

# DRILLTEQ V-200

**Big can be that small.**

The flexible all-rounder for processing in just 5 m<sup>2</sup>.





# Building living spaces.

**From furniture to homes: The future is built with wood.**

Together, HOMAG, WEINMANN, SYSTEM TM and KALLESOE provide comprehensive production solutions for manufacturers of optimized timber, engineered wood, timber construction, interior fittings, furniture and more. With over 500 years of combined experience in machinery engineering, automation systems, and software technology, our focus is on building strong partnerships that enhance your productivity, precision, and profitability.

This is how we are Building living spaces. Together, with you.

**HOMAG – YOUR SOLUTION**

## High-precision CNC solutions.

Dimensional accuracy, repeat accuracy, fits – precision is the top priority in CNC machining. That's why we offer superior technology and individual equipment for the high-precision production of furniture, interior fittings and construction elements – with three, four or five axes.

To ensure that your individual furniture transforms rooms into living spaces in the future, too.

**Building living spaces.**

## Building precision.

# A millimeter off is a world apart.







# DRILLTEQ V-200 – big can be that small.

- Fast processing – saves time
- Takes up little room – saves space
- Simple operation – saves nerves
- Great value for money – saves money

Our CNC processing centers offer the technology of the future today. And with good reason: Tradition. For us, it is both a motivation and a commitment. Customers the world over associate the very highest standards with this. And we meet those expectations.

## YOUR SOLUTION

[MORE: HOMAG.COM](https://www.homag.com)

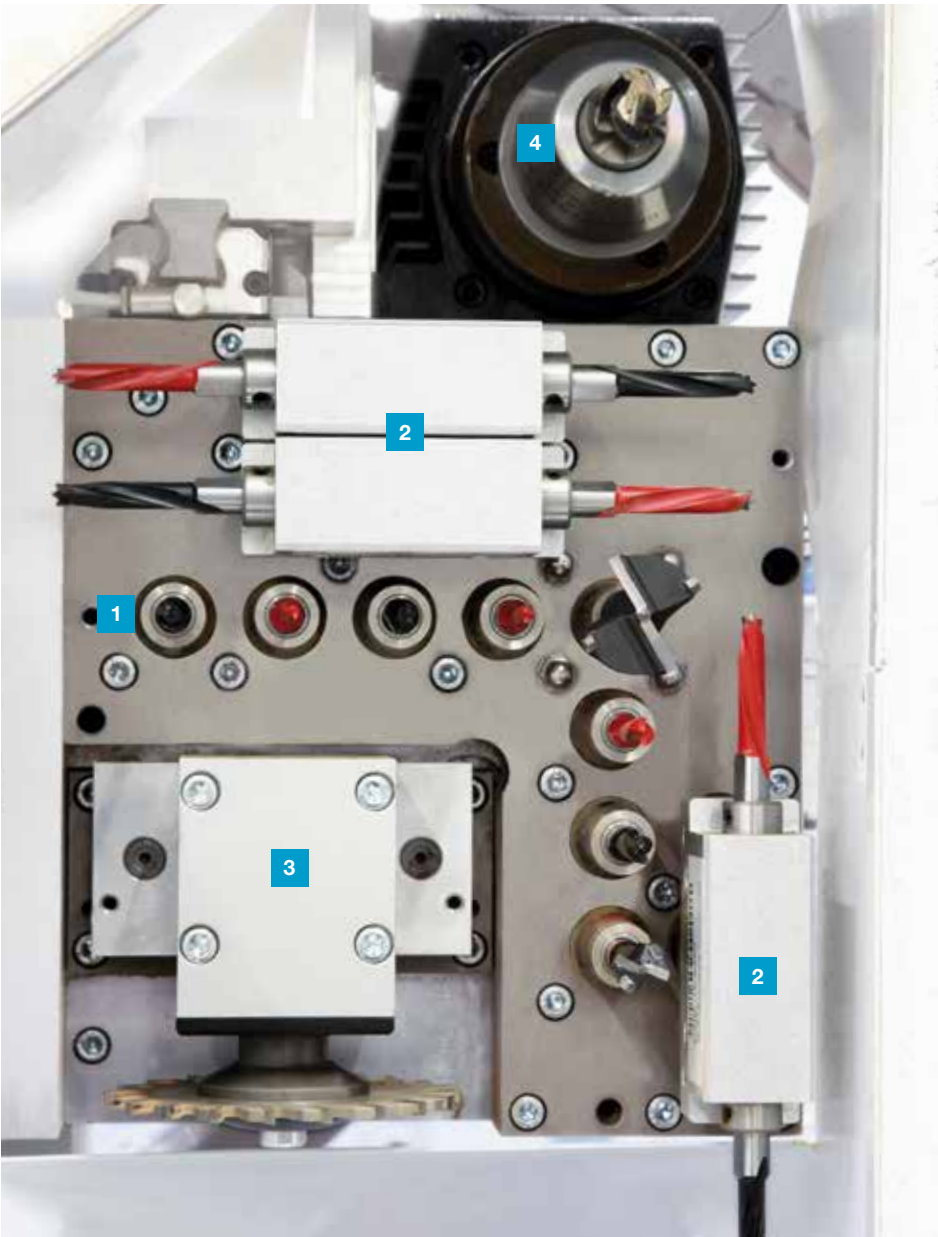


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Package 1



- 1 Vertical drilling**

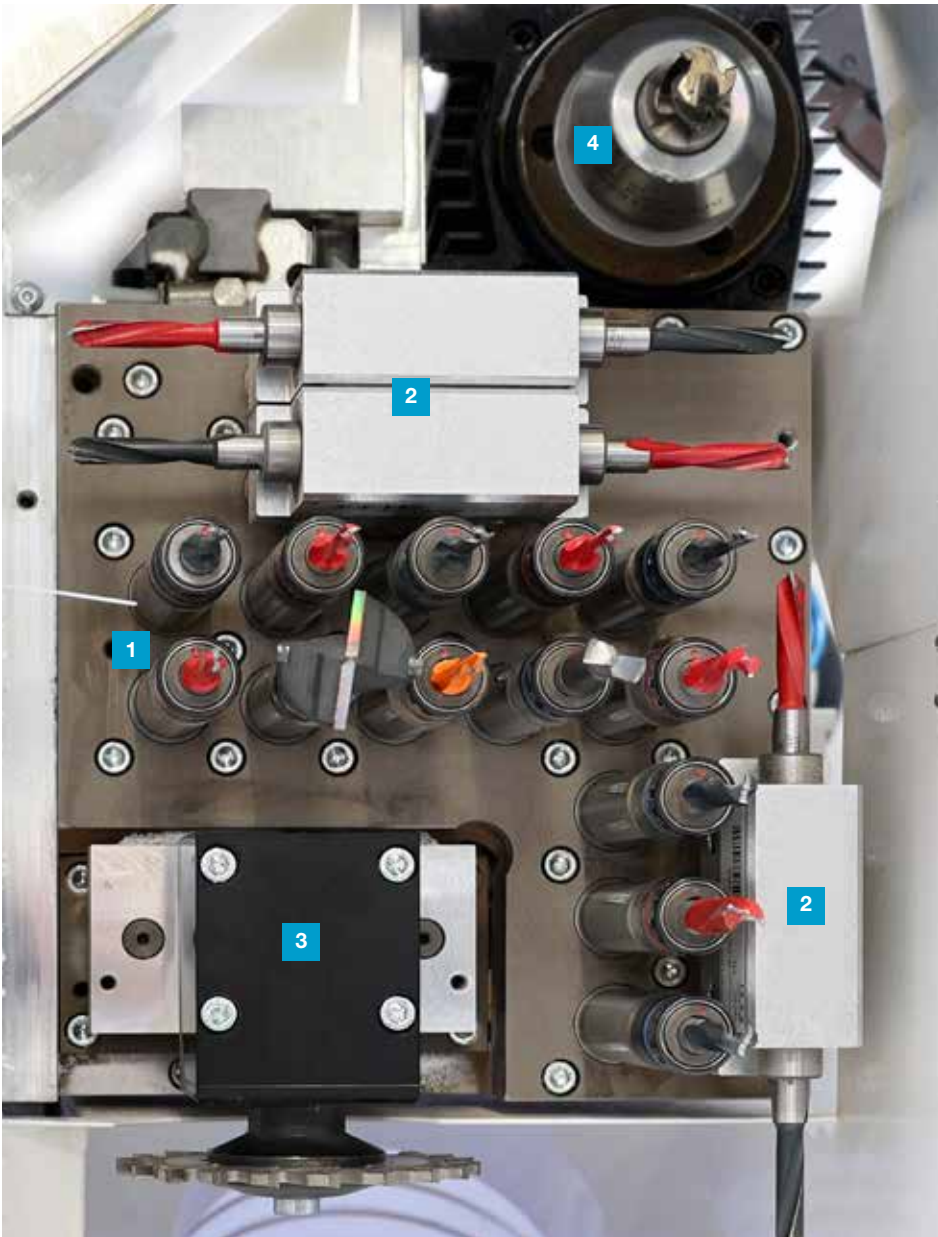
  - 8 High-speed drilling spindles, incl. quick change drilling system
- 2 Horizontal drilling**

  - 4 High-speed drilling spindles in X-direction
  - 2 High-speed drilling spindles in Y-direction
- 3 Grooving**

  - Grooving saw in X-direction, Ø 100 mm
- 4 Routing**

  - Router motor with hydraulic quick-change system, 5 kW ETP 25

Package 2



- 1 Vertical drilling**

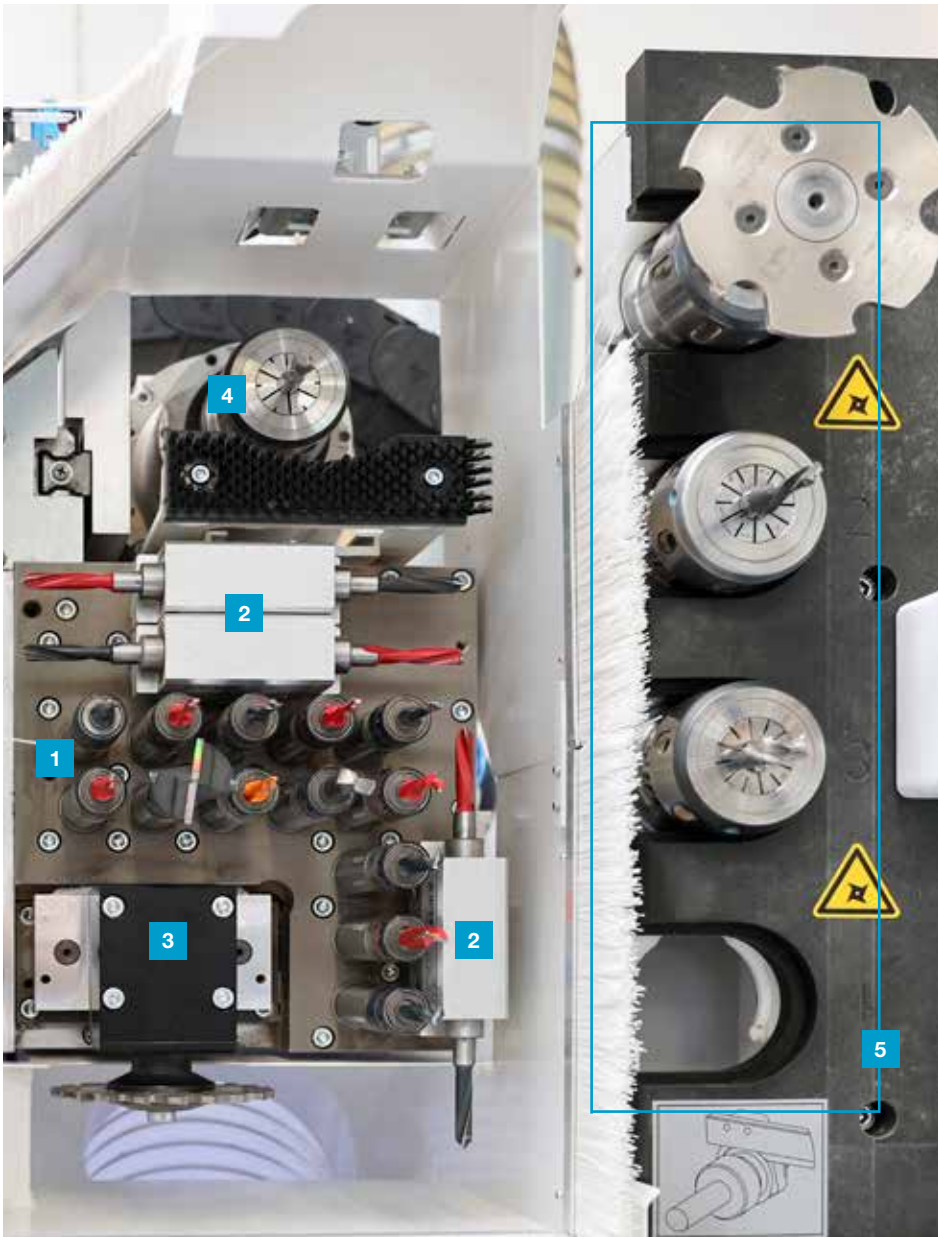
  - 13 High-speed drilling spindles, incl. quick change drilling system
- 2 Horizontal drilling**

  - 4 High-speed drilling spindles in X-direction
  - 2 High-speed drilling spindles in Y-direction
- 3 Grooving**

  - Grooving saw in X-direction, Ø 100 mm
- 4 Routing**

  - Router motor with hydraulic quick-change system, 5 kW ETP 25

Package 3



- 1 Vertical drilling**

  - 13 High-speed drilling spindles, incl. quick change drilling system
- 2 Horizontal drilling**

  - 4 High-speed drilling spindles in X-direction
  - 2 High-speed drilling spindles in Y-direction
- 3 Grooving**

  - Grooving saw in X-direction, Ø 100 mm
- 4 Routing**

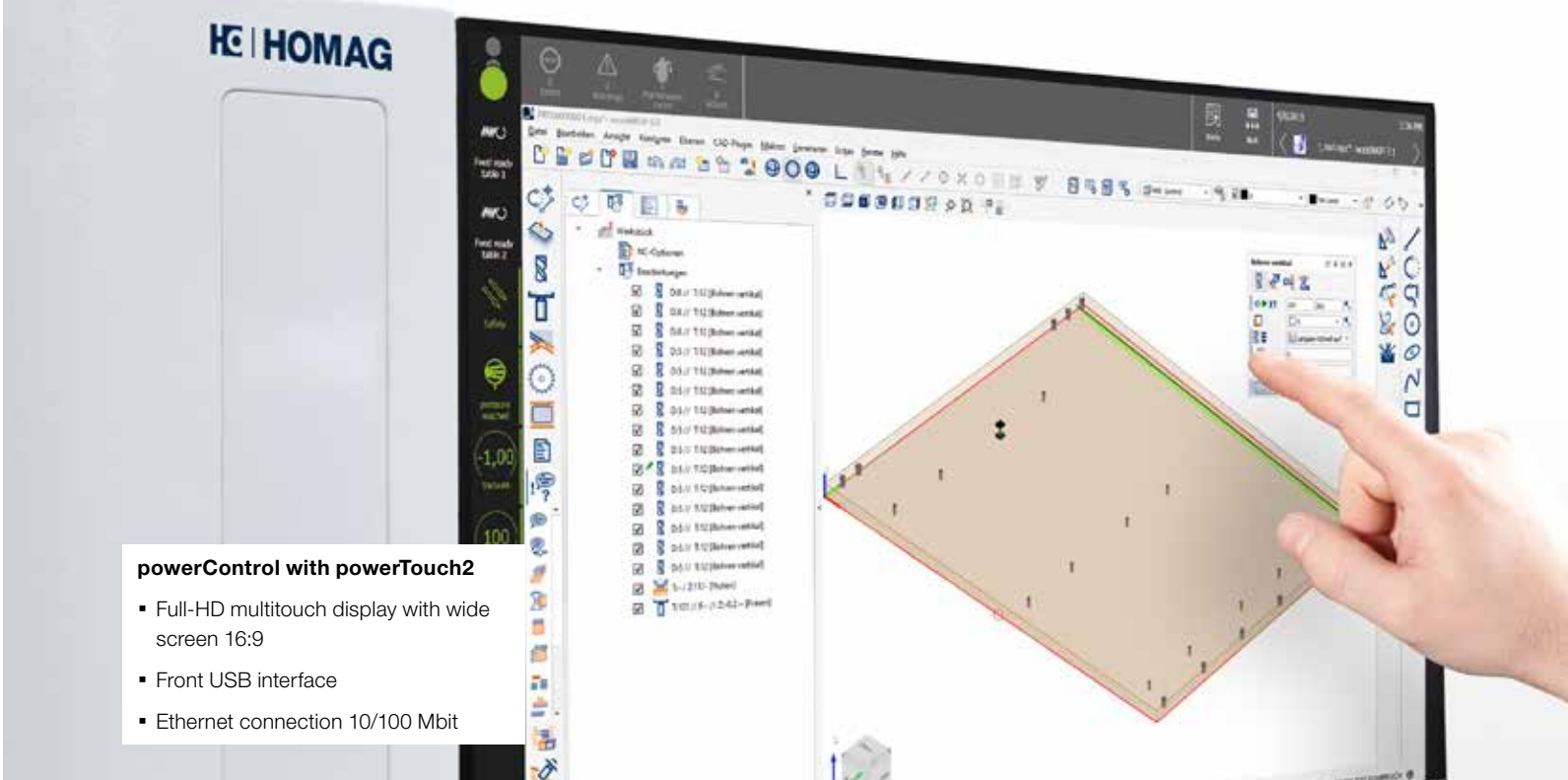
  - Tool changing spindle 10 kW HSK 63
- 5 Tool changer**

  - Automatic tool change magazine with 4 places



# All inclusive – Hardware

**TOP EQUIPMENT RIGHT FROM THE BEGINNING:** Already in the standard elementary technologies are included, which ensure sustainable highest processing quality.



**powerControl with powerTouch2**

- Full-HD multitouch display with wide screen 16:9
- Front USB interface
- Ethernet connection 10/100 Mbit



**Workpiece load- and workpiece removal area**

- Mechanical support via roller conveyor in the loading- and removal area of the machine



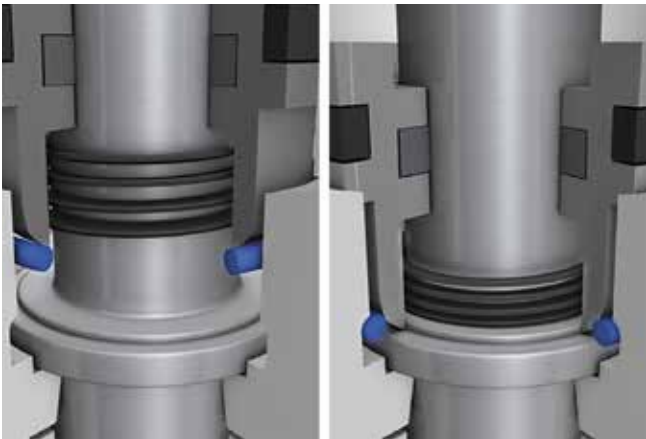
**Working length extension**

- Extension of the working length from 2500 to 3050 mm incl. roller conveyor



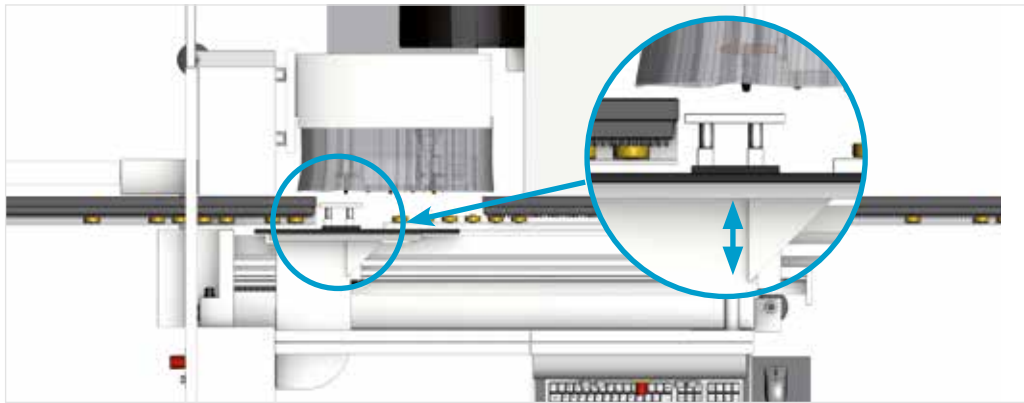
**Drill quick-change system**

- The patented system ensures easy installation or change of drilling bits. Your easy way to save time!



**Automatic spindle clamping**

- Patented system for exact drilling depth at any time with different materials
- Lasting assurance of drilling quality



**Automatic workpiece thickness adjustment**

- Automatic adjustment of the counter block to the material thickness according to the data preselected by the operator in woodWOP



**Workpiece clamping device**

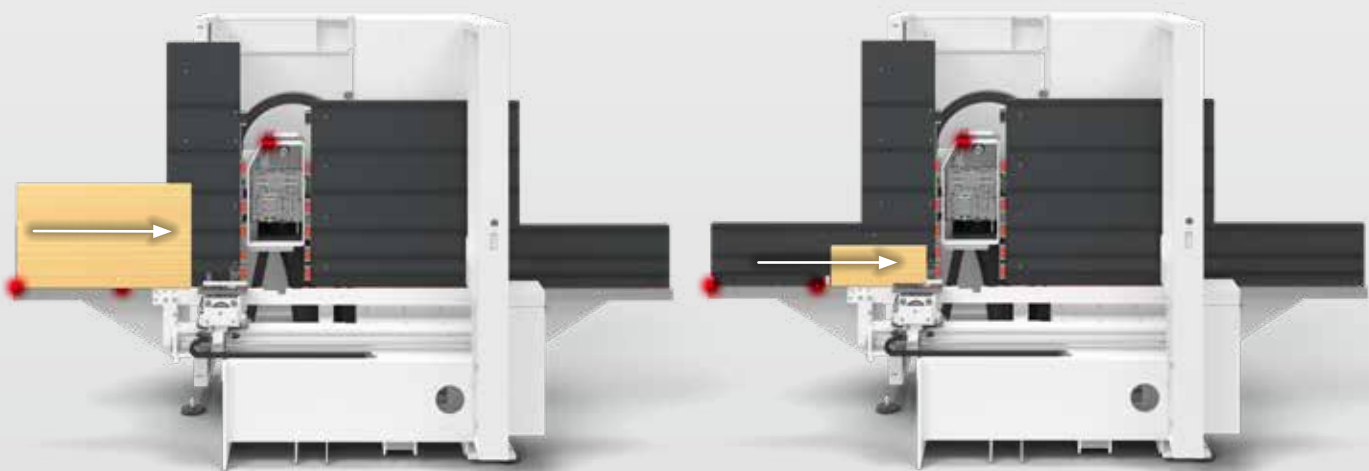
- Easy adjustment of the clamping device (manually) to the workpiece thickness (clamping device stroke 10 mm). For differences in the workpiece thickness of up to 10 mm it is not necessary to manually adjust the clamping device.



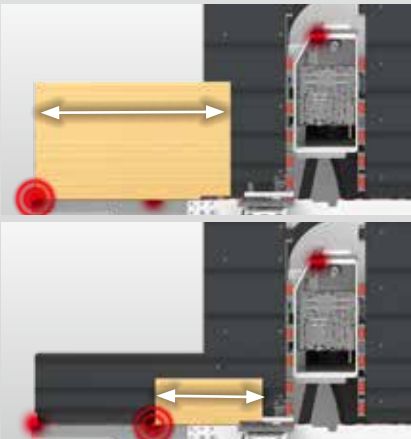
# Option – Plausibility Check

## BENEFIT FROM ADDITIONAL SAFEGUARDING OF PROCESSES

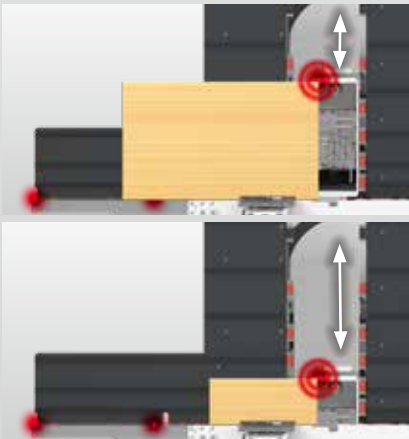
Control of the workpiece by sensor technology in X- and Y-direction. Comparison with the values in the database. If the defined tolerance value is exceeded, the current process stops. At the same time the operator receives a message to correct the workpiece. This way you remain on the safe side.



- Step 1:**
- Positioning the workpiece



- Step 2:**
- Control of the workpiece by sensor technology in X-direction. Depending on the workpiece dimensions the shortest distance to the next sensor is selected.



- Step 3:**
- Control of the workpiece by sensor technology in Y-direction

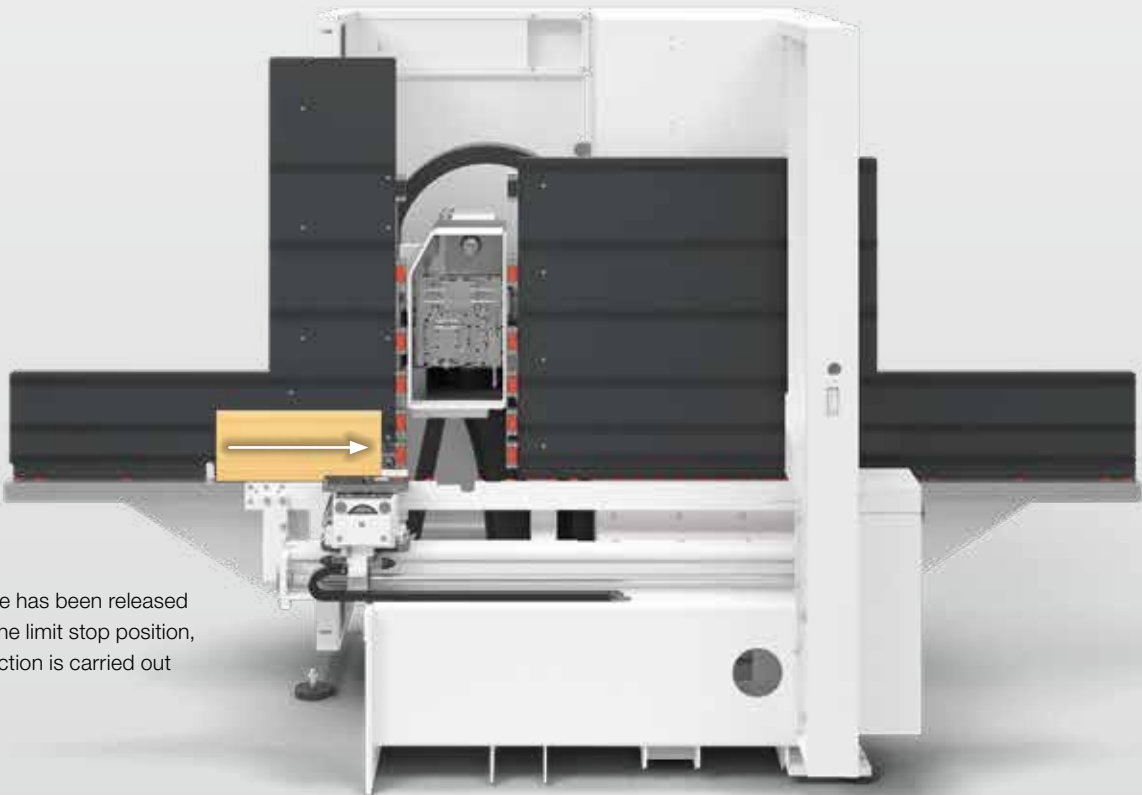


- Step 4:**
- Balancing the determined values with the program data:
  - Tolerance of values < 5 mm – Program is continued.
  - Tolerance of values > 5 mm – Program is stopped, advice to the operator to carry out the corrections.

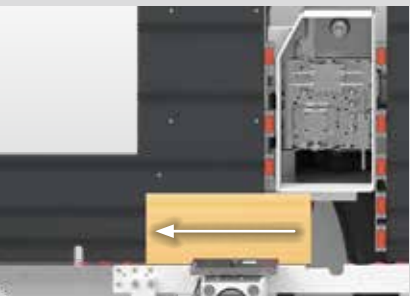
# Option – Length-dependent processing in X-direction

## AUTOMATIC ADJUSTMENT OF DRILLINGS DEPENDING ON WORKPIECE DIMENSIONS

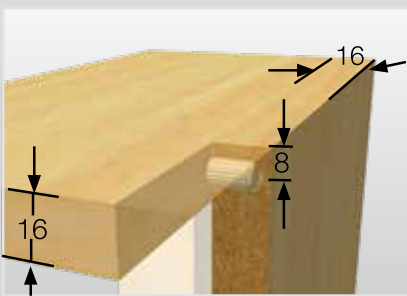
After the workpiece has been released for processing its length is measured accurately by a measuring run. Dimension-dependent drillings are then corrected automatically by possibly determined tolerances. You save time and gain quality.



- After the workpiece has been released for processing at the limit stop position, a test run in X-direction is carried out (value 1).



- Determination of exact workpiece length (value 2).



- Drills depending on dimensions are then automatically corrected by possibly determined tolerances.



Options



Option suction hood

- Enhancement of the suction power in the area of the routing unit for larger cutting cross-sections



Option Clamex routing

- Horizontal processing with Clamex disc router
- Vertical processing with Clamex end mill

Application examples



- Continuous back panel groove
- Planar drilling operations for eccentric connecting fitting
- Classical dowel holes in the front
- Illustration shows the Minifix connector from Häfele



- Continuous back panel groove
- Front side routing with T-slot routing cutter
- Illustration shows the removable Clamex P-connector from Lamello

Everything at a glance...

	Working length		Routing spindle		Drilling gear				Equipment													
	2,500 mm	3,050 mm	ETP 5 kW	HSK 10 kW	V8 H6 N	V13 H6 N	V15 H10 N	2-V10 H8 N	2. grooving saw	Tool changer	Doweling	Plausibility check	Length-dependent processing in X-direction	Quick-change system	Return	Automatic workpiece thickness adjustment	Workpiece clamping device	tapio-ready	cabinetCreator	Robot connection	Cell control	Setup time
DRILLTEQ V-200	✓	○	✓	-	✓	-	-	-	-	-	-	✓	○	✓	-	✓	1	✓	○	○	○	⇒ 0
DRILLTEQ V-200	✓	○	○	○	-	✓	-	-	-	4-fold	-	✓	○	✓	-	✓	1	✓	○	○	○	⇒ 0



## Option – Robot Connection

DRILLTEQ V-200 with robot. Safe, precise, automatic handling of workpieces for more efficient production.



### Your benefits at a glance



**More time for value adding activities through maximum technical availability.**



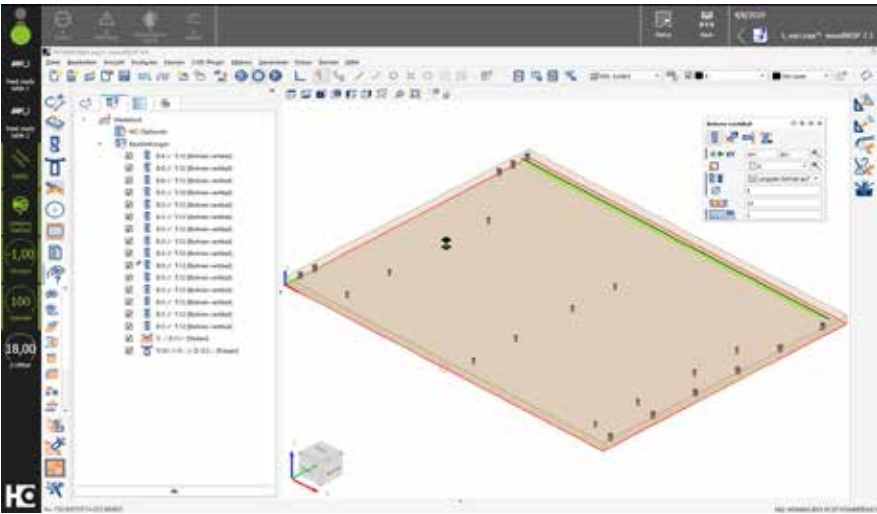
**Perfect solution for future-oriented companies:**

- Self-sufficient processing
- Compact installation area



# All inclusive – Software

**WITH THIS SOFTWARE PACKAGE YOU ARE »READY TO RACE«.** You will receive one of the most established CNC-programming systems, the woodWOP software, which has proven itself by more than 30.000 installations worldwide.



Please use our website!

Worldwide largest forum for woodWOP:  
forum.homag.com

**woodWOP | License Machine**

- Fast and intuitive operation thanks to simple, direct navigation
- Select from a choice of variables for flexible variable programming
- Quickly create individual subprograms
- Increased programming security through 3D images of workpieces, processing and clamping equipment



**Slot assignment**

- Simple control of main machine functions through soft keys
- Graphical configuration
- Automatic mirroring of workpieces



**woodWOP DXF Basic**

- Interface for CAD-Data Import
- Basis to generate woodWOP programs

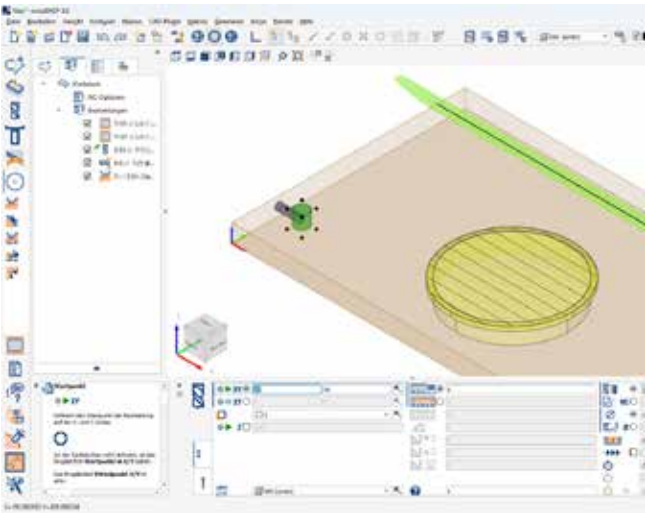


**Machine data acquisition MMR Basic**

- Record quantities and actual operating times on the machine
- Integrated maintenance instructions for optimum time and quantity-based planning, as well as performing maintenance

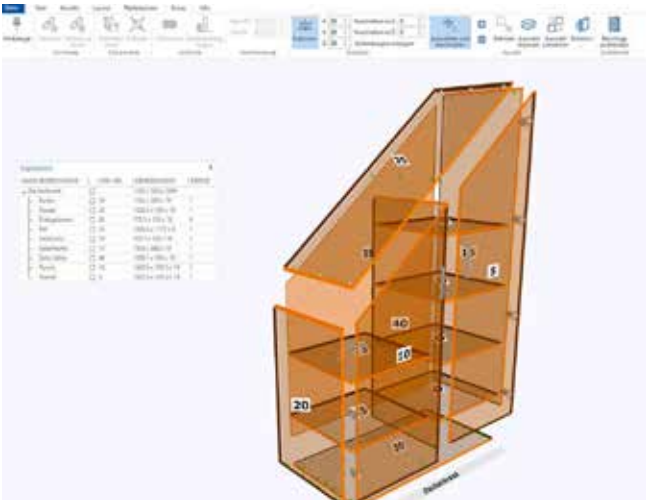
# Option – Software

**WITH ADDITIONAL SOFTWARE MODULES** you can further optimize your processes.



**woodWOP | License Office**

- Single user or network licenses available
- Incl. DXF-Import CAD-Plugin to create your own CAD drawings on the machine and at the workplace



**SmartWOP**

- Powerful CAD/CAM system for individual furniture design
- Seamless connection to HOMAG CNC machines

**ADDITIONAL SOFTWARE**

- 1. woodWOP Office
- 2. 3D CNC-Simulator
- 3. SmartWOP



Package



**3D CNC-Simulator**

- Simulates the processing acc. to the order set in the NC program
- Allows time calculation



## Apps and digital assistants.

### Quick and easy support in your machine environment.

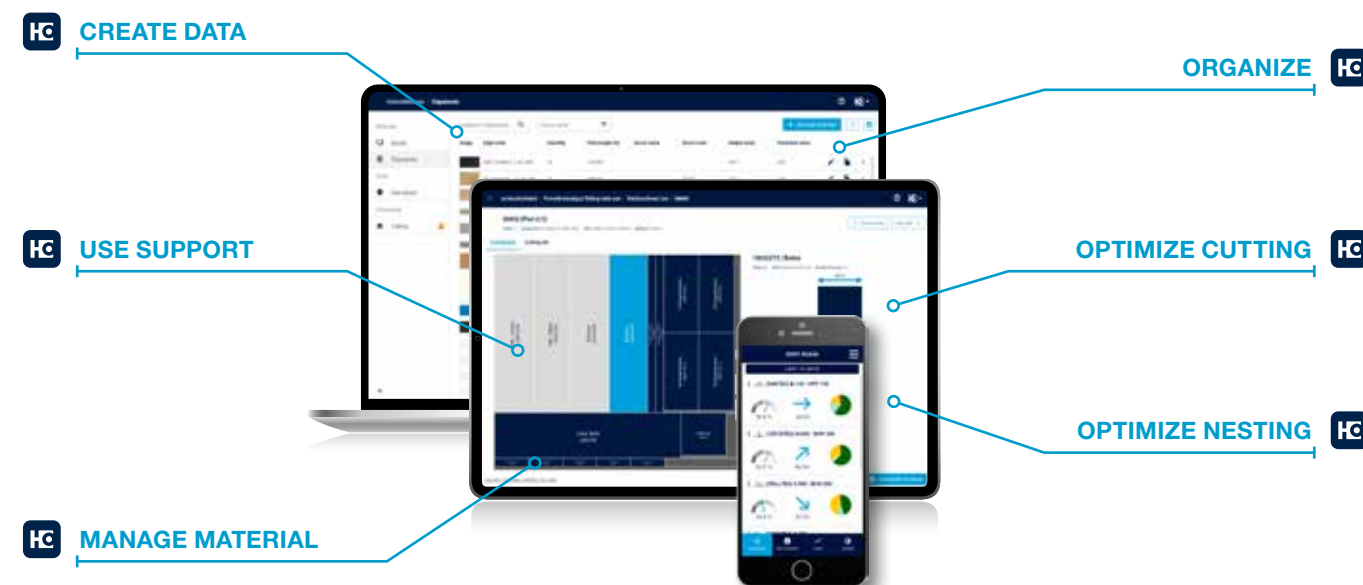
Some people still use pen and paper to create their cutting patterns. But they look at their smartphone if they want to know what the weather is like – instead of looking out of the window. We asked ourselves: why not combine the best of both? Our apps and digital solutions make your everyday work easier: machines, material, tools, cutting patterns, components – you always have everything in your pocket or on your desk.

#### EXCERPTS FROM YOUR FEEDBACK:

- Are there simple solutions that can eliminate various obstacles in my day-to-day work (e.g. when organizing materials or sorting parts)?
- Is there a way to slowly approach using digital assistants?
- Which tools can you try out simply and easily without having to invest huge sums of money straight away?

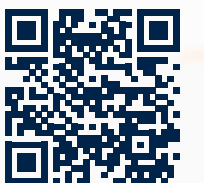
#### OUR ANSWER? SMART AND POWERFUL SOLUTIONS:

- ✓ Always low investment
- ✓ Always up to date (no updates necessary)
- ✓ Always easy to use (no complex software)
- ✓ Always helpful



#### THE ADVANTAGES AT A GLANCE

- No investment, update or maintenance costs  
Low starting price, no unplanned financial expense
- Licenses are independent of the user  
Any number of employees can use the application without incurring additional costs
- Independent of hardware and operating system  
Can be used anywhere, anytime
- Open system – import possible from almost all systems (ERP, industry software, CAD/CAM, Excel, CSV)  
No obligation to use specific software systems
- Simple, smart operation  
Minimal training required
- More efficient production  
Jobs completed more quickly, more safely and in higher quality



More information at  
[digital.homag.com](https://digital.homag.com)



## LIFE CYCLE SERVICES

Improved performance, more efficient processes, faster help, assurance of availability and smarter working

### TEAM & COVERAGE

Largest global service network in the industry with over 1,350 personnel.

### INSTALLATION & COMMISSIONING

For a smooth start, we only let proven experts manage your setup.

### OPERATION & CONTROL

After teaching your personnel the intuitive control system, our clever apps help to make the operator's life much easier.

### MAINTENANCE & SERVICING

To keep things running, we're happy to take a preventative approach. You decide how often and how intensively you want the support to be. As we all know, prevention is better than the cure.

### eSHOP & ONLINE ADVANTAGE

A few clicks and it's fixed. Receive exclusive advantages by ordering spare parts online, depending on market availability. [shop.homag.com](https://shop.homag.com)

### HOTLINE & READINESS

When there's an emergency, we're here. Direct by phone, digitally via app or video, or with on-site support. We are close to you with over 90 regional service organizations worldwide. With more than 35,000 spare parts immediately available, we can deliver 85% of your orders fast.

### TRAINING & EDUCATION

With classroom, live online or eLearning training, we offer flexible options to help you get knowledge. We conduct over 4,000 customer training courses every year, and we even have our own training centers in 19 countries

### MODERNIZATION & IMPROVEMENT

Our modernization program is tailored to your machines and processes. We can evaluate your data and situation and advise you on the next step.

### ANALYSIS & SUSTAINABILITY

On request, we analyze all your processes with proven tools and procedures (LeanSixSigma). We have a large, certified team of experts for this purpose.

### FINANCING & CONSULTING

We offer you tailor-made financing concepts worldwide. With more than 60 years of experience and a close partner network of prominent banks and insurance companies to help us to find the right solution for you, we're always transparent and reliable in processing.

### Fast support:

94% resolution rate via our hotline

### Close to you:

1,350 service experts worldwide

### We get things moving:

Over 1,000 worldwide spare parts shipments each day

### No one else has that:

Electronic documentation on over 150,000 machines, available in 28 languages



Technical Data



\* A corresponding safety distance must be maintained in the in and outfeed direction! (See documentation)

TECHNICAL DATA			
Workpiece dimensions max.	L x W x T	mm	2,500 x 850 x 60 / optional 3,050
Workpiece dimensions min.	L x W x T	mm	200 x 70 x 12
Vector speed		m/min	(X - Y) 50 - (Z) 15
Compressed air required		bar	7
Compressed air connection		inch	R 1/2
Dust extraction port		mm	Ø 160
Dust extraction volume		m³/h	min. 2,170
Electrical power – total connection load		kW	11,5
Total machine weight		kg	approx. 1,580







**HOMAG Group AG**

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www.homag.com

**YOUR SOLUTION**