

CENTATEQ P-100

CNC processing with speed and precision.







Quite fast, user friendly and improves productivity.

Due to their compactness and productivity, the machines of this series are ideal for small and medium-sized enterprises specializing in the production of cabinet furniture. The machine concept is based on compact technology, smaller footprint, and machine-oriented user-friendly control.

YOUR SOLUTION

INDIASHOP.HOMAG.COM



For all sales enquiries ring +91 080 69495656
If you have any questions or are uncertain as to who you should contact, please email us.
Info-India@homag.com

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CENTATEQ P-100

Quite fast, user friendly and improves productivity.

The CENTATEQ P-100 is a highly efficient CNC Processing center and comes with a compact 2450 mm length, routing up to 1600 mm in Y direction and a software optimized working field.

Its automatic tool changer and integrated tool management system optimizing CNC operations and maximizing output. With a strong focus on precision and durability, this machine is built to deliver top-notch results consistently. With its compact design and efficient features, the CENTATEQ P-100 is the perfect choice for small to medium-sized cabinet furniture workshops. It provides reliability, productivity, and operator-friendly functionality while minimizing space requirements.



HIGHLIGHTS

- Versatile processing center with 4-zone stacking feature
- Routing up to 1600 mm in Y direction and a software optimized working field
- Variable processing speed and configurable drill blocks with grooving saw
- Quick and effortless positioning of the vacuum cups
- Automatic spindle clamping system for precise depth
- Integrated access to woodWOP with a massive collection of CNC programs
- Flexible and customizable for multiple configurations

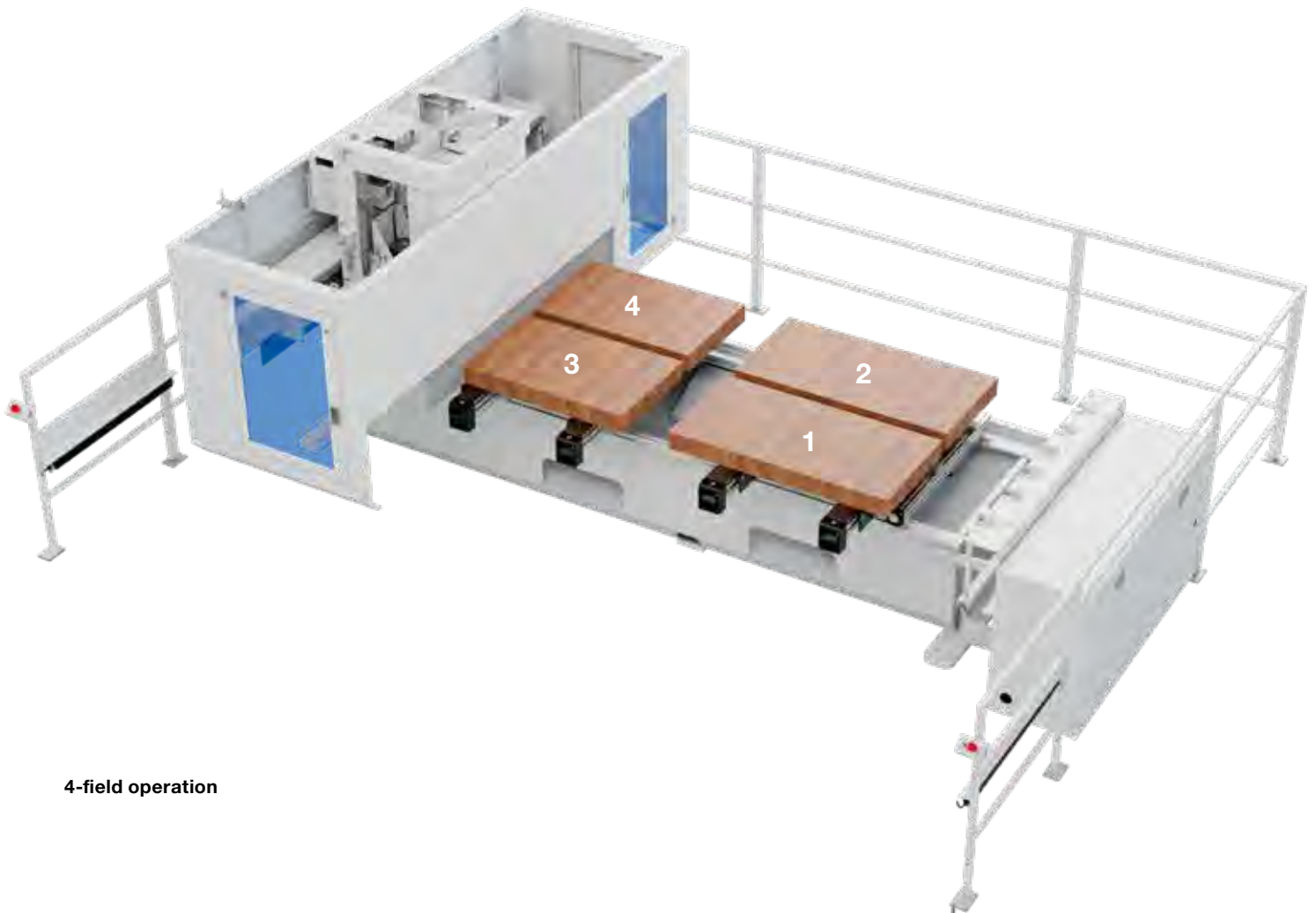


Work fields

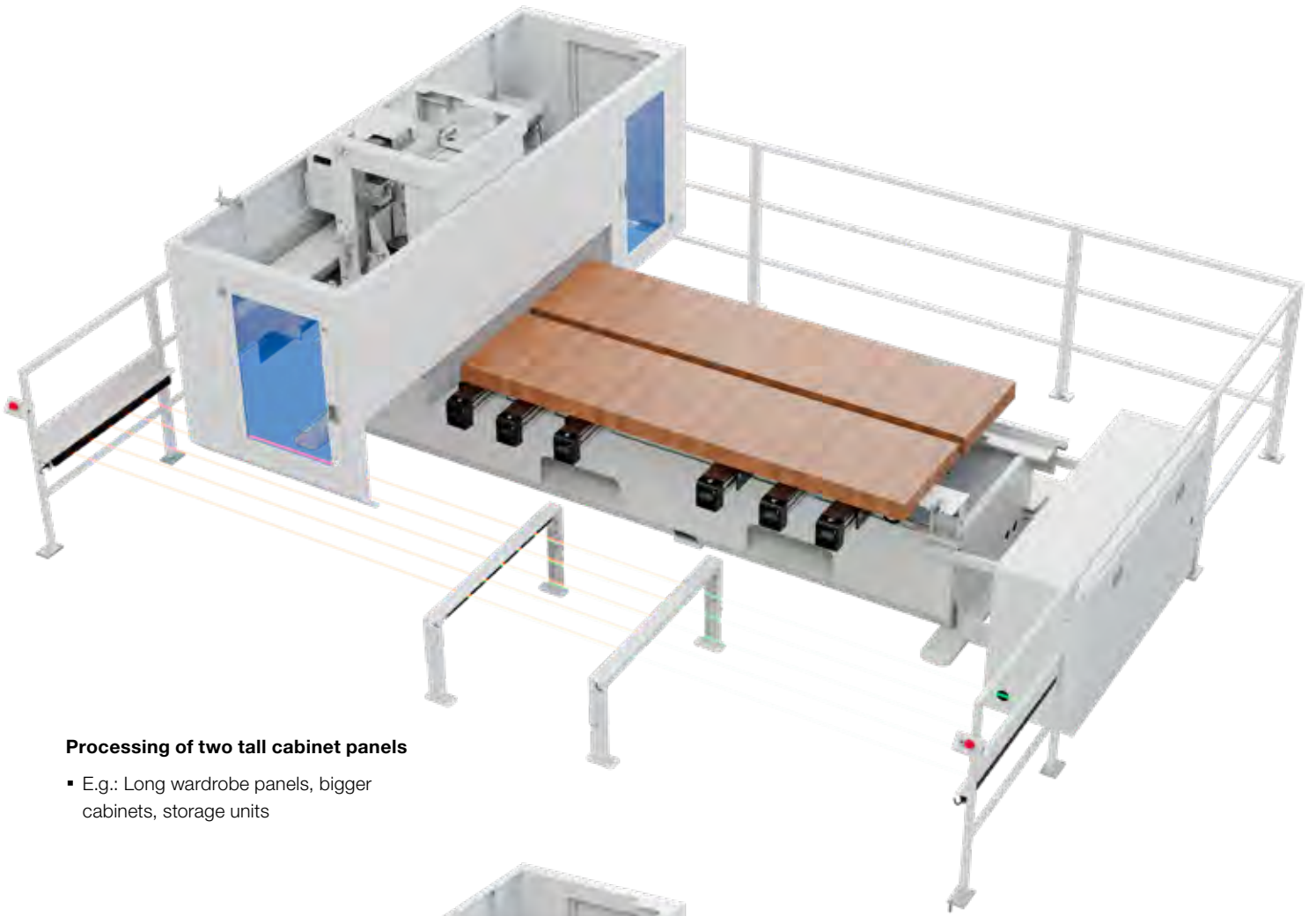
User friendly. Higher output. Save time.

By feeding two work fields at the same time, the CENTATEQ P-100 offers virtually four machines in one. While production is running on one work field, the workpiece can already be prepared for seamless further processing on the second. This guarantees high availability and highly flexible production. The machine running time can be

extended up to almost 75%. Work interruptions such as breaks or downtimes are reduced to a minimum. Whether flexibility for high variant diversity through batch size 1 production or efficiency through series production – the CENTATEQ P-100 offers the right solution for you.

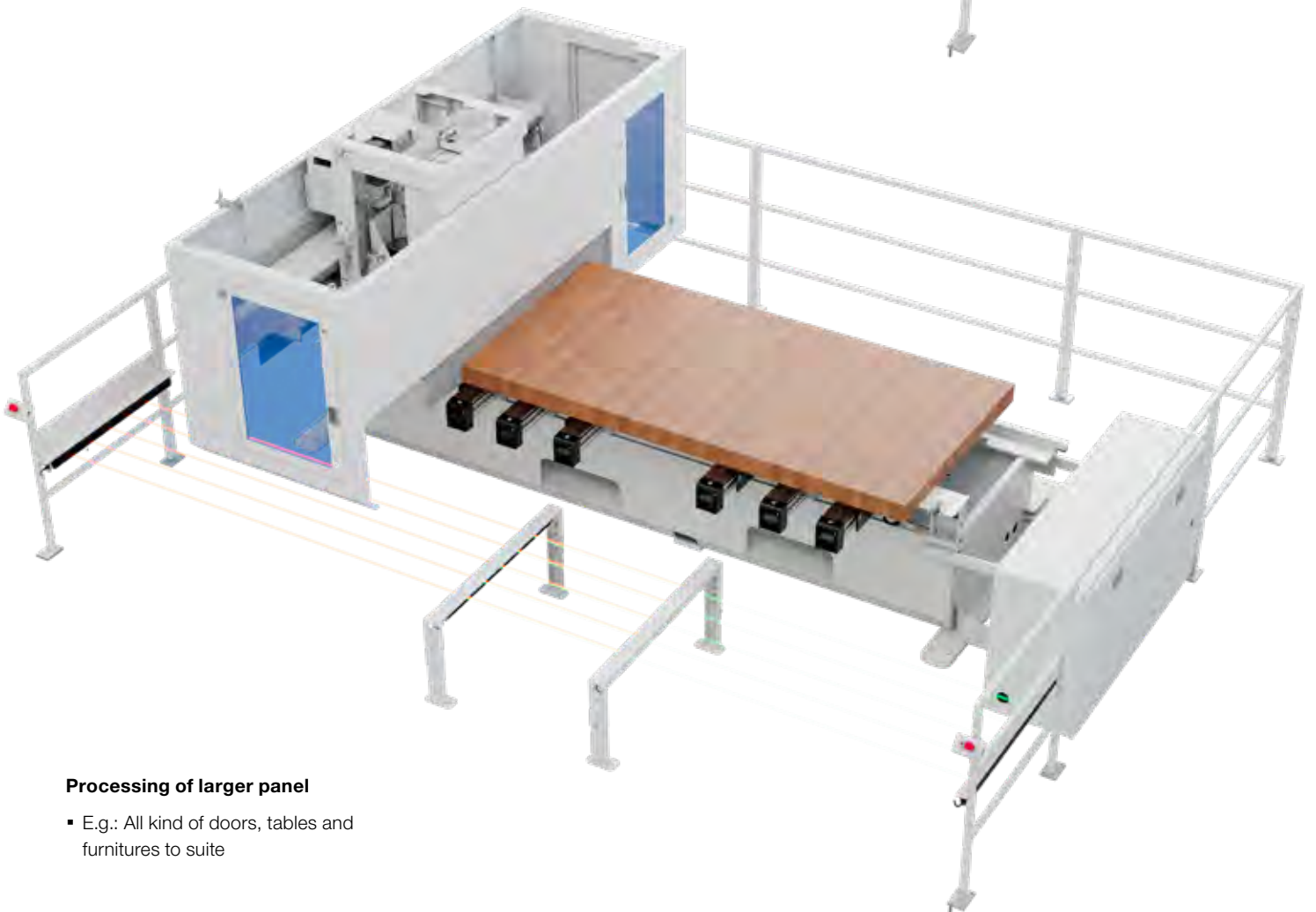


4-field operation



Processing of two tall cabinet panels

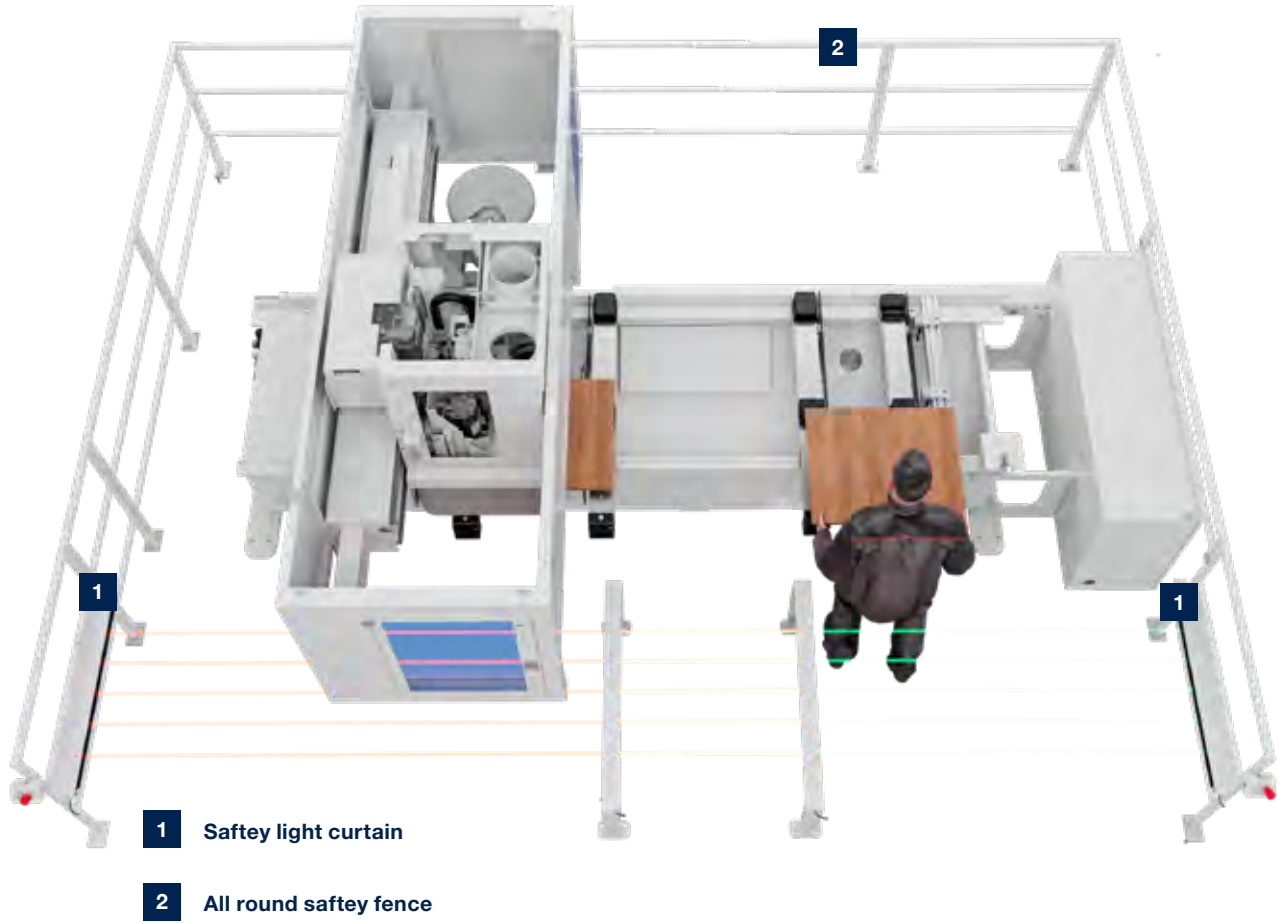
- E.g.: Long wardrobe panels, bigger cabinets, storage units



Processing of larger panel

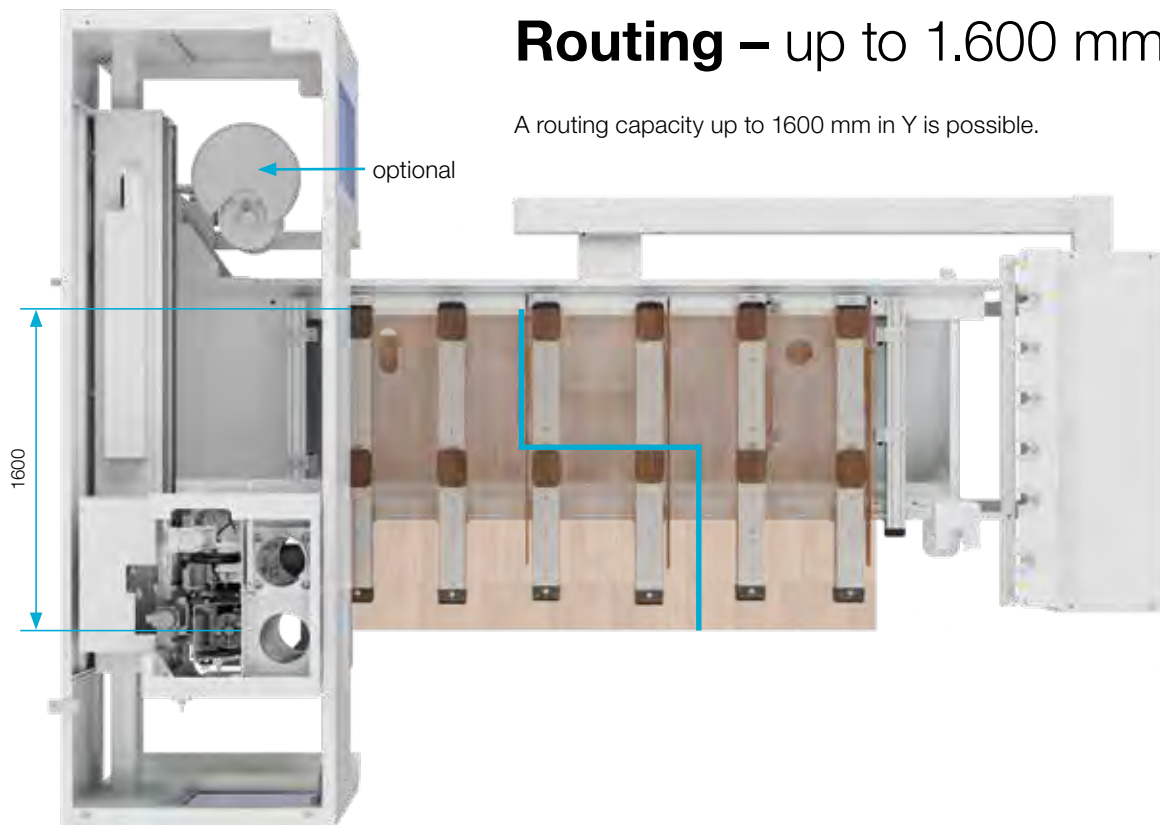
- E.g.: All kind of doors, tables and furnitures to suite

Safety features



Routing – up to 1.600 mm

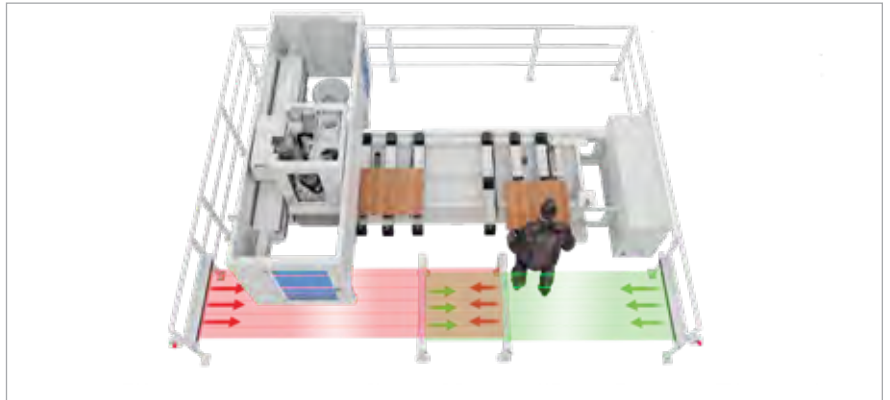
A routing capacity up to 1600 mm in Y is possible.



Handling – 2-Field/4-Field Operation

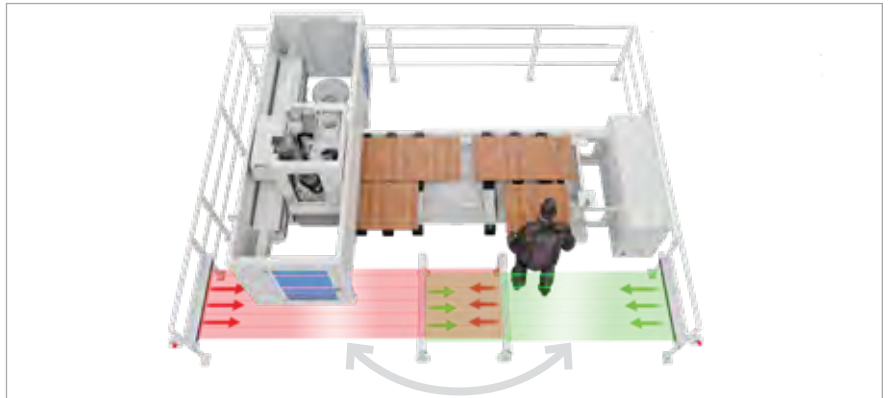
2-field operation

- Processing with one row of stops
- 1 piece left side / 1 piece right side
- 2-field operation if you have only 1 row of stops or larger work pieces than 610 mm width



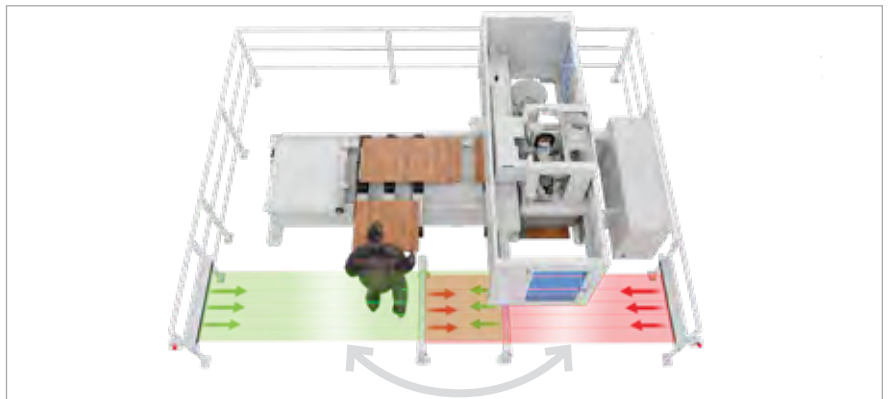
4-field operation – Step 1

- The operator can feed in two workpieces (2 x max. 610 mm) on the right side, while the CENTATEQ P-100 processes two workpieces on the left side
- 4-field operation – realized via the second row of stops



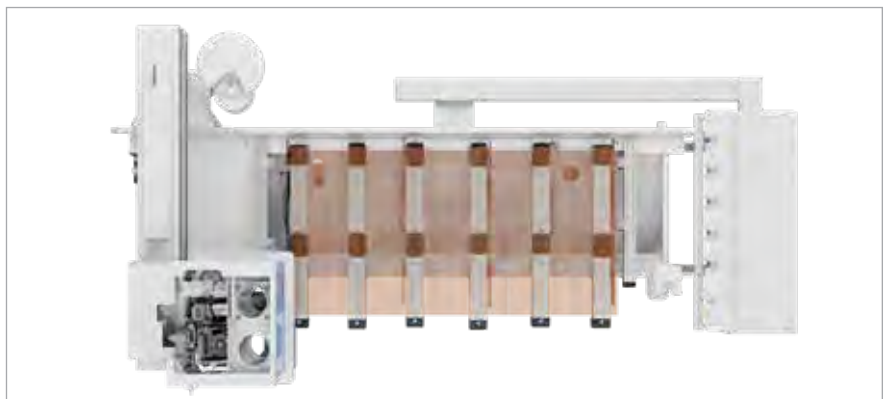
4-field operation – Step 2

- Optimized processing for all four workpieces. The integrated software tool „Optimization of Space Occupation“ saves up to 12% time.



Optional 6 number consoles (K-tables)

- K-tables can be configured with 4 or 6 numbers based on the functional requirement



Quality: today for tomorrow

HIGH STANDARDS: You require a suitable basis in order to provide highest performance. We rely on high-quality and proven components, so that you are perfectly equipped right from the beginning.



Controlled dust extraction channel

- The moveable channel realizes a very efficiency dust extraction – active where it is needed



Sealed energy cable

- Secure and protected cable guide (X-Y)



Linear guiding system

- Long-lasting linear guiding system with cover and plastic sealings
- High-quality protection against dust and dirt
- Provides sustainable exactness



Operator terminal

- powerControl with powerTouch
- 24" Full-HD multitouch display
- USB frontside bus
- Ethernet connection 10/100 Mbit

Accurate and safe with the console table

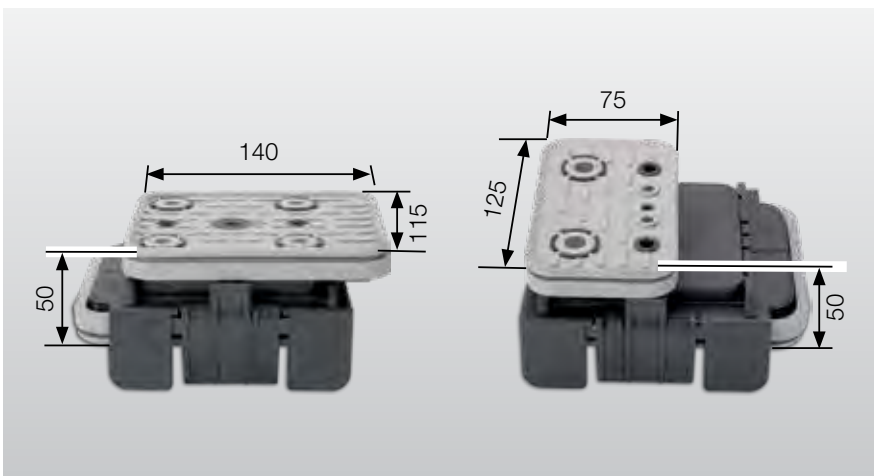
Thanks to the patented system of solenoid valves, vacuum suction units and other clamping equipment can be used in any number and in any location on the consoles. Application-optimized stops and insertion aids ensure precise placement and positioning of the components.



1 Consoles with vacuum cups

2 Workpiece feeding rail
 ▪ 4 solid feeding rails to ease »sheeting« of heavy workpieces

3 Measuring tape
 ▪ For positioning of suction



12 vacuum cups

4 narrow vacuum cups



Electronic cylinder surveillance

- Enhanced security with the electronicsurveillance of lower cylinder positions at all integrated stops

Tool changer systems

Simple flexibility

All neatly stored away for quick access. Tool changers provide the basis for the flexible deployment of tools and units, also for large saw blades or heavy processing tools.



Linear tool changer

- Fixed 5-position linear tool changer with tool pickup slot

Routing spindle



Configuration

- Powerful 12 HP (9 kW) HSK routing spindle
- Optional spindle with interface for C axis

”

Our new CENTATEQ P-100 is fast and user friendly and has improved the productivity in our factory. We use it for the manufacturing of interior fittings, for design work, for all kinds of architectural work where we are grooving or milling. We give the raw material into the machine and, depending on the application, it can be tuned to produce the optimum output. Applications can be done more freely, it is faster, and you can manage your output.

Mr. Abraham O. K., Managing Director
Mysore Light & Interiors Private Limited

Options



8-fold tool changer (optional)

- Moving in X-direction



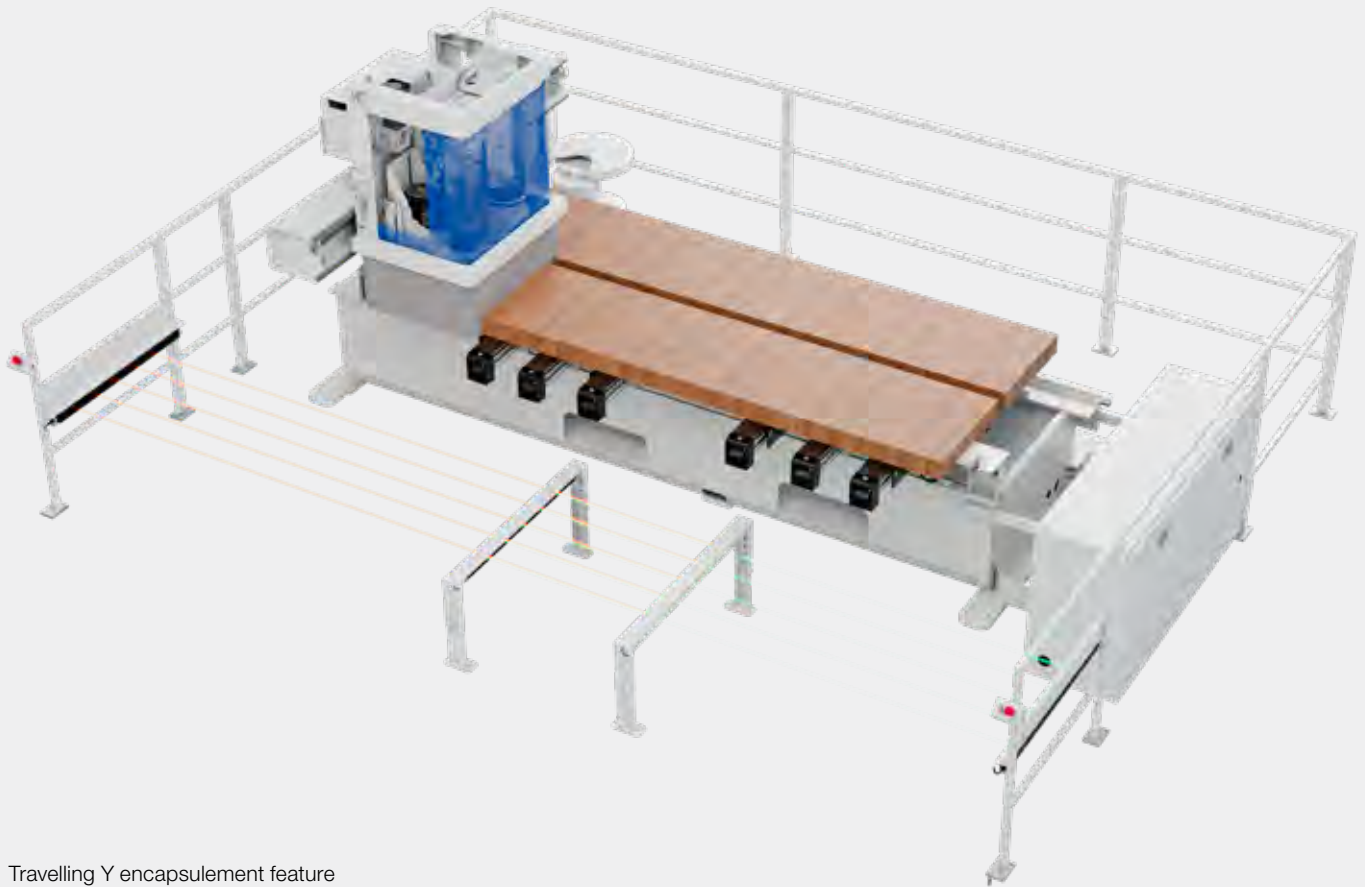
Tool pick-up station

- Secure and quick fitting of the toolchanger



Vacuum connections (optional)

- E.g. for templates and clamp type multi clamps



Travelling Y encapsulement feature



Laser positioning (optional)

- Simple positioning of the vacuum cups through the pin laser

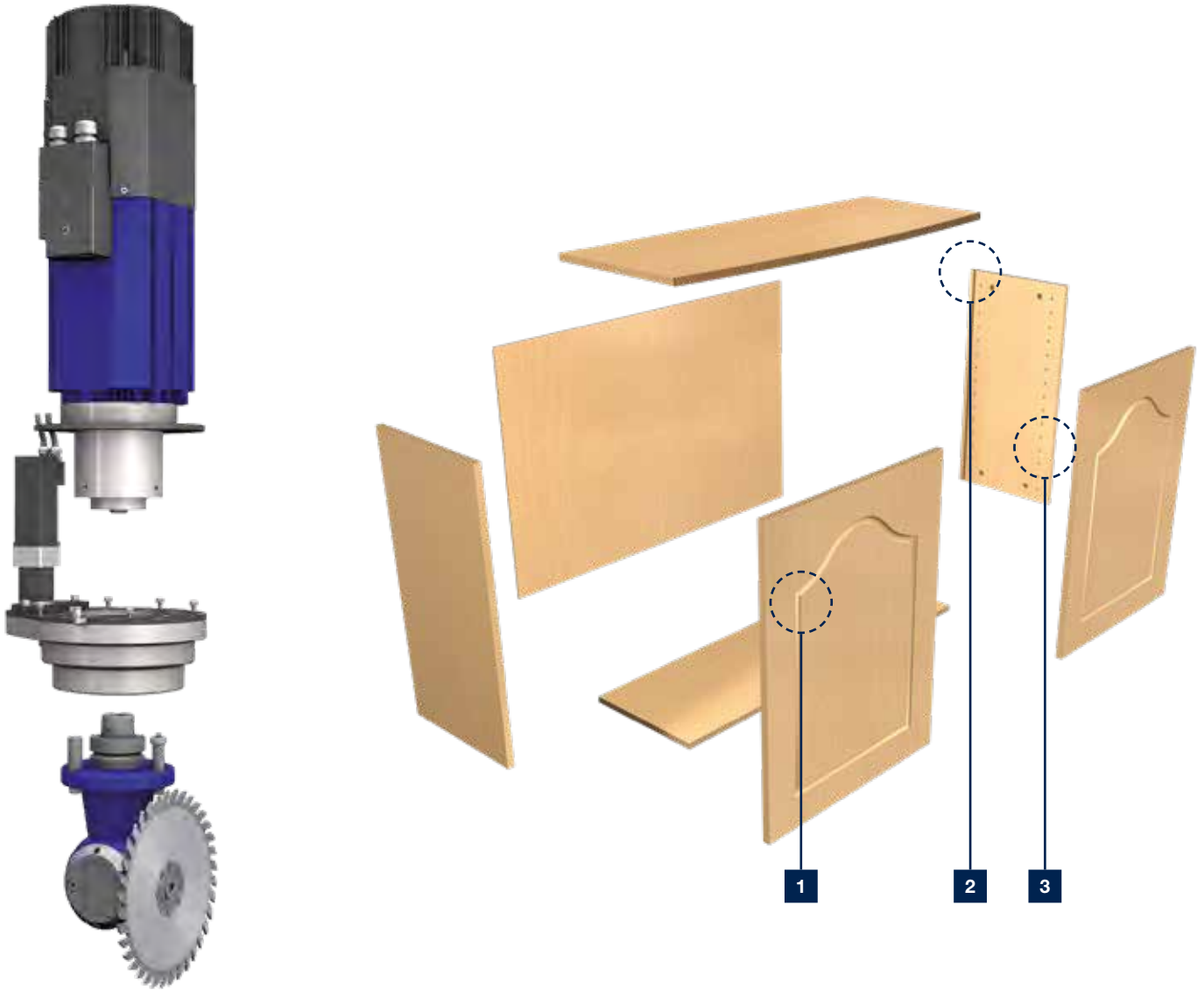


Multi clamping system (optional)

- E.g. for frame and narrow parts

Option: C-Axis – get the aggregates!

Range of modular units for flexible working



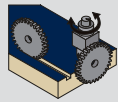
1



Trim a decorative groove



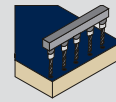
2



Saw the groove for the rear wall



3



Hole series for shelves



Lock case machining

- Using the example of a room door with a light cutout



Holes for hinges

- Using the example of a door with rebate



Sanding edges

- Using the example of a stair tread



Options: Aggregates

Sawing, drilling, trimming – at the highest level of perfection



Drilling/trimming unit, four spindles

Four different drilling and trimming tools are available without a tool change via the four-sided spindle outlet. Continuous shaft for increased rigidity and processing without changing the direction of rotation when using left-rotating and right-rotating tools, e.g. for cut-outs for door hinges. Available in two lengths.



Saw/drilling and trimming unit as standard or high performance

Combination unit for using two tools for drilling, trimming and sawing without a tool change. The robust and compact design also enables trimming at a tight angle to the workpiece and a cutting depth of up to 80 mm, 75 mm or 55 mm. The maximum usable tool length for trimming and drilling is 85 mm, 70 mm or 50 mm. Available in two lengths.



High-performance sawing/drilling and trimming unit

This combination unit in high-performance design offers greater power reserves and is also suitable for the continuous use of two tools for drilling, trimming and sawing. The maximum cutting depth is 80 mm or 75 mm. The maximum usable tool length for trimming and drilling is 85 mm or 70 mm. Available in two lengths.



Swiveling sawing/drilling and trimming unit as standard or high-performance version

For saw cuts at an angle of 0° to 90° and bore holes or trimming at an angle of 0° (vertical) to 100° (horizontal). This enables custom-fit shift cuts, bore holes and trimming. The high-performance version offers sufficient stability even for light trimming work. Depending on the unit design, the cutting depth for a vertical saw blade is 50 mm or 70 mm. At a saw blade position of 45°, there is a cutting depth of 43 mm or 63 mm.

Options: Aggregates

Cutting, chiseling, sanding – innovative units expand the possibilities of CNC processing centers.



Belt sanding unit

For sanding edges as well as outer and inner contours >1000 mm for furniture parts, stairs, doors. Sanding belt width of 100 mm and integrated blowing nozzles. The unit can be oscillated automatically in the Z height via the woodWOP program. This ensures an optimum sanding pattern, avoids the formation of tracks and results in low consumption costs.



Sanding unit with blowing nozzle

For sanding solid wood or MDF boards. The grinding wheels are picked up via a DIN clamp and continuously cleaned with compressed air via a blowing nozzle. This increases the service life of the sanding materials and improves the quality of the workpiece surface.



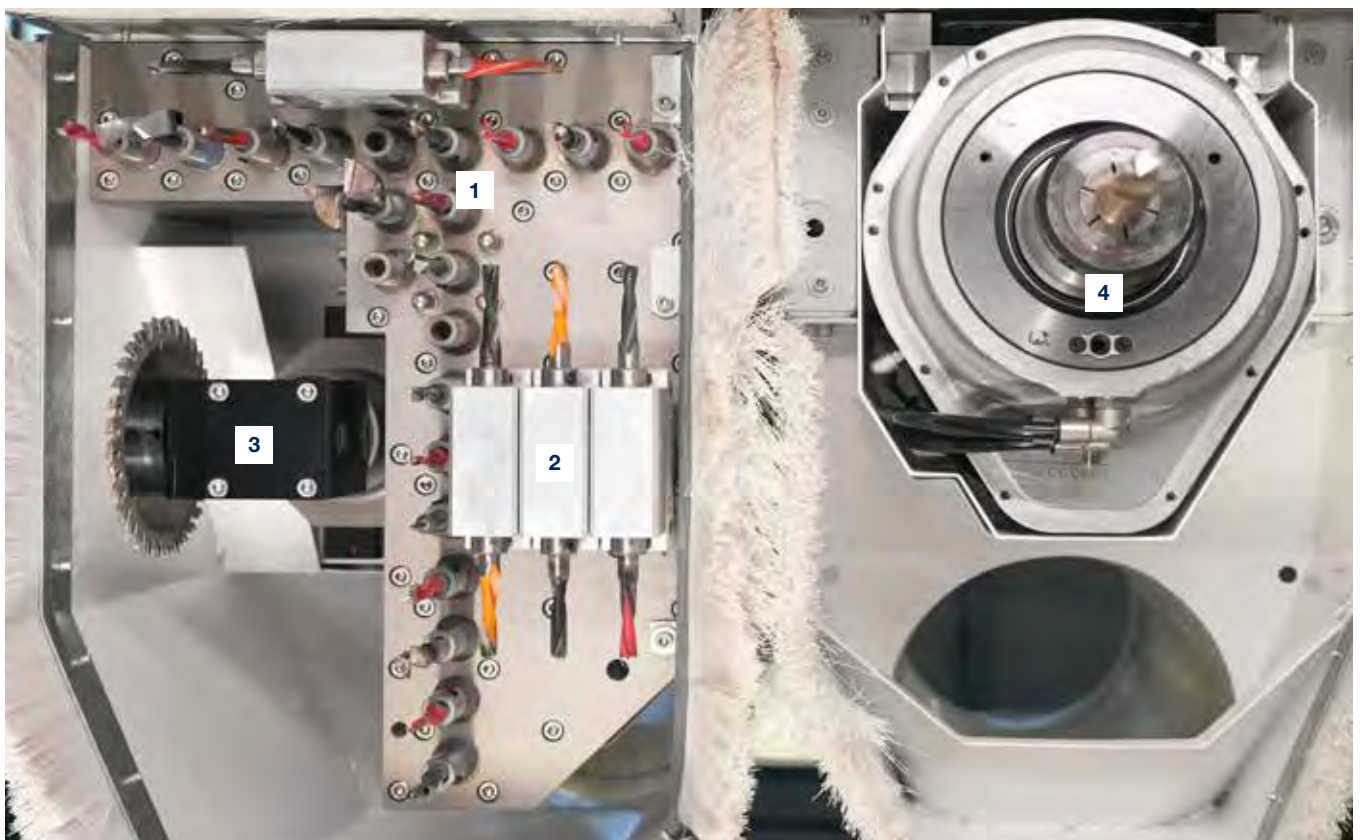
Eccentric sanding unit

Sanding unit for the smoothing and sanding of molded parts and edges. Ideally suited for use in five-axis processing centers. With commercially available components with a diameter of 125 mm, the grain size of the sanding equipment and the flexibility of the disc can be easily adapted to the application.

HOMAG drilling technology: The best of the best

High-speed drilling technology, patented clamping of the spindle and quick-change system for tools. Precise drilling, fast cycles, maintenance-free and durable construction.

Additional optional attachments expand the machine's range of applications.



1 Vertical drilling spindles

2 Horizontal drilling spindles

3 Grooving saw

4 Routing spindle

Available versions:

Drilling gear V8

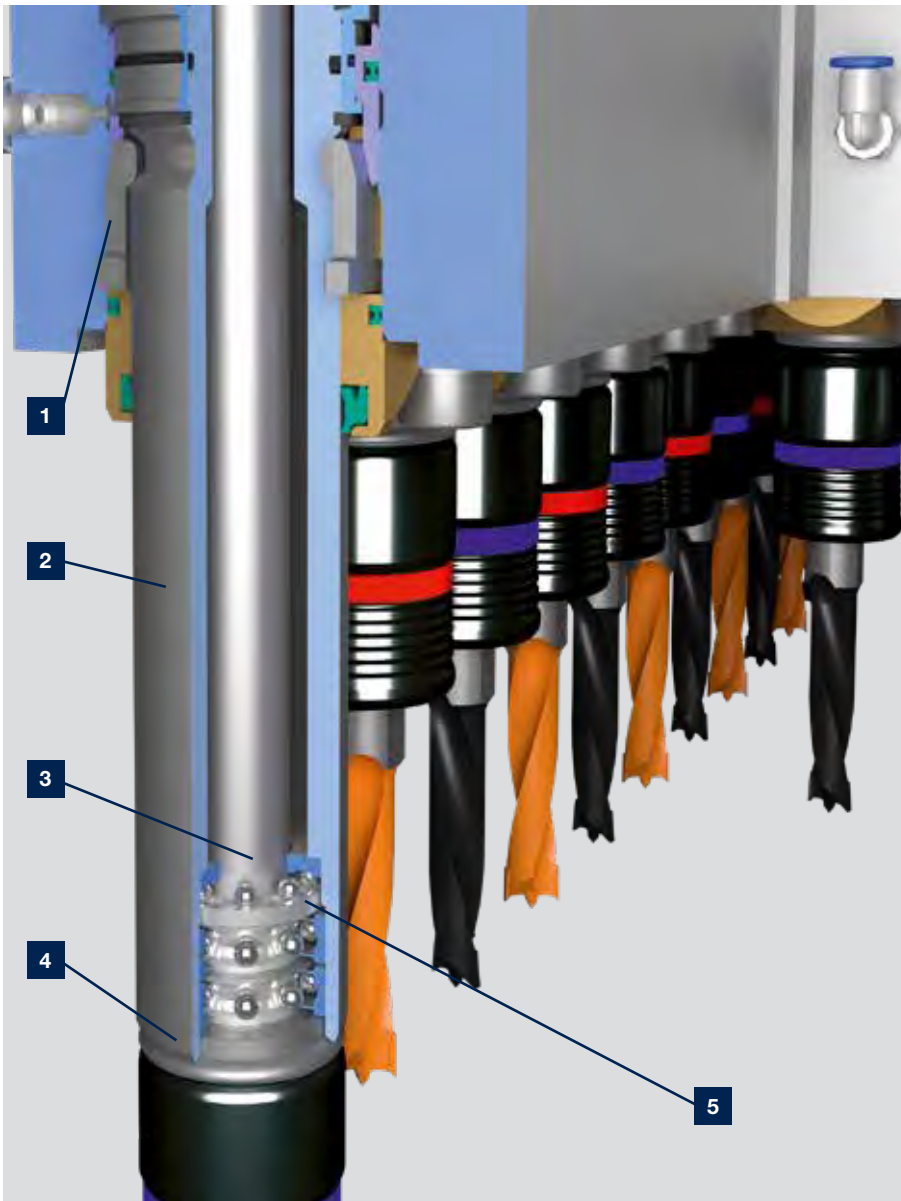
- 14 drilling spindles [High-Speed 7500]
- 8 vertical drilling spindles
- 4 horizontal drilling spindles in X
- 2 horizontal drilling spindles in Y
- Grooving saw Ø 125 mm (0°)

Drilling gear V12

- 18 drilling spindles [High-Speed 7500]
- 12 vertical drilling spindles
- 4 horizontal drilling spindles in X
- 2 horizontal drilling spindles in Y
- Grooving saw Ø 125 mm (0° / 90°)

Drilling gear V21

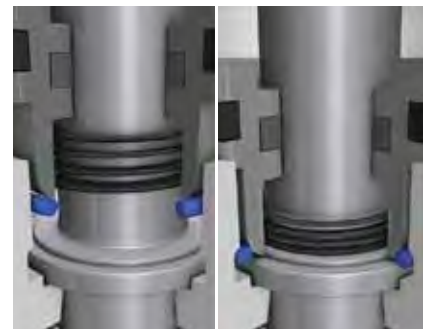
- 31 drilling spindles [High-Speed 7500]
- 21 vertical drilling spindles
- 6 horizontal drilling spindles in X
- 4 horizontal drilling spindles in Y
- Grooving saw Ø 125 mm (0° / 90°)



- 1** Spindle lock for accurate drilling depth
- 2** Double-acting cylinder: Forward and return stroke of the spindle with pneumatics
- 3** Large diameter of the sleeve and short and constant distance of the drill bit to the bearing for high lateral stability and high precision
- 4** Vertical sleeve: The vertical drill sleeve is installed, the drilling spindle is housed in the sleeve
- 5** Separate axial bearing to absorb the direct drilling forces



Weldon change system for a drill change with tools



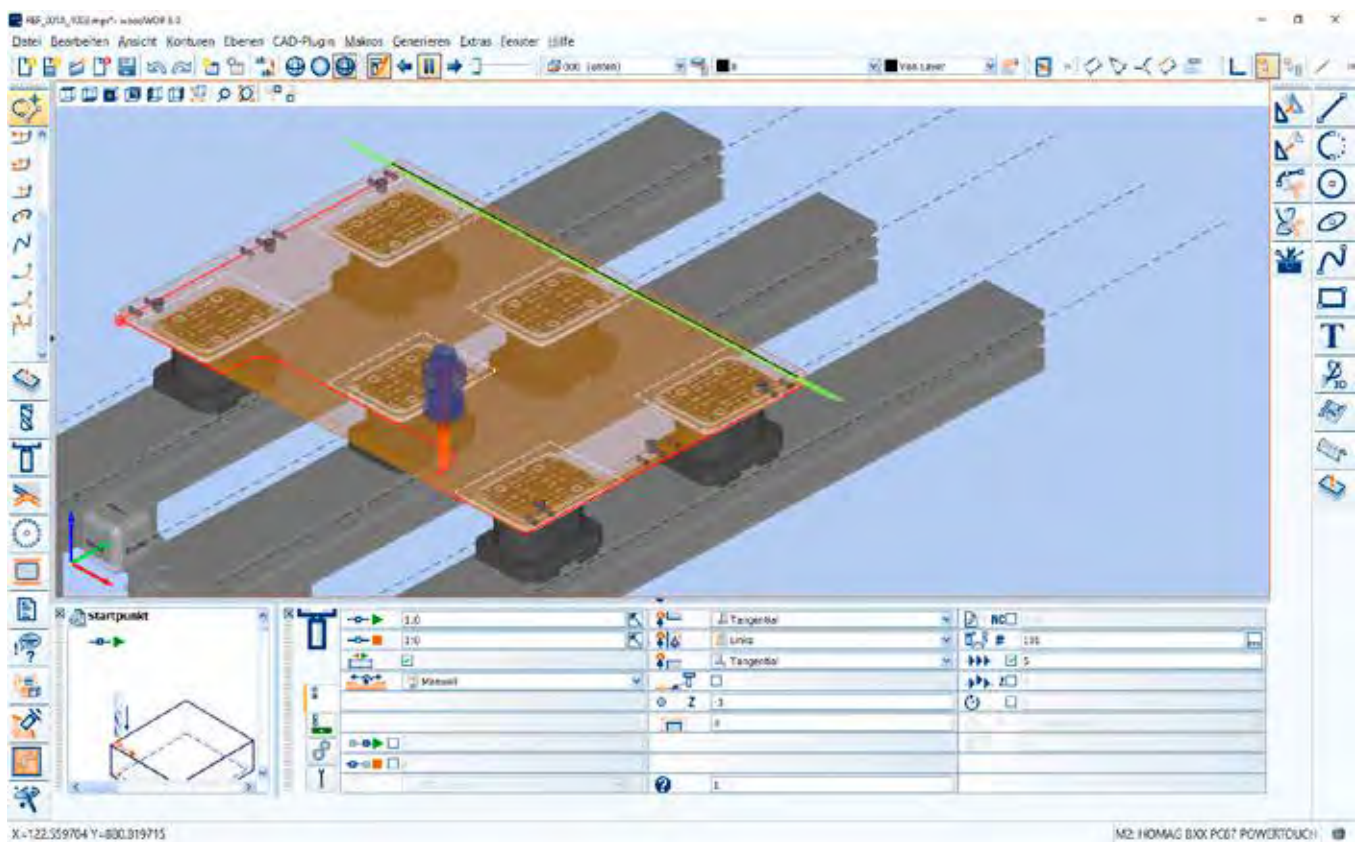
Automatic spindle lock — patented system for a drilling depth that is always accurate for numerous different materials. With speeds from 1500–7500 rpm for high feed speeds or short drill cycles.

HOMAG software solutions

The basis for simple and efficient operation

Our processing centers are one thing – the software to operate them conveniently and easily day-to-day is another. HOMAG software and control modules ensure maximum flexibility and operational safety. Naturally with HOMAG:

Interfaces to external programming and construction systems, auxiliary programs for nesting and modules for machine monitoring and performance tracking.

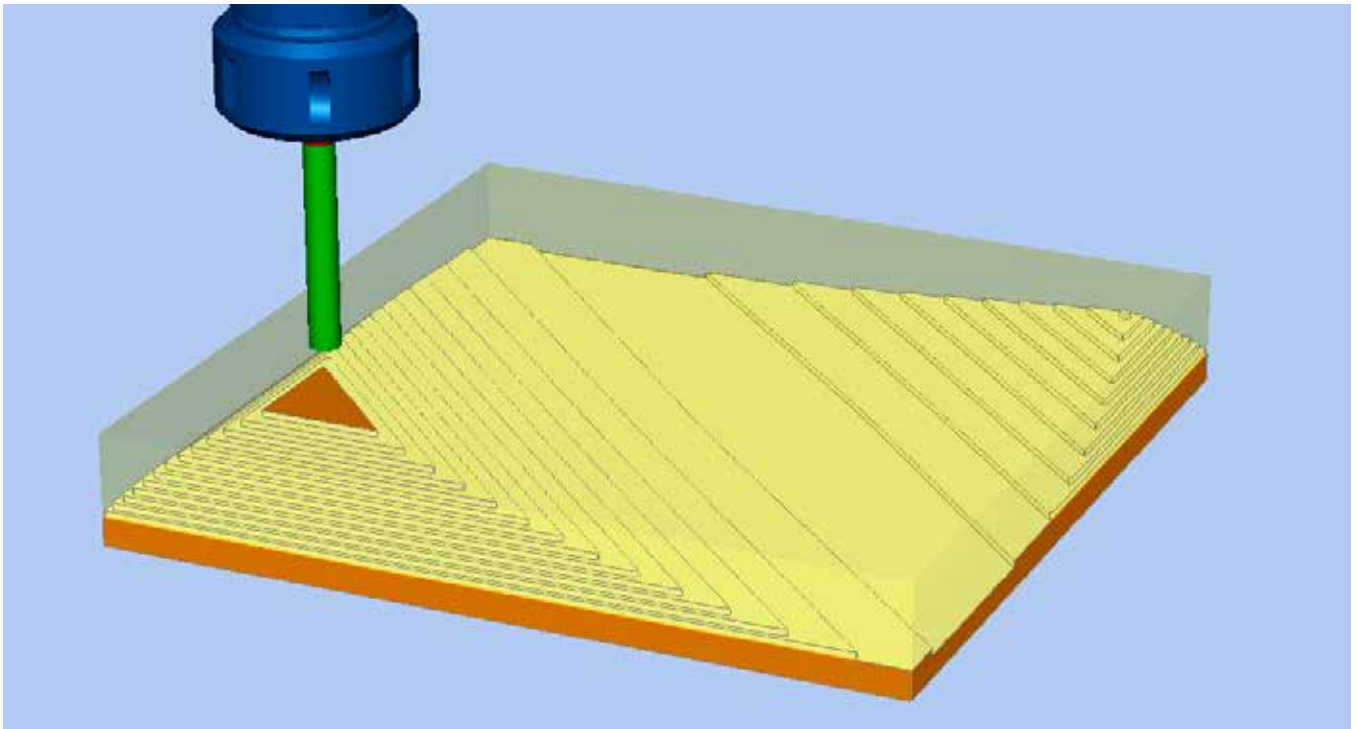


woodWOP — efficient thanks to fast programming

- 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
- Very easy to use through infinitely adjustable windows, multi-screen capability, language-neutral input screens, help images, etc.
- The largest online forum for CNC programming is: forum.homag.com

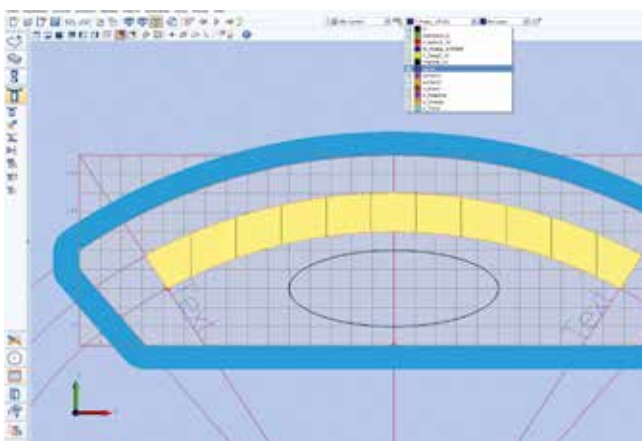


More information
you find on our website in the brochure
»Software from the HOMAG«



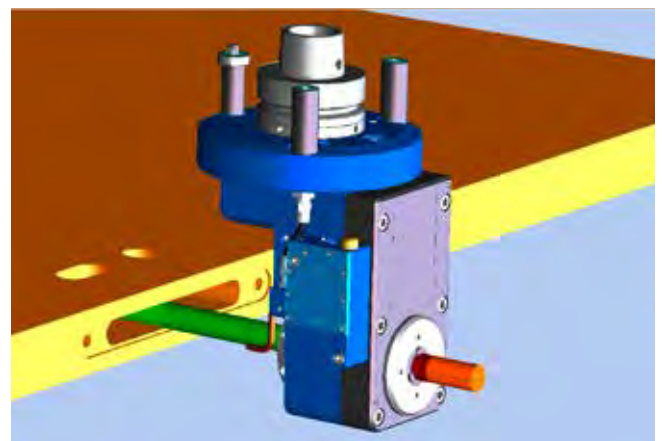
woodWOP CAM-Plugin

- CAD/CAM functions directly integrated into woodWOP
- Easy and fast import of 3D models or creation of 3D surfaces via integrated CAD plugin
- Automatic generation of the milling paths for roughing, finishing and formatting 3D objects
- Safe work, because the milling paths and the overrun movements are displayed graphically and simulated in woodWOP



woodWOP CAD-Plugin

- CAD functions integrated directly into woodWOP
- Creation of your own CAD drawings on the machine and the work preparation station
- Import of CAD objects in the formats DXF, IGS, STP, STL



woodMotion – processing simulation of programs (optional)

- Optimal program preparation as running-in periods on the machine are reduced
- Simulation of processing including material removal
- Display of the actual processing times and collision monitoring between tool and clamping elements
- Simulation based on a virtual 1:1 image of the machine configuration gives a very accurate picture of the real processing



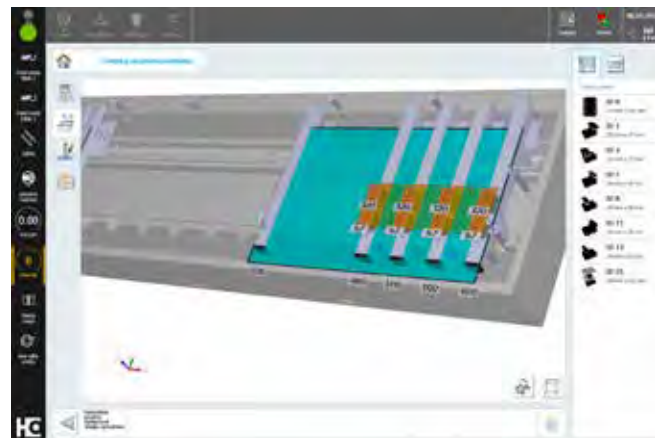
powerTouch PC87 with full touch operation

- 3D view of the machine bed, consoles, suction unit and workpiece
- Simple assignment using drag & drop
- Saving and loading of complete assignment situations
- Automatic location-specific suction unit recommendation with selectable suction unit types
- Manual clamping equipment positioning using touch under consideration of all travel areas



Slot assignment

- Can be operated completely by touch
- Simple assignment using drag & drop
- Preview of the woodWOP programs as a miniature view
- Assignment of parts with different thicknesses
- Saving and loading of complete assignment situations
- 3D view can be freely rotated
- 3D representation of machine bed, consoles, stop cylinders, suction unit and clamp, workpiece and processing



Automatic suction unit recommendation for workpiece or entire table

- Suction unit recommendation with preselection of suction unit types
- Processing tracks as an aid for positioning clamping equipment
- Manual clamping equipment positioning using touch under consideration of all travel areas
- Check of suction units already included in the woodWOP program
- Warning when suction units are not in the correct position



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



woodScout – help in your language

- Optional powerful diagnostic system
- Graphic display of the malfunction location on the machine
- Clear plain-text error messages in different languages
- Adaptive system through the allocation of causes and measures



Graphic tool data base

- Record quantities and actual operating times on the machine
- 3D representation of the tools and units
- Graphic setup of the tool changer using drag & drop



Summary: Configurations

It's your choice. One package available for all current demands. Thus, all requirements are fulfilled.

Axis	Model	Spindle	C-axis	Tool changer		
				5-fold linear tool changer	10-fold linear tool changer	8-fold rotary tool changer
3-/4-axis	Classic	Air-cooled 9 kW	○	✓	-	○
3-/4-axis	Professional	Air-cooled 9 kW	○	-	-	✓



Drilling gear					Laser Cross Hair	Pendulum	Y Encapsulation		No. of consoles (K table)	
Vertical	Horizontal in X	Horizontal in Y	Grooving	Features Type			Full	Local	4 nos.	6 nos.
V8	H4	H2	Ø 100, X	✓	○	○	✓	○	✓	○
V12	H4	H2	Ø 100, X	○						
V21	H6	H4	Ø 125, X-Y	○						
V8	H4	H2	Ø 100, X	✓	✓	✓	✓	○	-	✓
V12	H4	H2	Ø 100, X	○						
V21	H6	H4	Ø 125, X-Y	○						

Standard feature: ✓
 Optional feature: ○
 Feature not available: -

VALYOU

Our Mission, Your Performance.

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

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



HOMAG APAC HOTLINE

We take care of everything for you.

- ✓ Over 90% of faults can be resolved remotely through our hotline!
- ✓ Fixed prices – you always know what to expect!
- ✓ The first 30 minutes are free of charge for each service request!
- ✓ Save 25% of service cost!
- ✓ Faster response time!
- ✓ Real time technical support!
- ✓ Improved routing system – reach the right experts even faster!



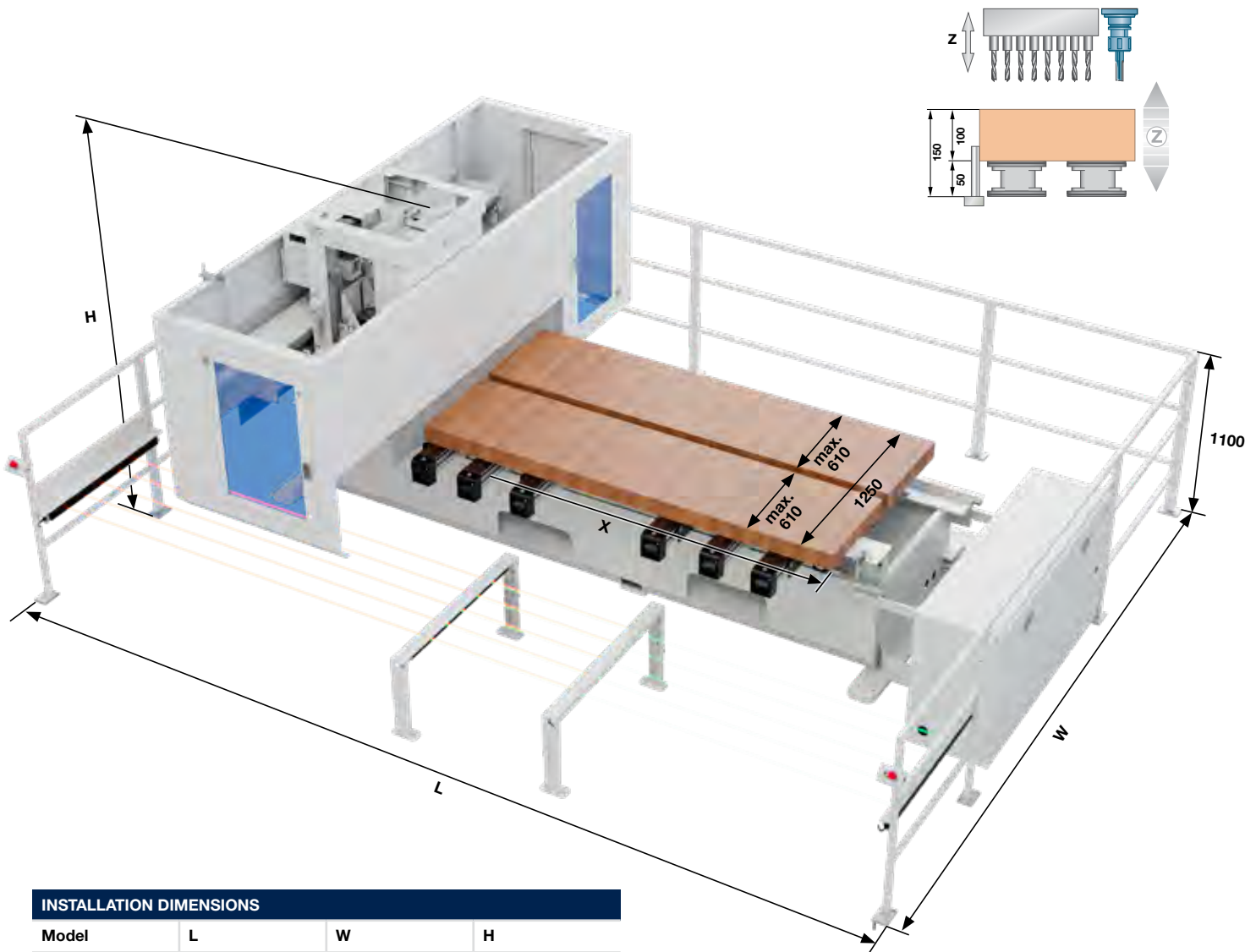
Call Us!

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8:30 am – 5:30 pm IST

service-india@homag.com

Technical data



INSTALLATION DIMENSIONS			
Model	L	W	H
Classic	5810	3500	2070
Professional	6585	3500	2070

mm

TECHNICAL DATA		CLASSIC			PROFESSIONAL		
		X	Y	Z	X	Y	Z
Working field (X-Y-Z)	mm	2450	1600	100	3250	1600	100
Routing (Ø = 25mm) (X-Y-Z)	mm	2450	1600	100	3250	1600	100
Drilling	mm	2450	1355	70	3250	1355	70
2-field operation (along X)	mm	1095					
Alternating operation (along X)	mm	750					
Electrical connection		Voltage 400 V 50 Hz 3 Phases					
Vector speed	m/min	65	50	20	65	50	20
Compressed air connection	inch	R ½					
Compressed air required	bar	7					
Dust extraction port	mm	Ø 200					
Dust extraction volume	m³/h	min. 3170					
Total machine weight	kg	approx. 2500					
Electrical power – total connection load	kW	17,5					
Switch cabinet L – W – H	mm	1560 – 480 – 745					

Technical data and photographs are not binding in every detail. We reserve the right to make changes in the course of further development.



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YOUR SOLUTION

