Booking Code	1000					
Cost Centre						
Period						
Create Sums		Reverse Qty. Sign				
Top x (0 for all)	10					

No of Records: 10

Overview Cumulated Booking Data - TOP 10 Article Sorted by Total Costs
Booking Code: 1000

Options
- Details
- Links
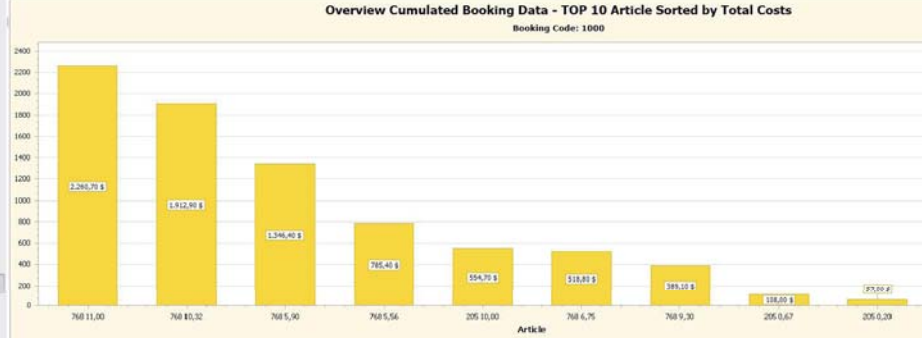
NOW WITH
NEW AND OPTIMISED
USER INTERFACE

GUHRING

GUHRING TOOL MANAGEMENT SOFTWARE.
PERFORMANCE & CUSTOMER ADVANTAGES.

⟍ Simple and intuitive user interface and menu navigation

⟍ Personal dashboard

⟍ Creation of various tool lists

⟍ Direct call-up of CAD systems and graphics programmes for processing and presenting tool drawings

⟍ Comprehensive storage management functions with which also Guhring's TM tool machines are controlled

⟍ Depiction of customer organisation for clear cost allocation of tool withdrawals

⟍ Accurate consumption analyses to various criteria, i.e. tool consumption per component, machin or manufacturing area

⟍ Individual solutions can be programmed according to customer requirements

⟍ Connection to all current ERP/PPS systems, tool management and paternoster lift systems via programming of corresponding interfaces

⟍ Multi-lingual software

⟍ Production of individual customer forms
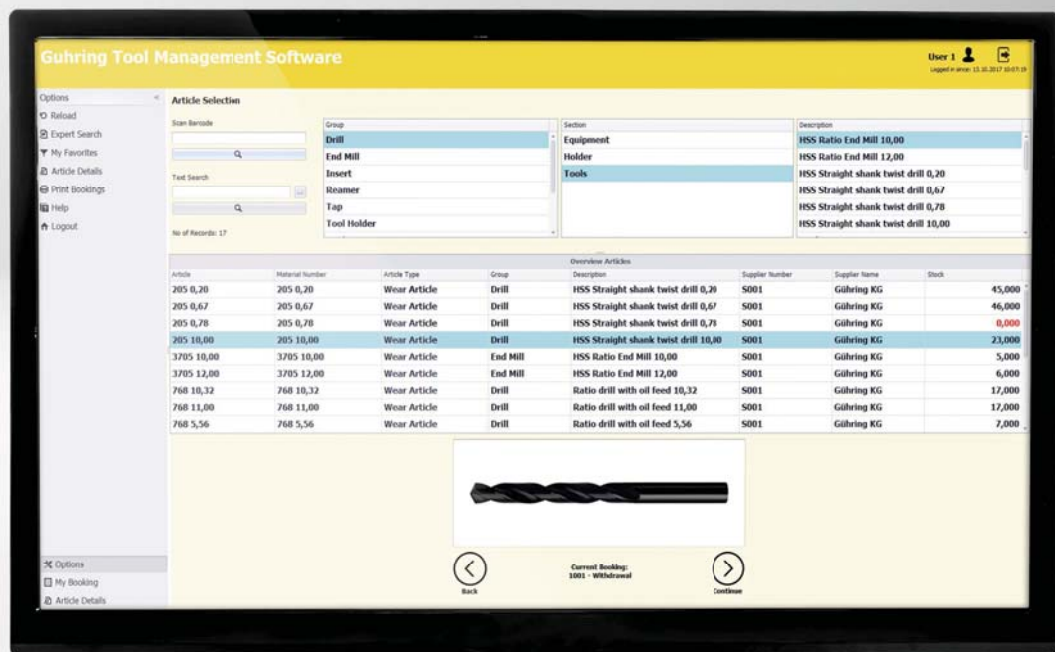
GUHRING'S TOOL MANGEMENT TOOL DISPENSING SYSTEMS.
MACHINES AND STORAGE SYSTEMS.

THE CORRECT SYSTEM
FOR ANY APPLICATION!

GUHRING TM
TOOL DISPENSING SYSTEMS.
TM 326 AND TM 526 SYSTEMS.

Controlled storage and dispensing of tools is the basis for gaining tool consumption transparency and direct tooling costs. A prerequisite for this is however that tool stock is kept under lock and key and that every tool withdrawal is indeed registered in the management software. Only this way it is ensured that the stock displayed by the software is also physically existent and the tool scheduling can work reliably.

All systems are controlled by the GTMS logistics module. It enables a simple and intuitive operation of the dispensing machines.

Log-in is customer specific by PIN, barcode, RFID or biometric data. Depending on the system type tools can be stored and managed under different security levels. Guhring's TM 326 and 526 systems were specifically developed for this.

They are compatible to one another and can be adapted to various customer requirements for individual, small and large series production.

These Guhring TM tool systems therefore offer the decisive advantages of an intelligent tool dispensing system

ADVANTAGES.

\ 24 hour controlled tool availability

\ Reduction in storage and management costs

\ Permanent consumption control

\ Prevention of production stoppages

\ Clear allocation of tooling costs

\ Elimination of safety stock

\ Storage and management of all articles relevant to production

\ Eliminates loss and theft

\ Employee awareness of tooling costs

\ Communication with all IT systems possible

OPTIMISED MANAGEMENT PROCESSES
PERFORMANCE INCREASE IN
TOOL MANAGEMENT.

HIGH-END PERFORMANCE.
POWERED BY GUHRING.

SECURE NOW. LONG-TERM SAVING. PROFIT.

TM 326
BASIC VERSION.
MANY POSSIBILITIES.

TM 326 embodies a flexible storage solution for all application requirements for individual and small batch production. Electronically locked drawers can be individually adapted in height and partitioning options according to the article spectrum. It is ideal for accommodating different products in small quantities.

The storage module is the centrepiece of Guhring's Tool Management Software that monitors and controls all movements. The system can be combined with all Guhring system types.

ELECTRONICALLY CONTROLLED.
MODULARLY EXTENDABLE.
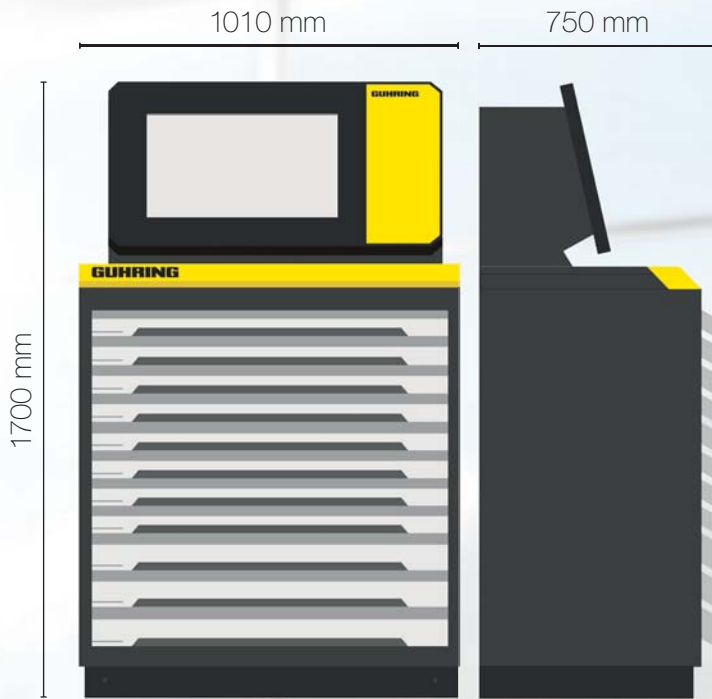
TM 326

TM 326.
DESIGNS AND DIMENSIONS.

BASIC UNIT **EQUIPMENT**

↘ Electronically locked dispensing system in a rigid steel sheet construction

↘ Manually operated drawers with LED display and full pull-out (load capacity per drawer max. 200 kg)

↘ Individual drawer height and partitioning options

↘ Height: 1700 mm (incl. attachment)
Usable height: 900 mm

↘ PC with current WIN version, 64 Bit

↘ Scanner for reading barcode and QR code

↘ 21.5" HD touchscreen monitor

↘ Storage module of Guhring TM software

↘ Operating manual available

EXTENSION UNIT **EQUIPMENT**

↘ Electronically locked dispensing system in a rigid steel sheet construction

↘ Manually operated drawers with LED display and full pull-out (load capacity per drawer max. 200 kg)

↘ Individual drawer height and partitioning options
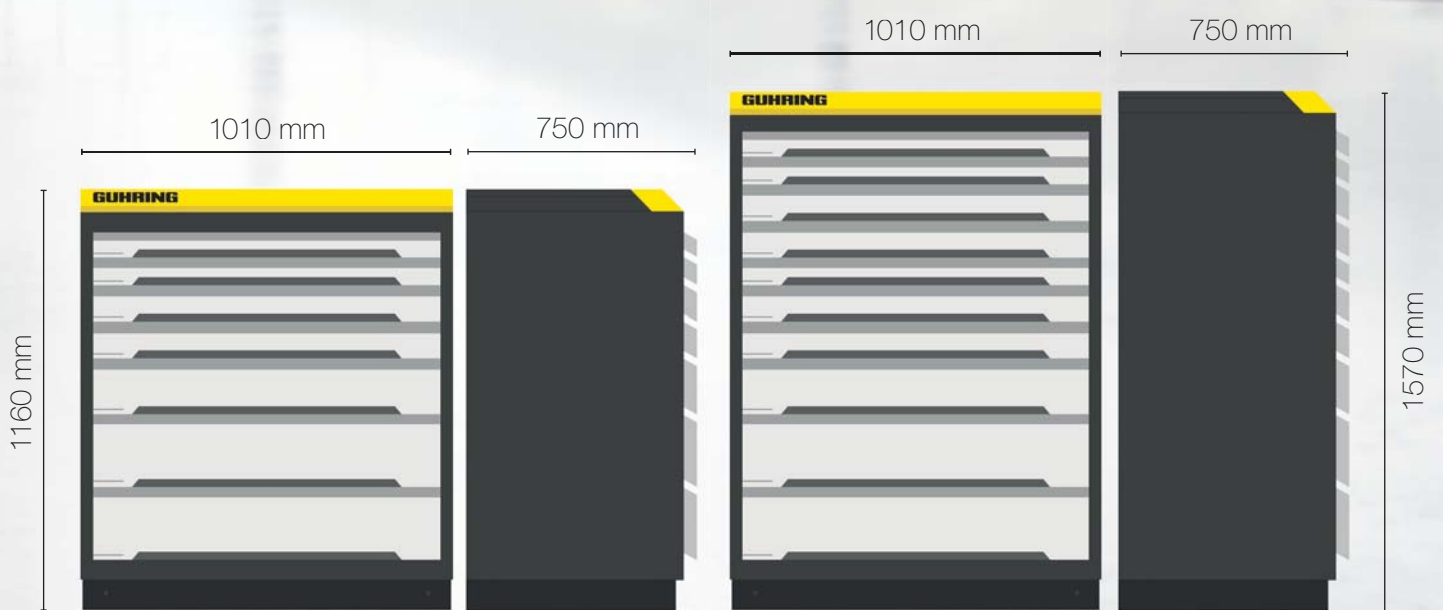
↘ 2 different heights:
Height: 1160 mm | 1570 mm
Usable height: 900 mm | 1300 mm

OTHER

↘ Lift truck base with removable front panel

↘ Operating voltage: 230 V / 50Hz

↘ Special colours to RAL / NCS on request

1010 mm   750 mm

1700 mm

TM 326 basic unit | front and side view

1010 mm   750 mm
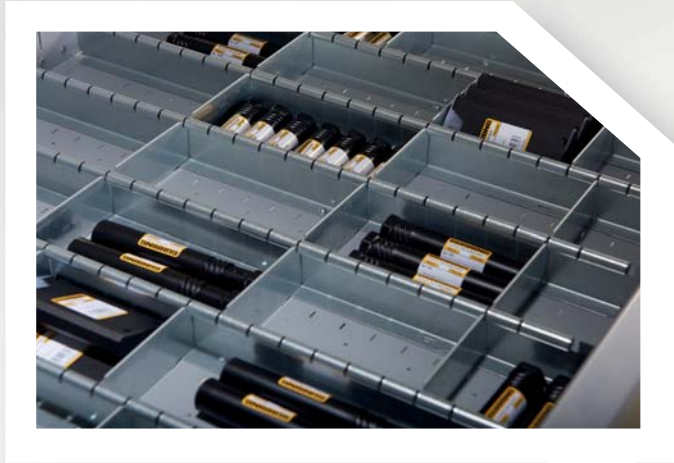
1010 mm   750 mm

1160 mm

1570 mm

TM 326 extension units | front and side view (2 heights)

TM 326.
DESIGNS AND DIMENSIONS.

DRAWER PARTITIONING OPTIONS

\ Flexible composition of drawer height

Available front height:	75 mm	100 mm	150 mm	200 mm
Usable height:	60 mm	85 mm	135 mm	185 mm

Box set

Partition set (standard equipment)

Recess set

Anti-slip mat

ELECTRONIC **DRAWER FLAP SYSTEM**

\ Flexible composition of drawer height

Available front height:	75 mm	100 mm	150 mm	200 mm
Usable height:	50 mm	75 mm	125 mm	175 mm

Flaps per drawer	Internal compartment dimension width x depth	Flap partitioning width x depth
48	109 x 75 mm	8 x 6
40	109 x 95 mm	8 x 5
32	109 x 125 mm	8 x 4
36	146 x 75 mm	6 x 6
24	146 x 125 mm	6 x 4
24	220 x 75 mm	4 x 6
18	146 x 175 mm	6 x 3
20	220 x 95 mm	4 x 5
16	220 x 125 mm	4 x 4
12	440 x 75 mm	2 x 6
12	225 x 200 mm	3 x 4
8	440 x 125 mm	2 x 4
4	440 x 259 mm	2 x 2

TM 526
DRAWER SYSTEM.
100 % DISPENSING CONTROL.

The TM 526 system has been designed for large batch production with high product turnover rate. The individual drawer gradually opens when operated, this means only the respective booked quantity is dispensed. This results in 100 % tool withdrawal transparency as well as a clear allocation of tooling costs.

ACCESS ELECTRONICALLY LIMITED.
TRANSPARENT TOOL MOVEMENTS.
TM 526

TM 526.
DESIGNS AND DIMENSIONS.

BASIC UNIT **EQUIPMENT**

❯ Electronically locked dispensing system in a rigid steel sheet construction

❯ Manually operated drawers with LED display and full pull-out (load capacity per drawer max. 20 kg)

❯ Individual drawer height and width

❯ Height: 1750 mm (incl. attachment)

❯ PC with WIN 10,64 Bit

❯ Scanner for reading barcode and QR code

❯ 21.5" HD touchscreen monitor

❯ Storage module of Guhring TM software

❯ Operating manual in available

EXTENSION UNIT **LOCKABLE COMPARTMENT EQUIPMENT**

❯ Option with 16 lockable compartments
Available internal dimensions: 334x151x534 mm (WxHxD)

❯ Version „Power supply"
Option with 16 lockable compartments
each storage locker is equipped with 230V
Available internal dimensions: 334x151x384 mm (WxHxD)

❯ Option with 8 lockable compartments
Available internal dimensions: 334x331x534 mm (WxHxD)

❯ Version „Power supply"
Option with 8 lockable compartments
each storage locker is equipped with 230V
Available internal dimensions: 334x331x384 mm (WxHxD)

EXTENSION UNIT **EQUIPMENT**

❯ Electronically locked dispensing system in a rigid steel sheet construction

❯ Manually operated drawers with LED display and full pull-out (load capacity per drawer max. 20 kg)

❯ Individual drawer height and width

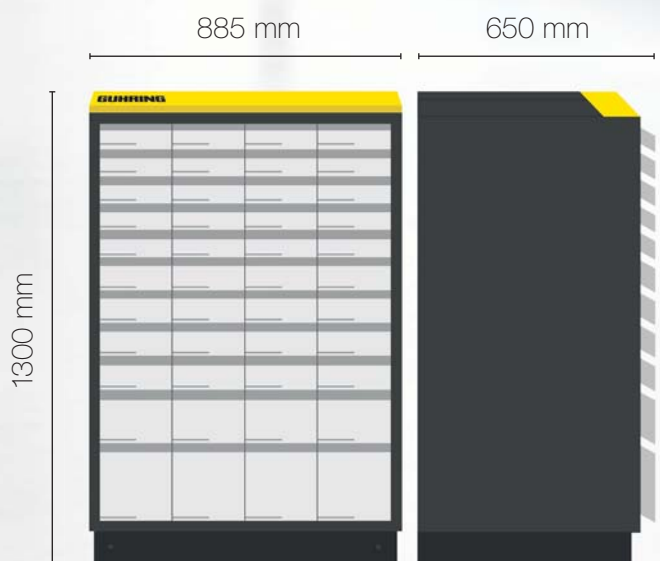❯ 2 different heights:
1300 mm ｜ 1500 mm

OTHER

❯ Lift truck base with removable front panel

❯ Special colours to RAL / NCS on request

❯ Operating voltage: 230 V / 50Hz

885 mm   650 mm

1750 mm
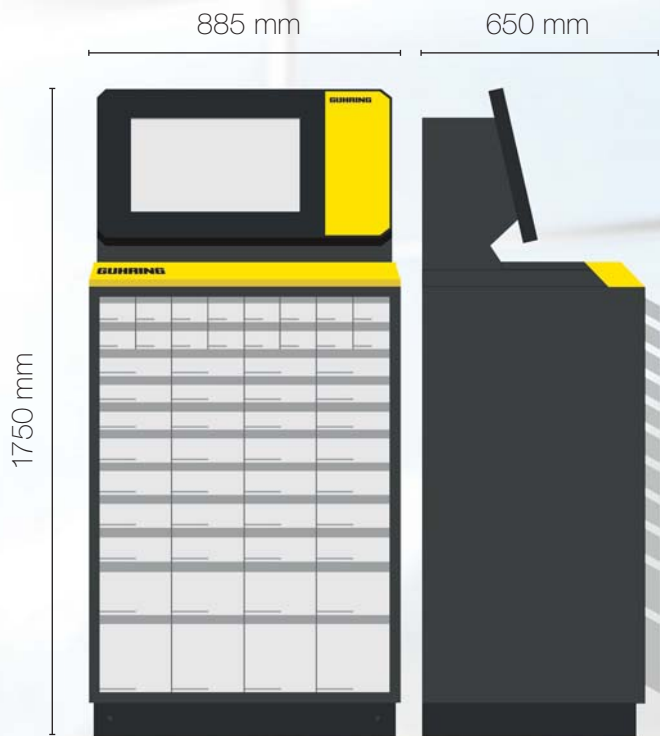
TM 526 basic unit | front and side view

885 mm   650 mm

1680 mm
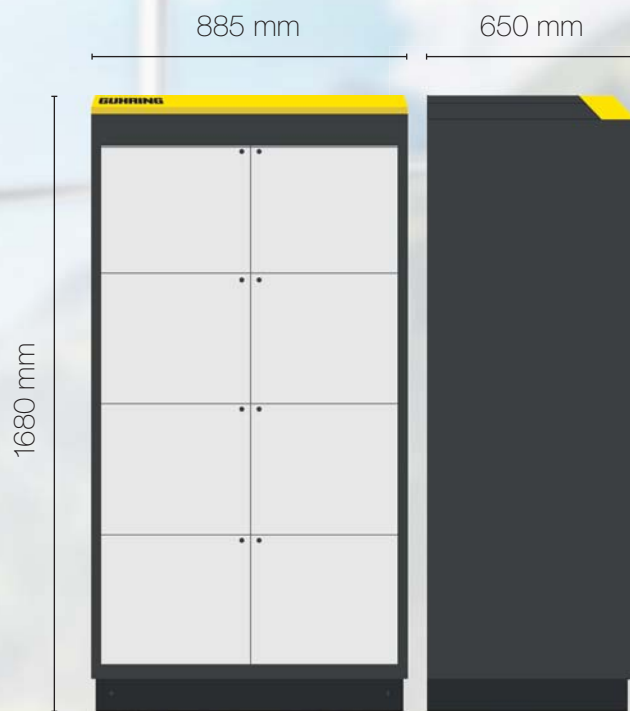
TM 526 extension unit lockable compartment |
front and side view

885 mm   650 mm

1300 mm

TM 526 extension unit (2 heights) | front and side view

885 mm   650 mm

1500 mm
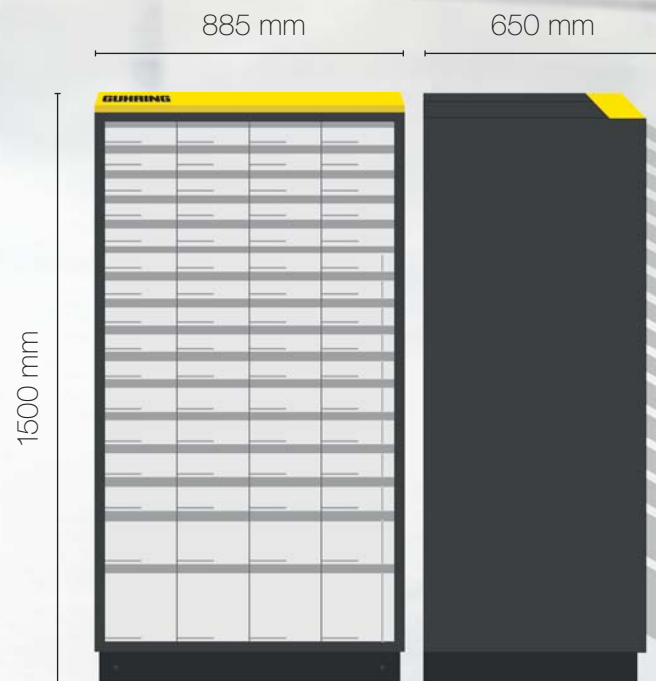
TM 526.
DESIGNS AND DIMENSIONS.

DRAWER PARTITIONING OPTIONS

↘ Drawers in a rigid steel sheet construction (load capacity per drawer max. 20 kg)

↘ Available drawer height / level: 42 / 60 / 113 / 186 / 258 mm

↘ Possible drawer partitioning:

	16	8	4	2	1 Partition
Individual compartment depth of drawer partitioning:	30	64	133	271	545 mm

↘ variable drawer width per level
  50mm / 8 drawers per level (only for 42 mm height)
  110mm / 5 drawers per level (only for 42 mm / 60 mm height)
  150mm / 4 drawers per level
  215mm / 3 drawers per level
  350mm / 2 drawers per level

GUHRING TM TOOL
DISPENSING SYSTEMS.
EXTENSION STORAGE SYSTEMS.

The with Guhring basic units freely combinable extension storage systems provide suitable space for all tools. The control via Guhring's TM 326 and

TM 526 tool dispensing systems guarantee secure storage and withdrawal only following a booking.

LARGE STORAGE SPACE.
TRANSPARENT MANAGEMENT.

The TM 426 tool dispensing system is the perfect solution for storing large quantities of compact tools within the smallest space. In the spiral systems tools are stored in a space-saving manner and are absolutely secure. The tools are dispensed by a goods dispenser optionally also via a lift system.

TM 426. SPIRAL SYSTEM.
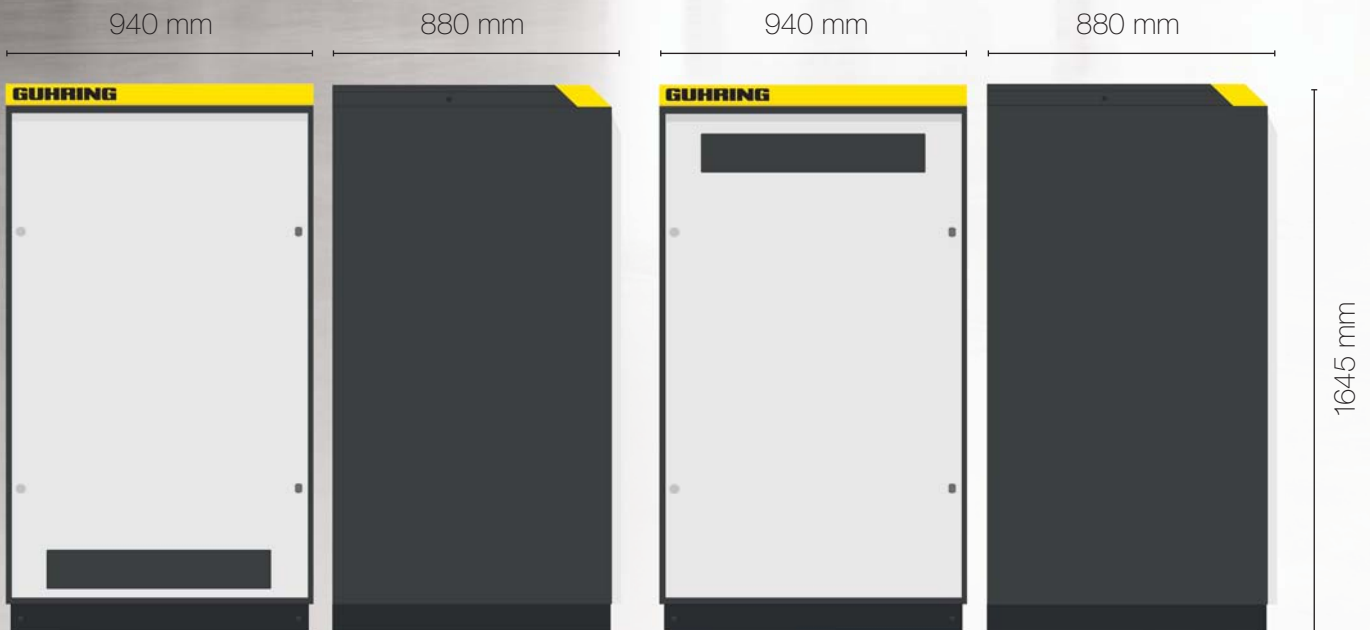## DESIGNS AND DIMENSIONS.

EXTENSION UNIT **EQUIPMENT**

❱ Withdrawal to Fifo principle

❱ 6-7 spiral levels with 10 spiral places each

❱ Goods dispensed bottom

❱ Spiral options can be configured according to product spectrum

EXTENSION UNIT **L EQUIPMENT**

❱ Withdrawal to Fifo principle

❱ 6- 8 spiral levels with 10 spiral places each

❱ Goods dispensed top

❱ Integrated transport lift for tools

OTHER

❱ Spiral option partitioning:
9 ∣ 13 ∣ 15 ∣ 21 ∣ 24 ∣ 31

❱ Lift truck base with removable front panel

❱ Operating voltage: 230 V / 50 Hz

❱ Special colours to RAL / NCS on request

940 mm   880 mm   940 mm   880 mm

1645 mm

TM 426 extension unit / front & side view   TM 426 extension unit L / front & side view

LOCKER DOOR SYSTEM.
DESIGNS AND DIMENSIONS.

EQUIPMENT

↘ Locker door cabinet available with or without viewing window

↘ 4 -5 shelves
(load capacity per shelf: 200 kg)

↘ Electronic locking by Guhring TM software

VERTICAL PULL-OUT SYSTEM.
DESIGNS AND DIMENSIONS.

EQUIPMENT

↘ Pull-outs with electronic locking via GTMS
(load capacity per pull-out: 300 kg)

↘ 3 different pull-out options:
4 pull-outs per 300 mm
6 pull-outs per 200 mm
8 pull-outs per 150 mm

↘ 2 different depths:
765 mm ｜ 1135 mm

↘ Robust design thanks to rotating pull-out roller and reaching in security

↘ Individual partitioning material

Tool holders

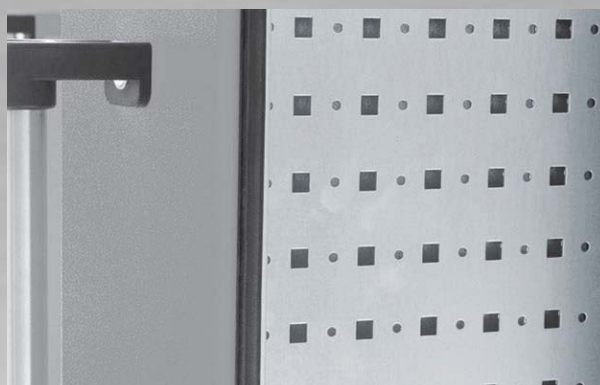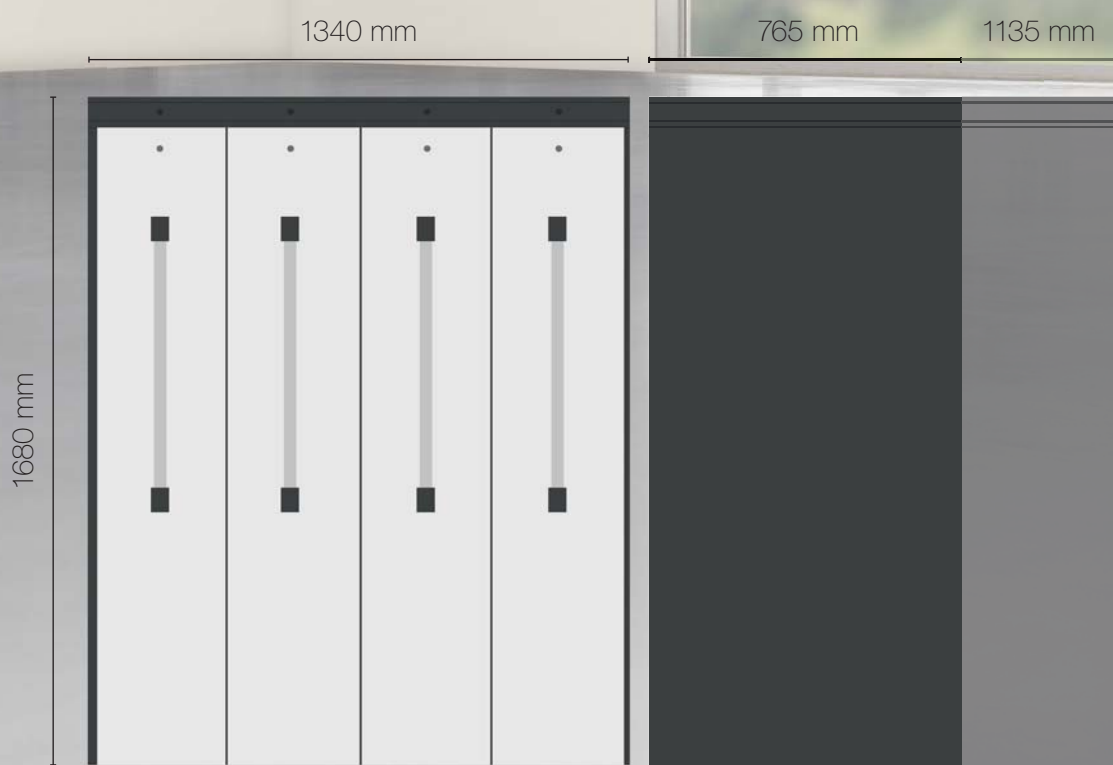Holders for extra length tools

Storage tray

Perforated sheet wall

1010 mm   695 mm   1010 mm   695 mm

1950 mm

Locker door cabinet with viewing window / front & side view

Locker door cabinet without viewing window / front & side view

1340 mm   765 mm   1135 mm

1680 mm

Vertical pull-out cabinet / front & side view (2 depths)

SPOT ON
PIONEERING
LIGHTING

CONTROLLED WITHDRAWAL
FOR MORE TRANSPARENCY.
OPTIMAL STORAGE
FOR ALL TYPES OF CONSUMABLES.

OUR CUSTOMERS CONFIRM:

❯ 10 % lower tool consumption

❯ 14 % less machine stoppages thanks to permanent
  tool availability

❯ 14 % greater application of re-ground tools in production

❯ Daily 1 hour time saving in tool search and procurement

TARGETED AND QUICK THANKS
TO STATUS LED LIGHT.

WE CREATE ORDER

Tool Management
Powered by

TM **GUHRING**