

DRILLTEQ H-230/330

The 6-sided processing center family.
Single-channel and double-channel models.



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.

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 H-230 DRILLTEQ H-330

The 6-side drilling series DRILLTEQ H-230/330 impress with speed and precision – in workpiece handling as well as in machining. Every drilling and milling operation is set with extreme repeat accuracy. The workpiece surfaces are perfectly protected despite fast processing speeds.

The possibility of processing two workpieces at the same time results in double efficiency and the versatile connection options of the machine bring high flexibility.

With our single-channel and double channel 6-sided drilling series, we provide the perfect solution for your wishes and requirements.

www.homag.com

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Networked worldwide

HOMAG is always at your side

INDIVIDUAL CUSTOMER WISHES, DEMANDING PRODUCTS AND A WIDE VARIETY OF MATERIALS – the needs of your customers are constantly growing. And this means that the challenges for you and your production grow too. Our aim is to offer you the solutions you need to

accommodate the desire for individuality. To produce flexibly and efficiently and set trends in the industry. We support wood processing businesses of any size on their way to the top. With machines and technologies that grow with you – including the right software solutions and service.



German Headquarter in Schopfloch



Everything from a single source.
HOMAG meets all the requirements and wishes for the machines you have today. Handling systems, panel dividing technology, format and edge processing, drilling systems, sanding technology, spray coating and laminating technology, automation systems and software form a complete and innovative range of products and services. You benefit from a high degree of precision, performance and the right technology to ensure absolute flexibility, which you can use to optimize your entire production capacity.



Perfection can be programmed.
The software solutions from HOMAG optimize processes in small and medium-sized enterprises and global industrial manufacturers of furniture. From the first sketch to the final product – our software solutions are perfectly adapted to HOMAG machines. They create efficiency and reliability in the order and production process.



HOMAG Life Cycle Services
The sale of our machines comes with all-in optimum service backup and individual advice. We support you with service innovations and products which are especially tailored to your requirements. With short response times and fast customer solutions we guarantee consistently high availability and economical production – over the entire life cycle of your machine.



International and expert.
With sales partners in over 100 countries, HOMAG has a global presence and is able to offer you a strong partnership. We make your company competitive and your business success long-lasting.



DRILLTEQ H-230

The perfect start in the 6-sides-processing technology

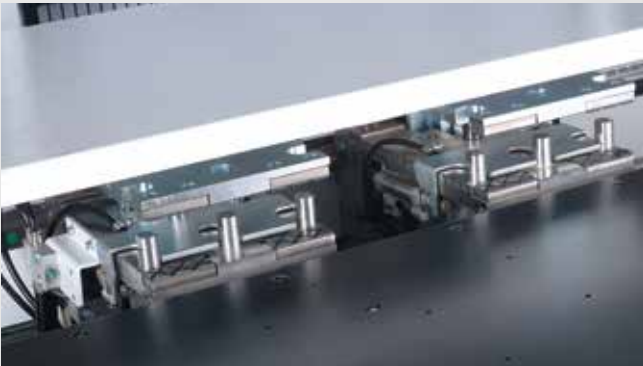
DRILLTEQ H-230 is available for 800 mm or 1,250 mm processing table.
Operation with one working field for precise drilling process at panels in all 6 sides.
High-speed drilling spindles and routers are available.
With optional tool change spindle, more application can be realized on this machine in order for high-level flexibility.



Optional processing table

- 800 mm
- 1,250 mm

- FULL PANEL PROCESSING...**
6 sided-processing along 1 working field
- EVERYTHING UNDER CONTROL...**
2 CNC-controlled clamping devices ensure permanently firm and precise positioning of the workpieces – regardless of the speed
- EASY HANDLING...**
Even workpiece dimensions of Length 250-3,050 and width 60(40)-1,250 mm are easy to handle
- PRECISE IN DEPTH...**
The spindle clamping technology ensures an always accurate drilling depth for all drilling
- CONSTANTLY AT TOP LEVEL...**
The closed straight guiding system is protected against dust and dirt and thus very durable
- MORE PROCESSING POSSIBILITIES...**
Optional top electric spindles with automatic tool changer make processing more possibilities



CNC-controlled clamping system

- Quick and precise – no setting time
- Workpiece thickness up to 40 mm



High-speed processing unit | top

- One drilling block V13, H6X, H4Y, optional routing spindle
- Two drilling blocks V13, H6X, H4Y, optional routing spindle
- High-speed grooving saw unit in X direction



High-speed processing spindle and drilling gear | bottom

- One drilling block V8, processing spindle 3.5 kW



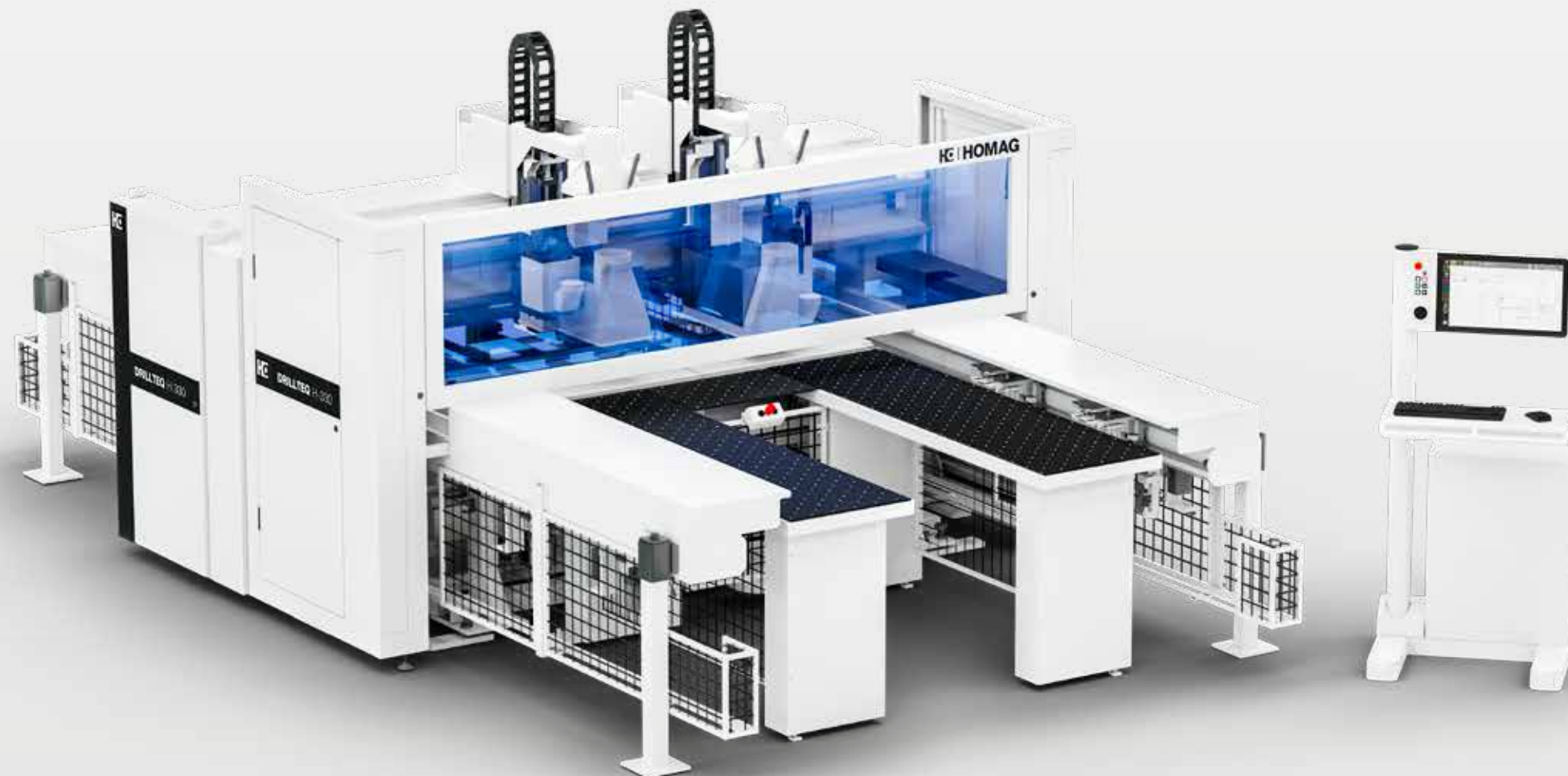
Push-holder device

- Additional support on the side of the workpiece
- Ensuring processing accuracy despite movement and position changes of the clamps

DRILLTEQ H-330

6-sides-processing at its best

By feeding two work fields at the same time, the DRILLTEQ H-330 offers virtually two 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.



FULL PANEL PROCESSING...

6 sided-processing along 2 working fields

EVERYTHING UNDER CONTROL...

4 CNC-controlled clamping devices ensure permanently firm and precise positioning of the workpieces – regardless of the speed

EASY HANDLING...

Even workpiece dimensions of Length 250-3,050 and width 60(40)-1,250 mm are easy to handle

PRECISE IN DEPTH...

The spindle clamping technology ensures an always accurate drilling depth for all drilling

CONSTANTLY AT TOP LEVEL...

The closed straight guiding system is protected against dust and dirt and thus very durable

MORE PROCESSING POSSIBILITIES...

Optional top electric spindles with automatic tool changer make processing more possibilities



CNC-controlled clamping system

- Quick and precise – no setting time
- Workpiece thickness up to 40 mm



High-speed processing unit | top

- Two drilling blocks V13, H6X, H4Y, optional routing spindle



High-speed processing spindle and drilling gear | bottom

- Two drilling blocks V8, processing spindle 3.5 kW

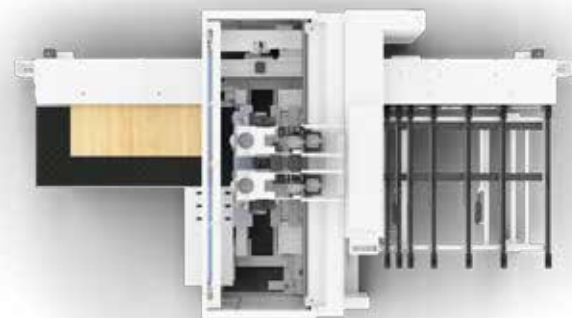


Tool change system (optional)

- Electric Spindle with HSK F63
- 2 x 4-fold linear tool changer installed at machine side

DRILLTEQ H-230

Single-channel operation

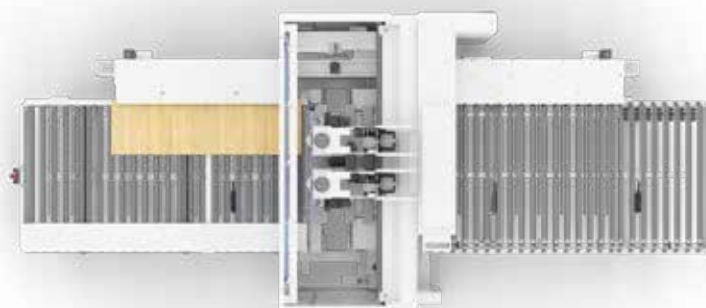


Classic Package – Infeed and outfeed by labour

- Processing can be launched by scanning the bar code
- High flexibility due to manual operation
- In-feed with air-cushion table and outfeed with cross belt

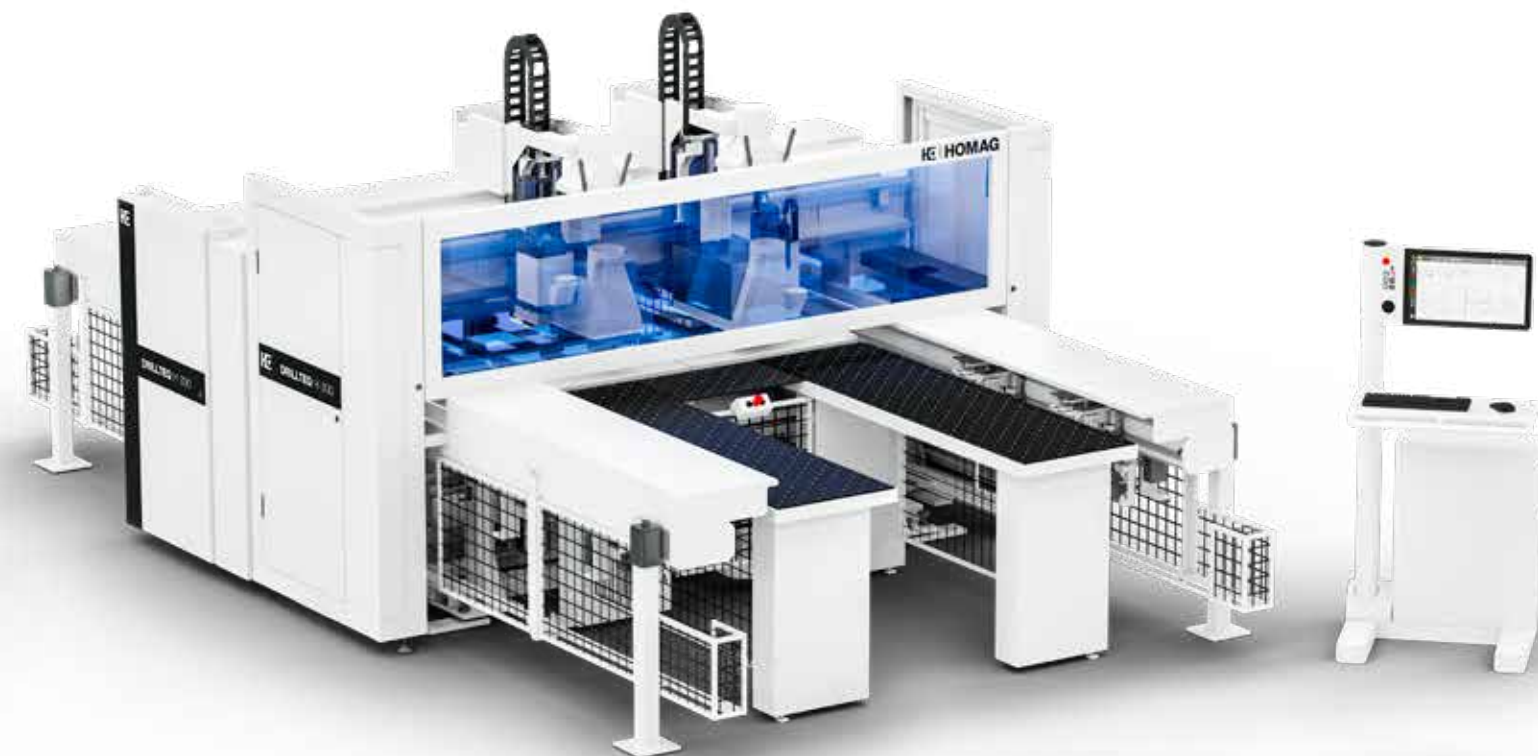
Premium Package – Automate your processes

- Each workpiece is concretely identified for further part flow by means of barcode
- Well suited for medium to high batch processing
- In-feed and out-feed with roller conveyors



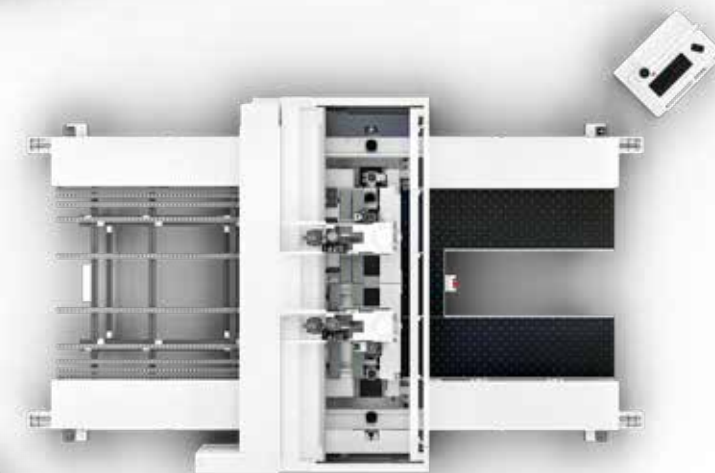
DRILLTEQ H-330

Double-channel operation



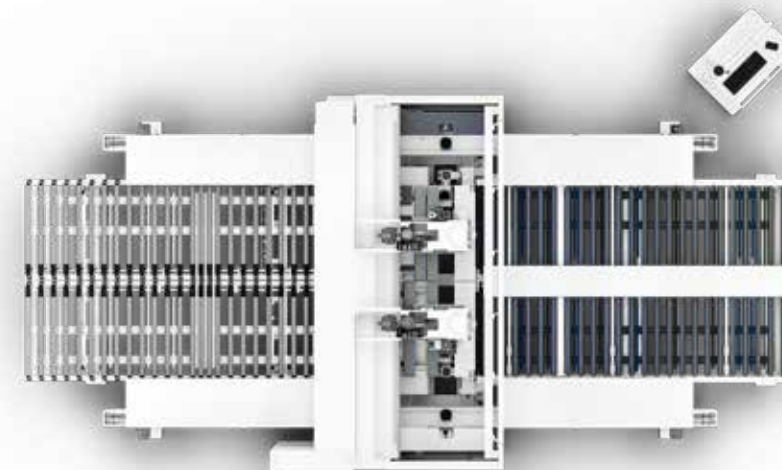
Classic Package – Double labour efficiency

- Processing can be launched by scanning the bar code
- Basis for faster part flow with higher process quality
- In-feed with air-cushion table and outfeed with support table



Premium Package – Automate your processes

- Each workpiece is concretely identified for further part flow by means of barcode
- Basis for faster part flow with higher process quality
- In-feed and out-feed with roller conveyors and the necessary hardware
- Interface for Link to HOMAG simple automation

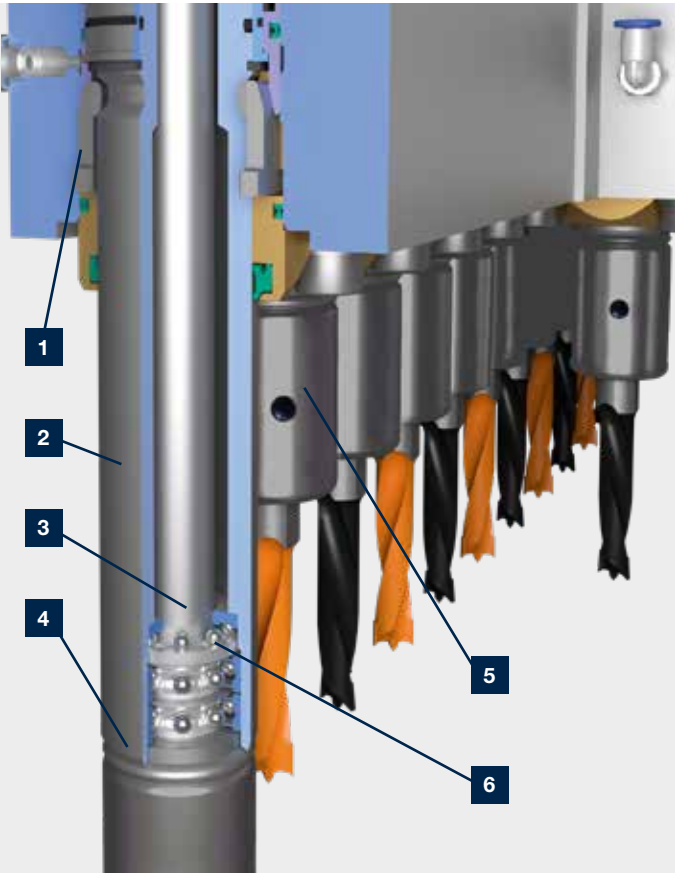


HOMAG drilling technology

The best of the best

High-speed drilling technology, clamping of the spindle for tools. Precise drilling, fast cycles, maintenance-free and durable design.

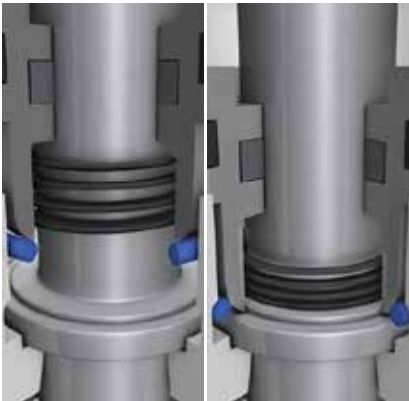
Additional optional attachment units expand the machine's range of applications.



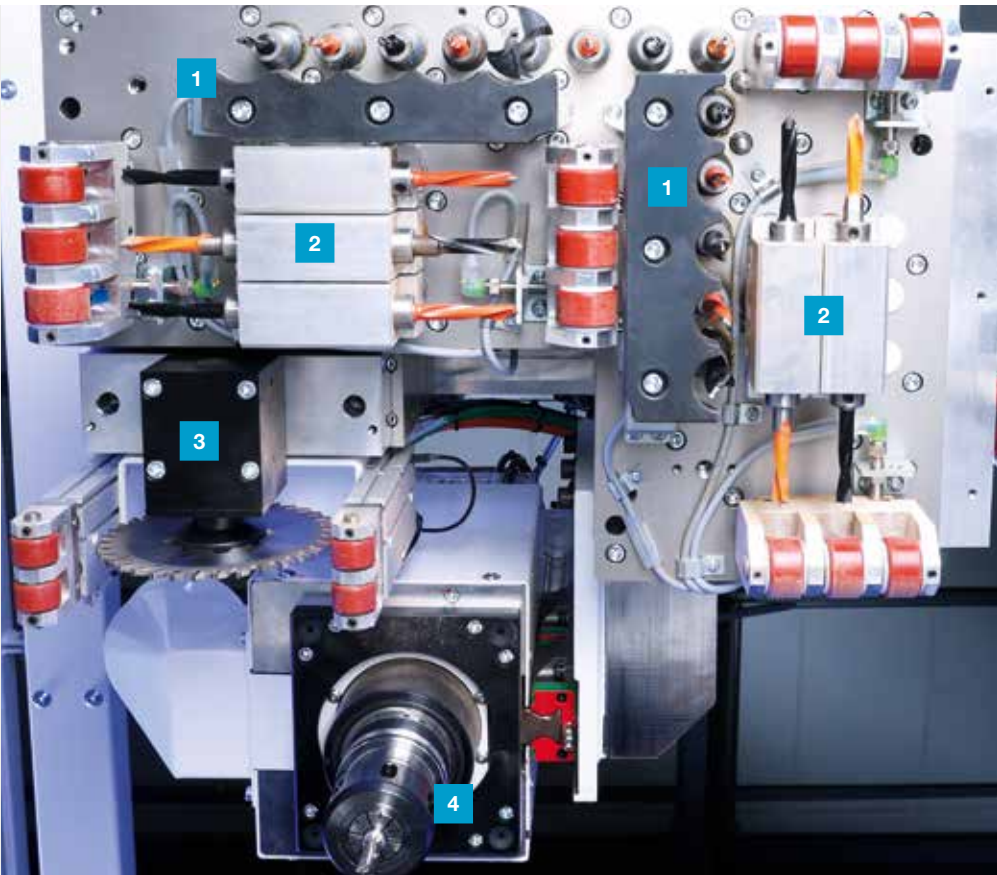
- 1 Spindle lock for exact drilling depth
- 2 Double-acting cylinder: forward and return stroke of the spindle with pneumatics
- 3 Large diameter of the sleeve and short and constant distance of the drill tip to the bearing for high lateral stability and high precision
- 4 Standing sleeve: The standing drill sleeve is issued, the drill spindle is mounted in the sleeve
- 5 Weldon change system with tensioning screw
- 6 Separate axial bearing to absorb the direct drilling forces



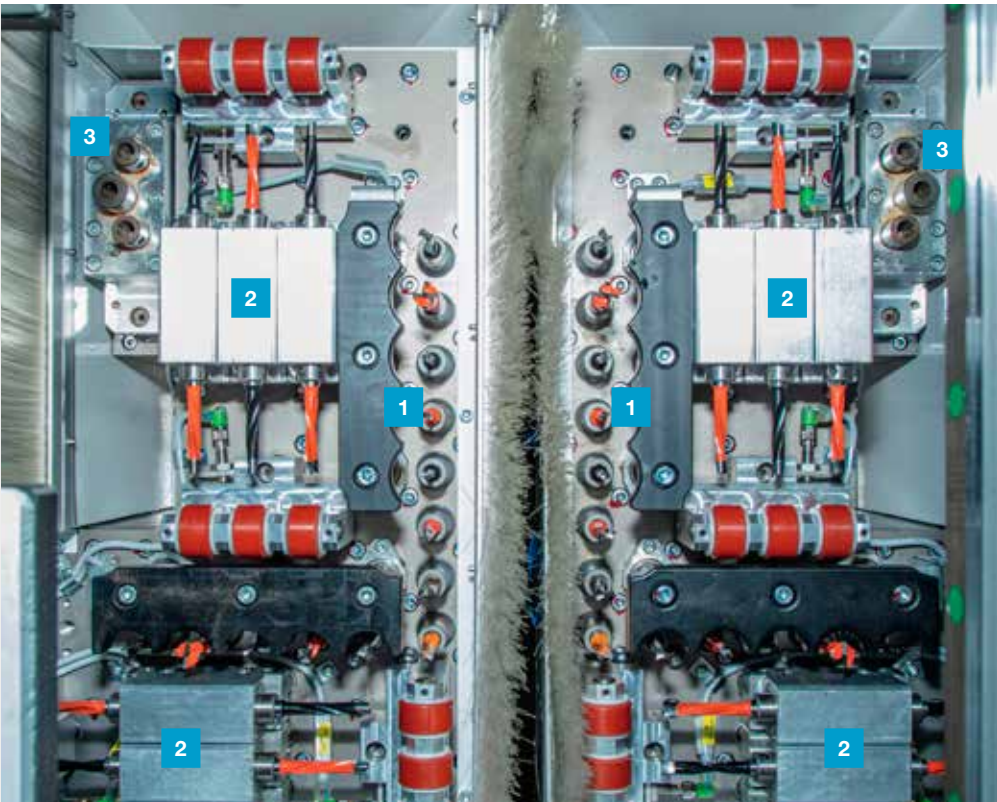
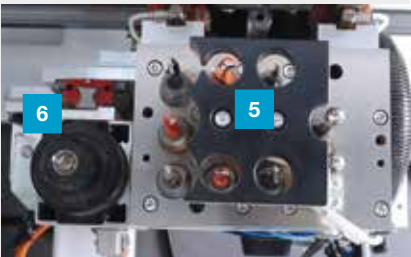
Weldon change system
For a drill bit change with tools.



- Automatic spindle lock**
- System for an always exact drilling depth with different materials.
 - With speeds from 1500-7500 1/min. for high feed rates or short drilling cycles



- Flexible package**
- 1 Upper vertical drilling spindles
 - 2 Horizontal drilling spindles
 - 3 Grooving saw (optional)
 - 4 Upper 4.5 kW automatic tool change spindle (optional)
 - 5 Lower vertical drilling spindles
 - 6 Lower 3.5 kW routing spindle



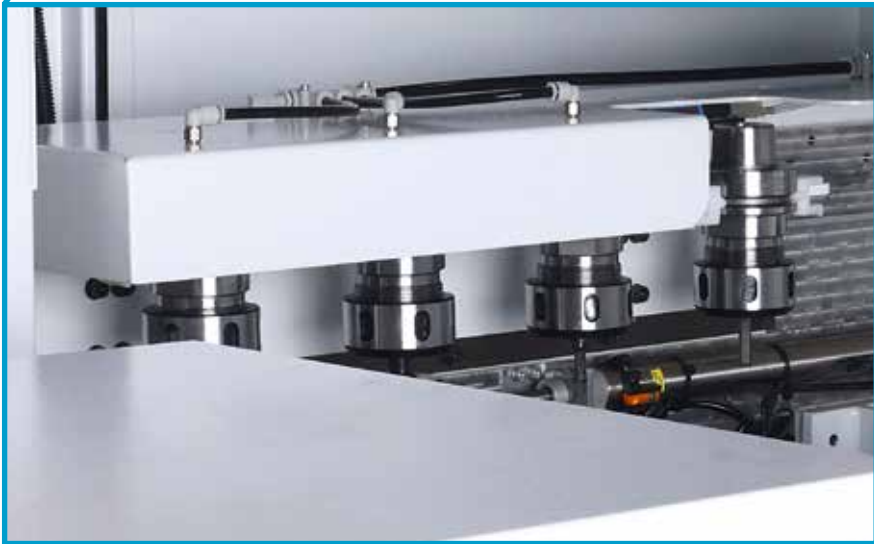
- Powerful package**
- 1 Upper vertical drilling spindles
 - 2 Horizontal drilling spindles
 - 3 Hinge drill (optional)
 - 4 Lower vertical drilling spindles
 - 5 Lower 3.5 kW routing spindle



Tool change system

The right selection for your needs

IN PERFECTION! The various tools allow you an individual selection for your requirements.



Optional equipment with automatic tool change system provides you with more processing possibilities. Available for 6-side drilling series DRILLTEQ H-230 and H-330.

Tool Change System

- Spindle with HSK F63
- 4-fold linear tool changer
- Optionally mounted at the side of machine
- Convenient and automatic exchange of tools from sides
- Tool length control: tool length is queried and compared with the integrated tool database

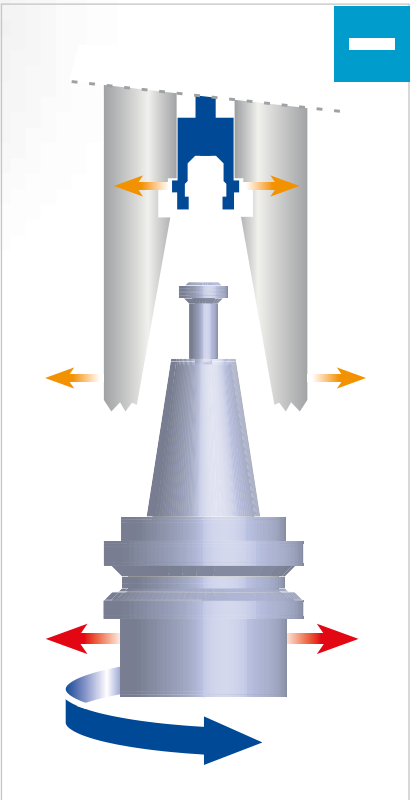
HSK tool chuck

Holds securely what belongs together

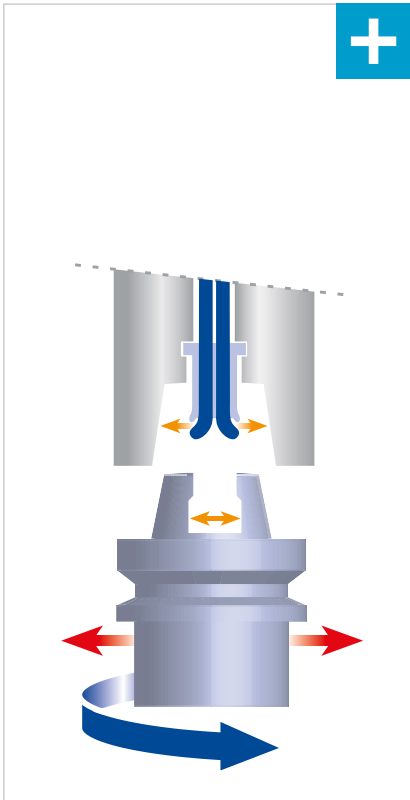
HOMAG relies on the HSK interface between the tool and the work spindle. At this important position, the tool holder must be able to guarantee a tight fit, but also a quick tool change and precision in the manufacture of the workpiece. The HSK holder does this reliably.

Added value compared to ISO steep taper shank

- The clamping force acting on the flange of an HSK shank is twice as high as on an ISO steep taper shank. An HSK shank is therefore much more resistant to pull-out forces. This means that a tool can be operated at higher speeds.
- Thanks to the additional clamping force, the radial rigidity of HSK tool holders is up to five times higher than that of ISO tool holders.
- Another HSK improvement over ISO steep taper shanks is the tool change capability. Due to the short length of the HSK taper and the lower weight of the hollow shank, tool changes can be carried out more quickly than with conventional tool holders.



ISO steep taper shank



HSK shank



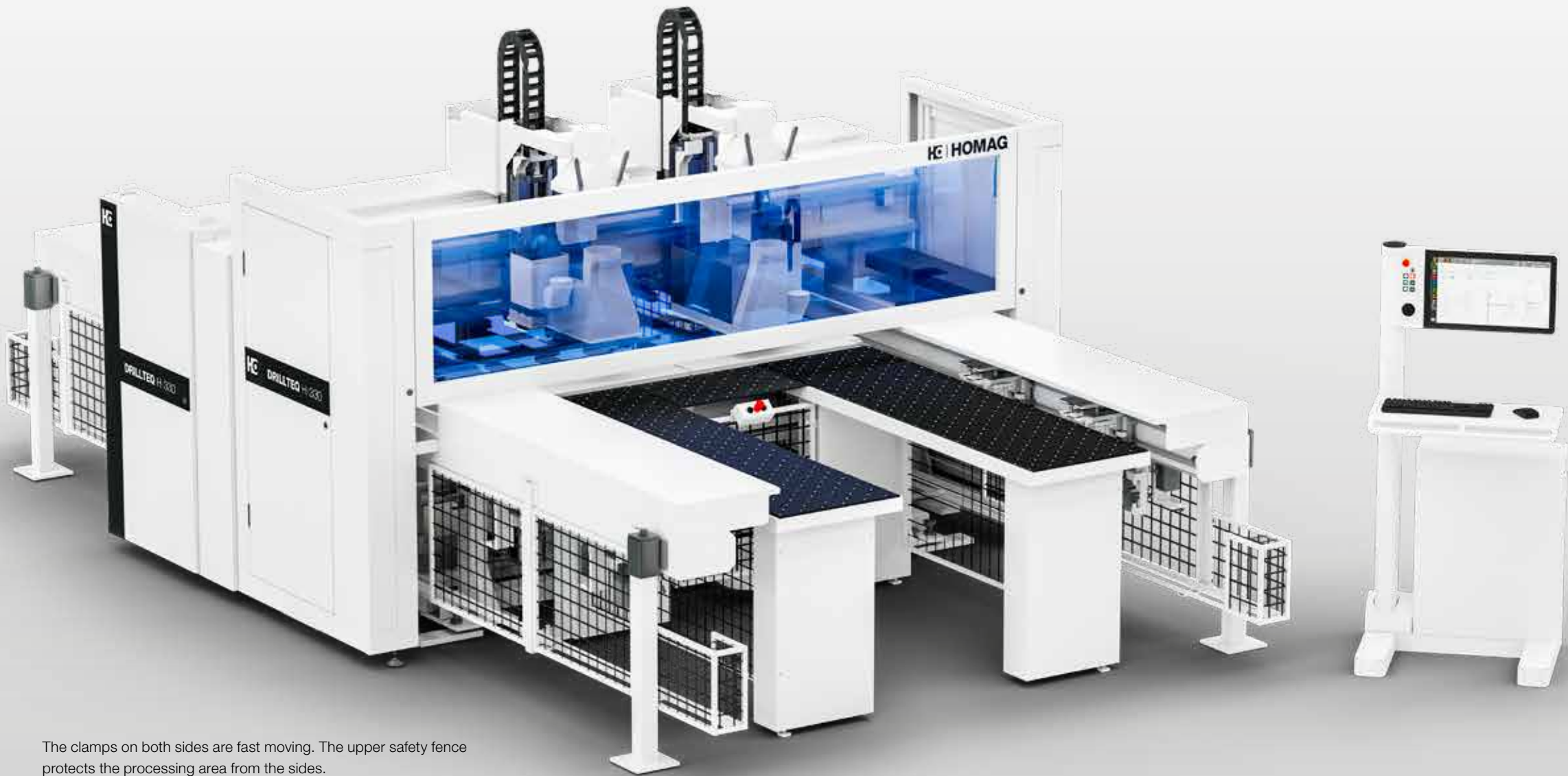
Advantages of HSK at a glance

- More resistant to bending loads
- Radial rigidity, deeper cuts and higher feed rates for milling and drilling operations, improving processing accuracy and surface quality
- Quick tool change thanks to short HSK taper and no retaining catch for clamping the shank

Comprehensive safety concept

Safety first – because operator’s safety is our highest priority!

The DRILLTEQ H-230 and H-330 have a comprehensive safety concept. German standards make working with this equipment not only comfortable, but also safe to handle.



The clamps on both sides are fast moving. The upper safety fence protects the processing area from the sides.



The lower safety fence prevents entry into the working area.



The Protective cover close the processing area, to ensure the operator safety during the processing (avoid personal contact with machining tools and moving parts).

Connected cell concepts

All solutions for you!

Each cell in particular is an ideal solution for efficient panel processing in furniture manufacturing.

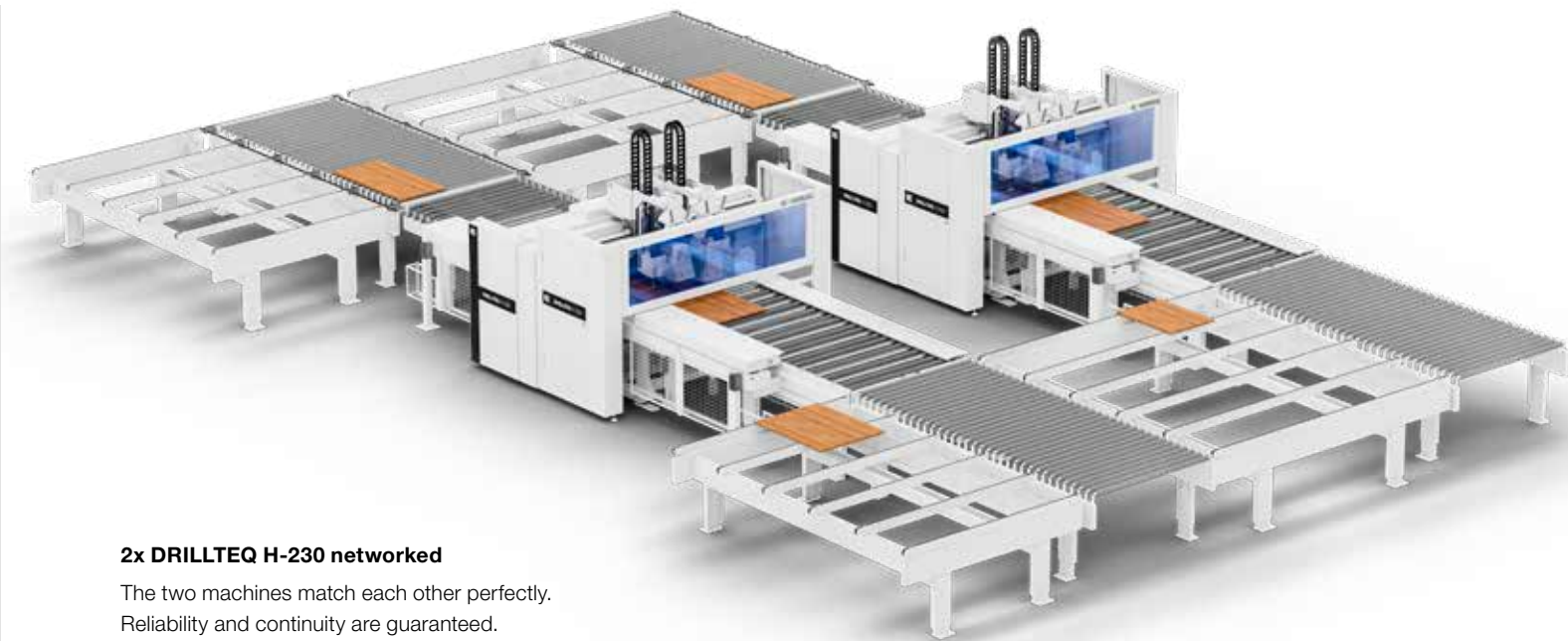
With these cell concepts, we show how the value can be increased by an automatic connection with stand-alone machines. The systems make the production process more efficient and reliable through the machine network management by the intelligent HOMAG cell control.

All the standard concepts here presented can be easily integrated into your workshop.

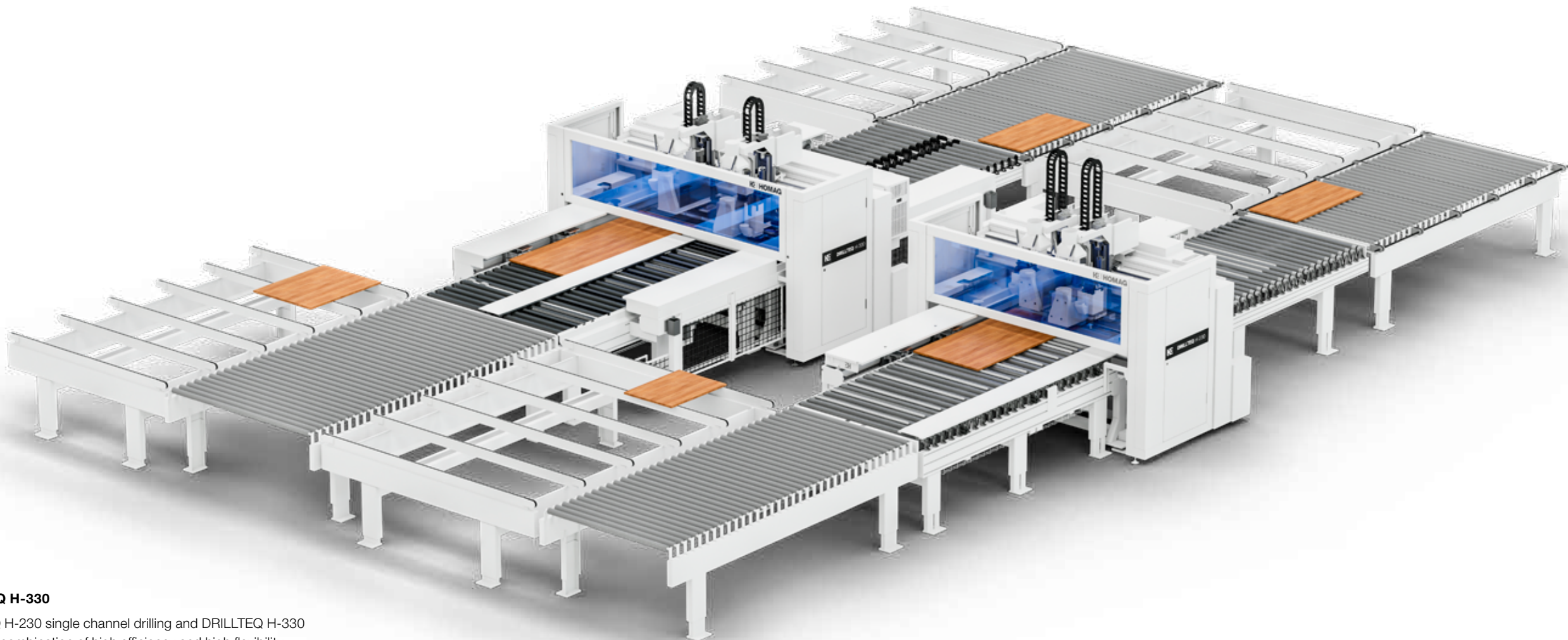
Of course, in accordance with your actual demand to discover the most appropriate solution is also possible.

YOUR BENEFITS AT A GLANCE

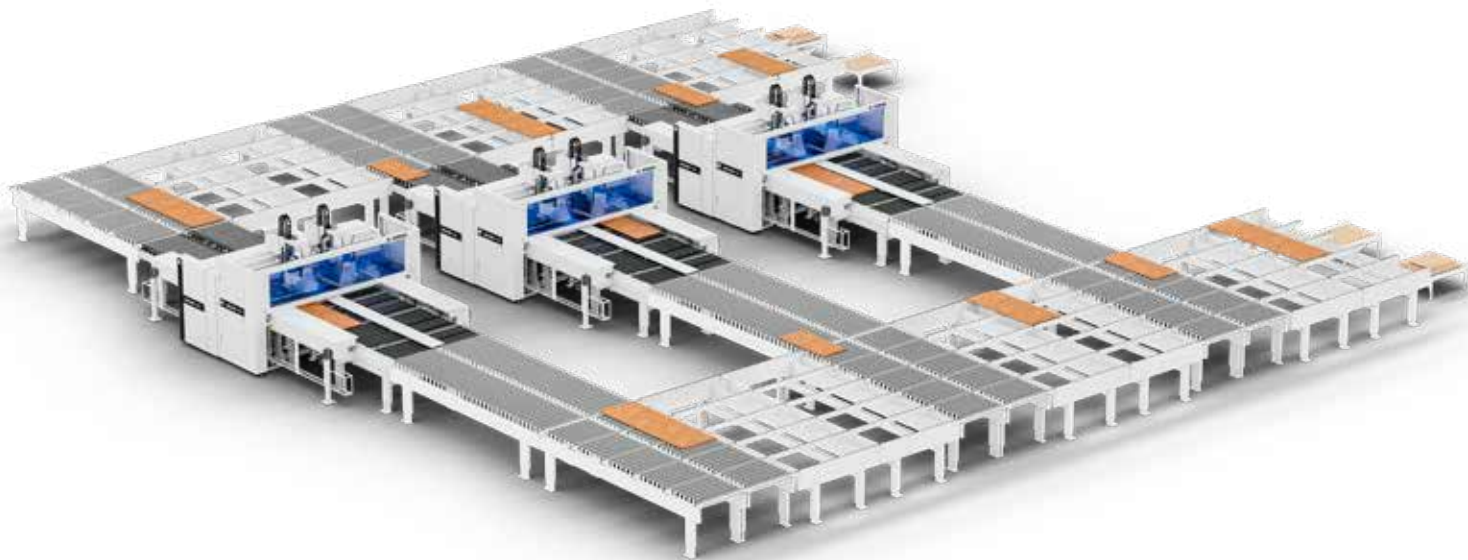
- Cost reduction – reduction of personnel expenses
- High availability – machine uptime can be extended to nearly 100%
- Highly flexible production – no need to train new processes
- Consistent high quality – no reduction/change due to staff changes



2x DRILLTEQ H-230 networked
The two machines match each other perfectly. Reliability and continuity are guaranteed.



DRILLTEQ H-230 + DRILLTEQ H-330
A combination cell of DRILLTEQ H-230 single channel drilling and DRILLTEQ H-330 double channel drilling is also a combination of high efficiency and high flexibility.



3x DRILLTEQ H-330 networked
The three machines match each other perfectly.
Full process reliability and continuity is guaranteed.

Connected cell concepts

All solutions for you!

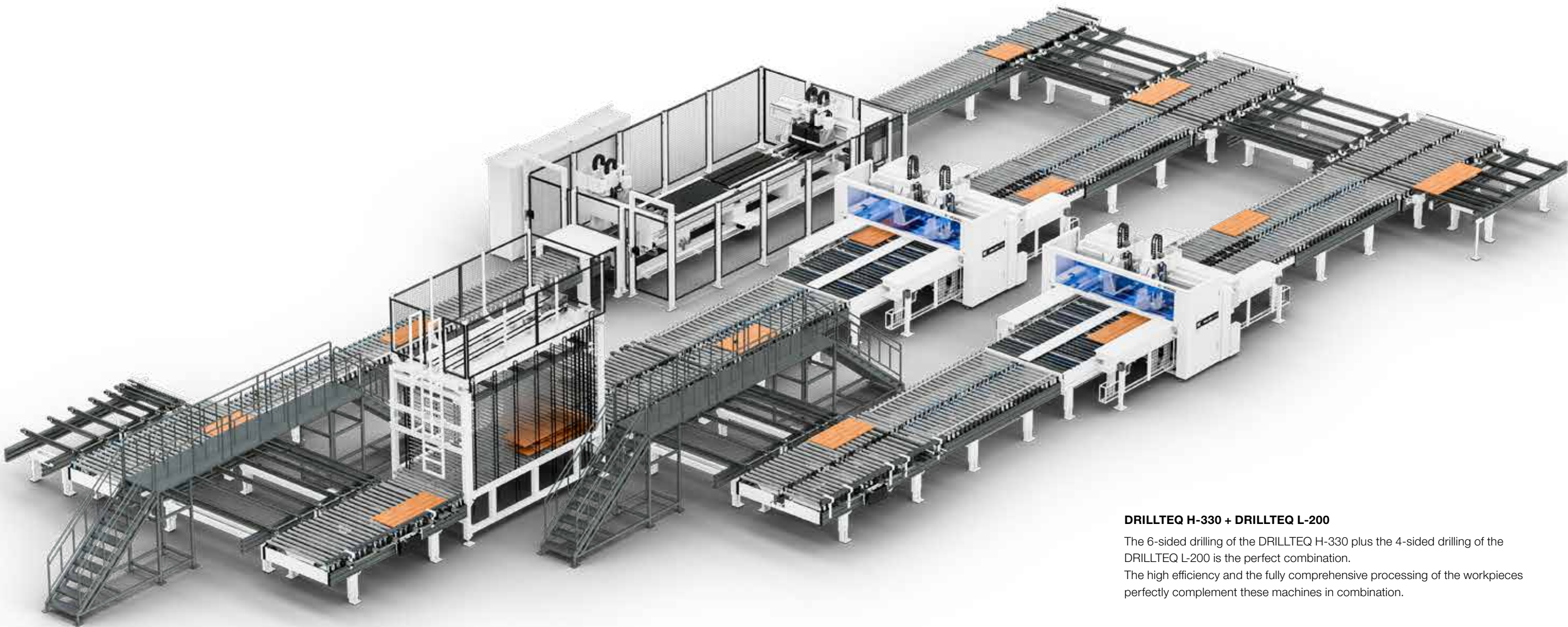
Each cell in particular is an ideal solution for efficient panel processing in furniture manufacturing.

With these cell concepts, we show how the value can be increased by an automatic connection with stand-alone machines. The systems make the production process more efficient and reliable through the machine network management by the intelligent HOMAG cell control.

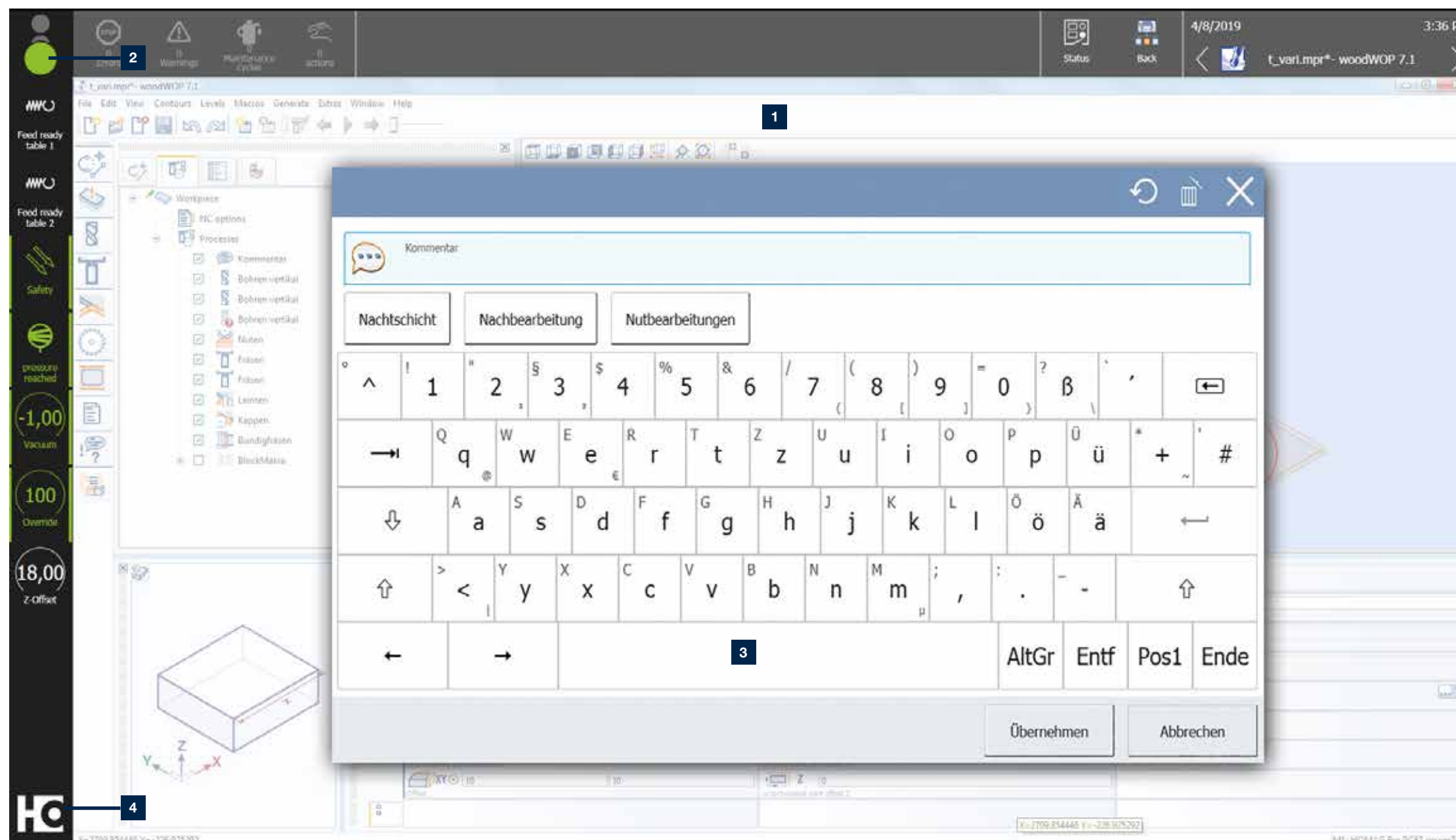
All the standard concepts here presented can be easily integrated into your workshop.

Of course, in accordance with your actual demand to discover the most appropriate solution is also possible.

- YOUR BENEFITS AT A GLANCE
- Cost reduction – reduction of personnel expenses
 - High availability – machine uptime can be extended to nearly 100%
 - Highly flexible production – fulfillment of drilling processing for all panel sides
 - Consistent high quality – no reduction/change due to staff changes



DRILLTEQ H-330 + DRILLTEQ L-200
The 6-sided drilling of the DRILLTEQ H-330 plus the 4-sided drilling of the DRILLTEQ L-200 is the perfect combination.
The high efficiency and the fully comprehensive processing of the workpieces perfectly complement these machines in combination.



1 The powerTouch2 screen is clearly structured. You can see all the important information at a glance, but you still have all the details.

3 A functional pop-up keyboard that can be kept open, including automatic word completion for faster entries (when you enter the first letters, frequently used applications are proposed and you can select them directly).

2 We have also improved the traffic light dialog further. You can now directly influence the machine's production readiness by selecting actions via the traffic light icon.

4 Enhanced “Start” menu with additional information displayed (e.g. an indication of how many messages are currently pending or status bars that show the progress of the application) and direct access to actions (e.g. confirmation of actions without having to jump to the application).

Our successful powerTouch philosophy –
standardized, simple, ergonomic, evolutionary – consistently further developed



THE HIGHLIGHTS AT A GLANCE:

- Direct and efficient operation, up to 30% faster
- Clearer and more informative thanks to additional information and live illustrations instead of program icons
- New applications for operating and controlling machines and systems (e.g. NCCenter in the PC87 control system on CNC machines or woodCommander 4 on throughfeed machines)
- Fresh, attractive design, based on the new HOMAG machine design



The next generation
of powerTouch:
powerTouch2

Faster, more comfortable, clearer: Enjoy the benefits of our further improved powerTouch user interface. We have optimized our standardized operating concept and further adapted it to our customers' requirements.

Controlling your HOMAG machines is now even faster and more intuitive. The new, modern design has a clear structure. The innovative touch operation allows you to achieve the desired result easily and comfortably.

With the new powerTouch generation, you can enter information at your machine even more quickly. Compared to the previous version, you can achieve a time saving of up to 30%. This is possible thanks to new features, such as automatic word completion, a pop-up keyboard that can be kept open and Windows-like functions, such as the selection of common actions directly via the start button.

Software

All inclusive

WITH THIS SOFTWARE PACKAGE YOUR ARE "READY TO RACE". Thanks to 30 years of experience and multiple installations worldwide, with woodWOP you get one of the most established CNC programming systems in the world.



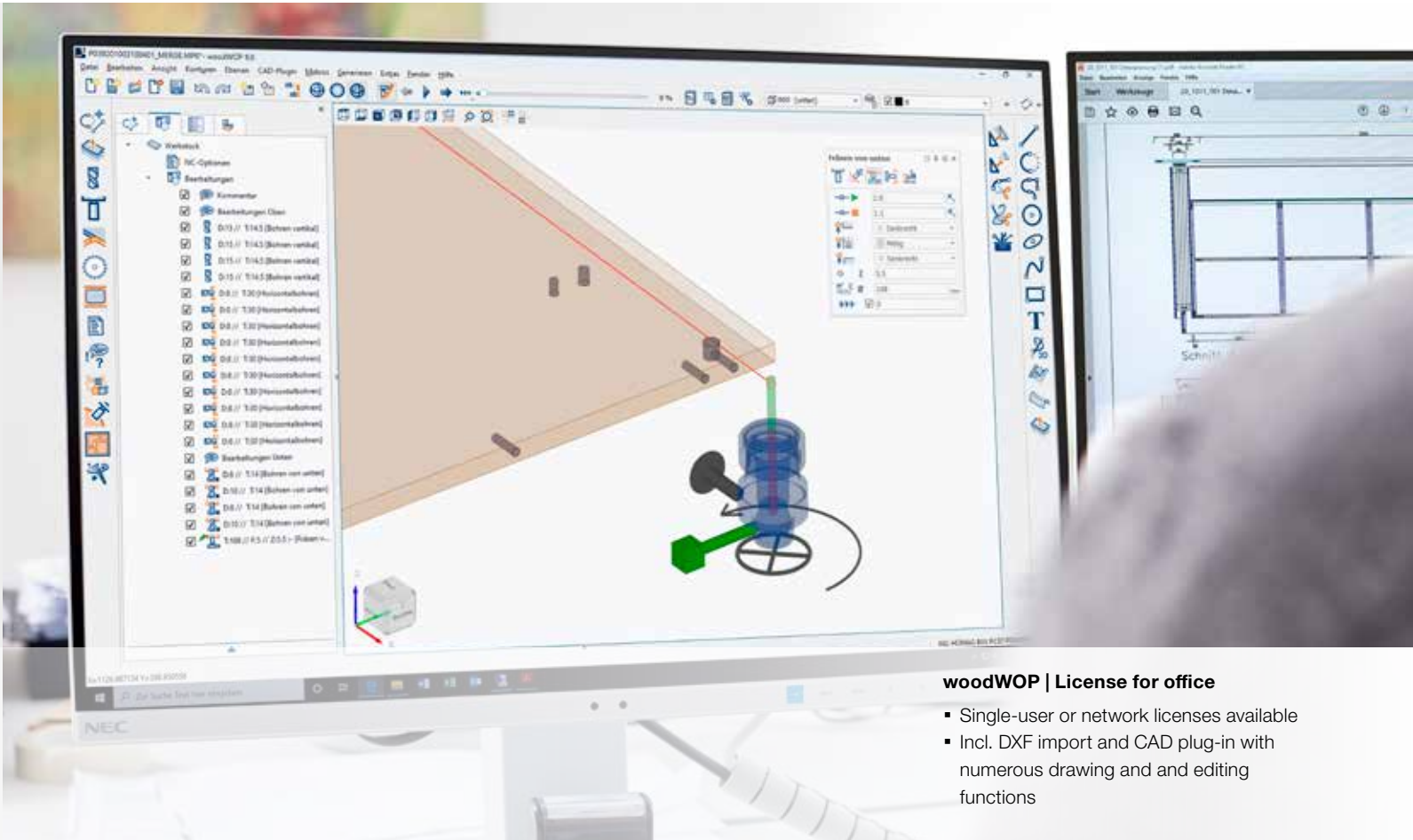
Please use our website!
Worldwide largest forum for woodWOP:
forum.homag.com

- woodWOP | License for machine**
- Fast and intuitive operation through simple, direct navigation
 - Arbitrary use of variables for flexible variant programming
 - Quick creation of own components
 - More programming security through 3D graphics of workpiece and machining operations

Software

Option

ADDITIONAL SOFTWARE MODULES allow you to further optimize your processes.



- woodWOP | License for office**
- Single-user or network licenses available
 - Incl. DXF import and CAD plug-in with numerous drawing and editing functions



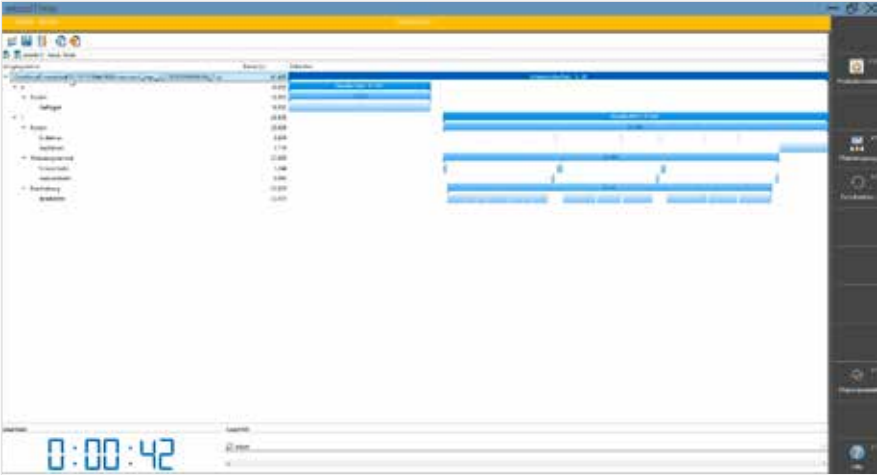
- Slot assignment**
- Simple control of machine functions via soft keys
 - Graphical assignment in 3D
 - Rotation and mirroring of workpieces



- woodWOP DXF Basic**
- Interface for CAD data import
 - Basis for the generation of woodWOP programs



- MMR Basic**
- Recording of quantities and actual operating times at the machine
 - Integrated maintenance notes for optimal time- and quantity-based planning and execution of maintenance work



- woodTime**
- For time calculation and analysis of woodWOP programs
 - Batch time calculation of production lists



- Barcode reading system**
- Fast call-up and allocation of machining programs via barcode scan
 - Automatic and quick merge of two machining programs

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

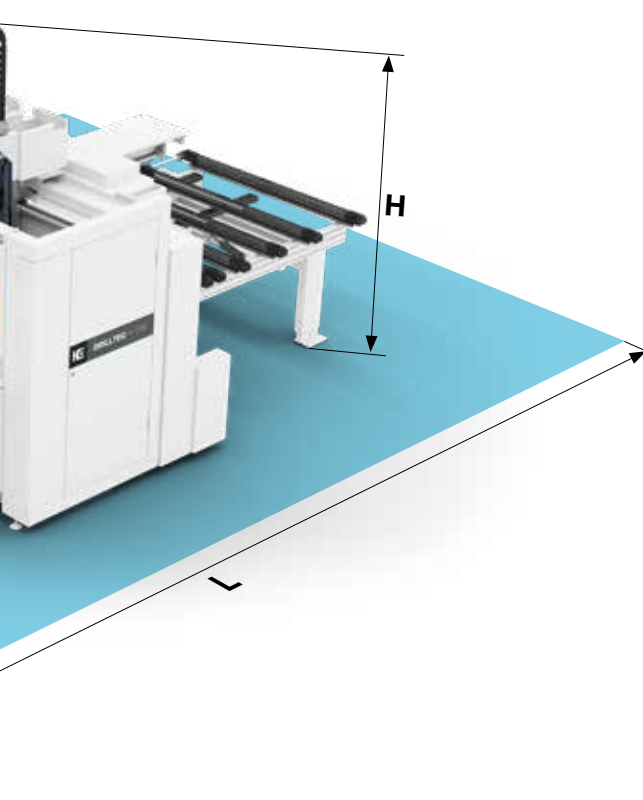
DRILLTEQ H-230

TECHNICAL DATA		
Footprint		
L	mm	7,300
W	mm	4,700
H	mm	2,550
Workpiece dimension		
Length	mm	250 – 3,050
Width (800)	mm	60 (40) – 800
Width (1,250)	mm	60 (40) – 1,250
Height	mm	8 – 40
Drilling Head TOP		
Vertical spindles	Qty	13 or 2 x 13
Vertical spindle clamping		Yes
Horizontal spindles in X+/-X-	Qty	3X+/-3X – or 2 x (3X+/-3X-)
Horizontal spindles in Y+/-Y-	Qty	2Y+/-2Y – or 2 x (2Y+/-2Y-)
Frequency controlled	RPM	1,500 - 7,500
Drilling Head BOTTOM		
Vertical spindles	Qty	8
Vertical spindle clamping		Yes
Frequency controlled	RPM	1,500 - 7,500
Dust extraction		
Diameter	mm	3(4) x 160*
Electric		
Max. connection load	KW	22
Air		
Compressed Air	bar	7
Machine		
Approx. weight	KG	5,000

*Note: Configuration 1 drilling head: total 3 outlets
Configuration split drilling heads: total 4 outlets

OPTIONS

Grooving saw		
Direction		X
Max. diameter	mm	125
Router		
Frequency controlled	RPM	18,000
Power	KW	3.5
Collet	Type	ER25
Automatic tool change spindle		
Frequency controlled	RPM	24,000
Power	KW	4.5
Collet	Type	HSK-F63
Tool changer		
Type		Linear
Fold	Qty	4
Max. tool weight	KG	5
Infeed		
Type		Air-cushion table
Type		Roller conveyor
Outfeed		
Type		Cross belt
Type		Roller conveyor



DRILLTEQ H-330

TECHNICAL DATA		
Footprint		
L	mm	7,300
W	mm	5,000
H	mm	2,550
Workpiece dimension		
Length	mm	250 – 3,050
Width (single part)	mm	60 (40) – 1,250
Width (double parts)	mm	2 x 620
Height	mm	8 – 40
Drilling Head TOP		
Vertical spindles	Qty	2 x 13
Vertical spindle clamping		Yes
Horizontal spindles in X+/-X-	Qty	2 x (3X+/-3X-)
Horizontal spindles in Y+/-Y-	Qty	2 x (2Y+/-2Y-)
Frequency controlled	RPM	1,500 – 7,500
Drilling Head BOTTOM		
Vertical spindles	Qty	2 x 8
Vertical spindle clamping		Yes
Frequency controlled	RPM	1,500 – 7,500
Dust extraction		
Diameter	mm	3 x 160
Electric		
Max. connection load	KW	26
Air		
Compressed Air	bar	7
Machine		
Approx. weight	KG	6,500

OPTIONS

Router

Frequency controlled	RPM	18,000
Power	KW	3.5
Collet	Type	ER25

Automatic tool change spindle

Frequency controlled	RPM	24,000
Power	KW	4.5
Collet	Type	HSK-F63

Tool changer

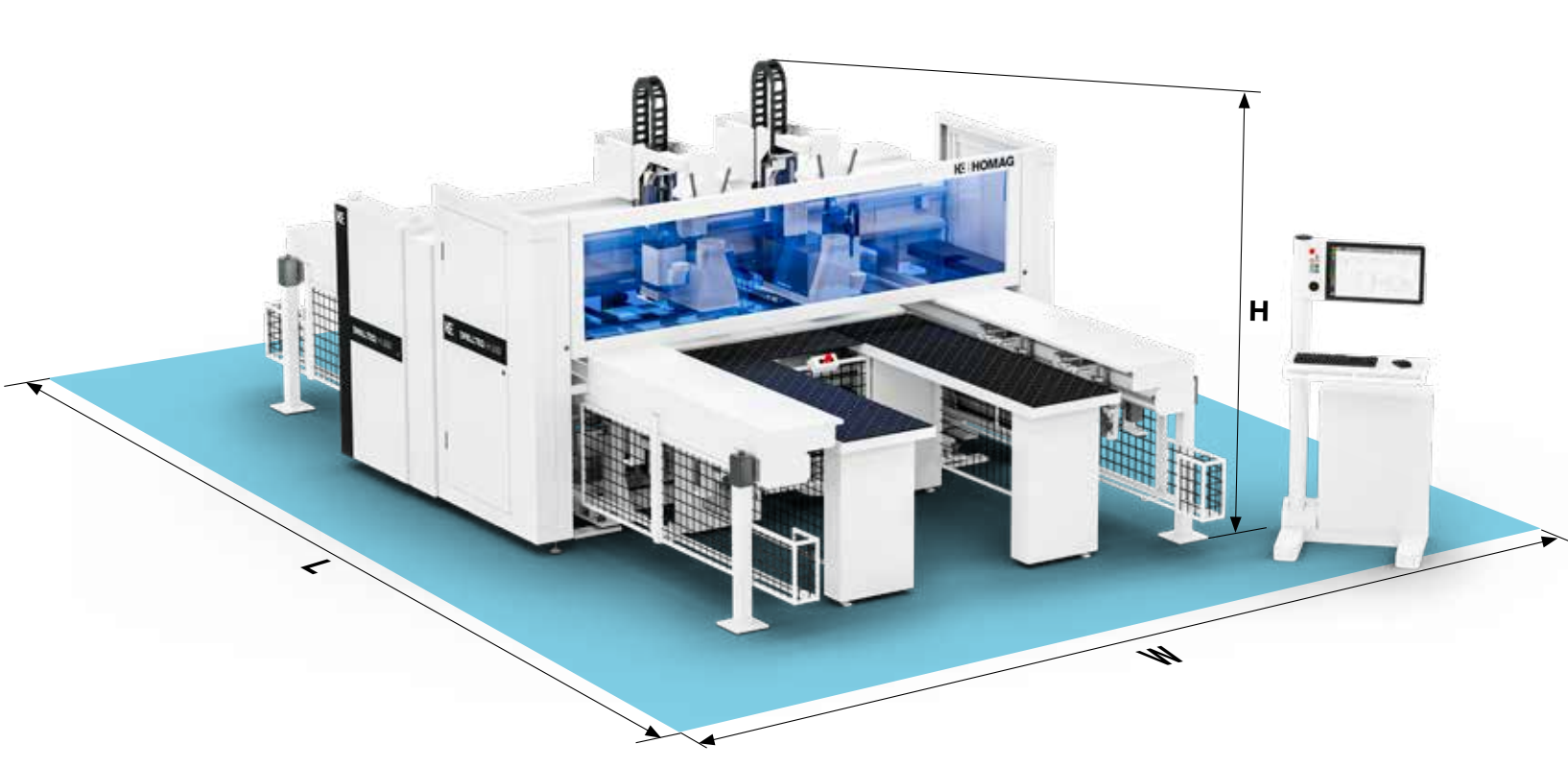
Type		Linear
Fold	Qty	2 x 4
Max. tool weight	KG	5

Infeed

Type		Air-cushion table
Type		Roller conveyor

Outfeed

Type		Support table
Type		Roller conveyor





HOMAG Group AG

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www.homag.com

YOUR SOLUTION