

Processing centres BMG 300



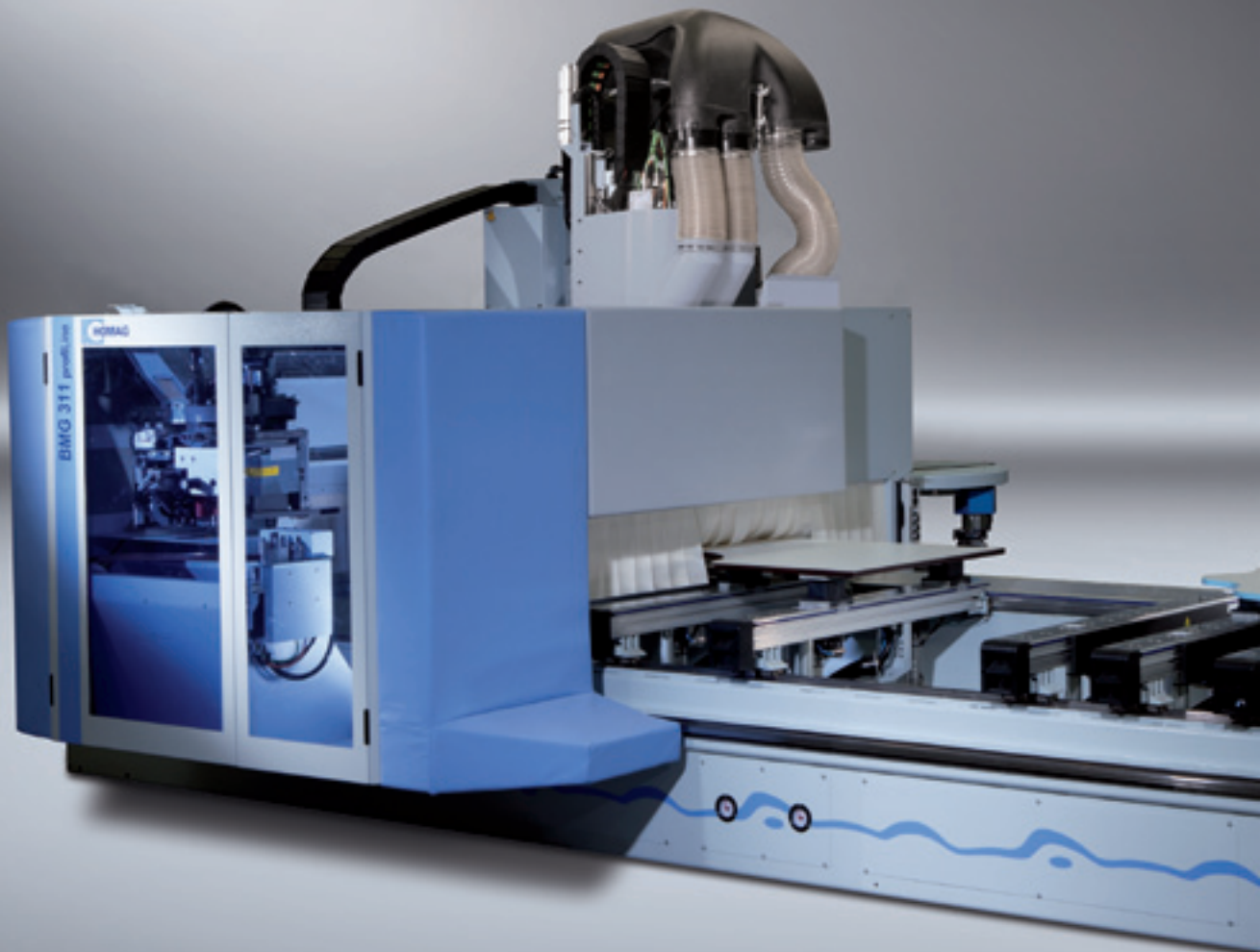
HOMAG: Productivity from the word go

Anyone investing in new woodworking machines expects a solution to their specific production assignment. It has to be productive and flexible, and offer extreme availability. And also go on supplying perfect results for a long time to come. HOMAG processing centers offer superior technology and individual equipment for highly efficient production. Our service packages and global aftersales support ensure the availability of your plant or machine over its entire life cycle and offer outstanding investment security.

- Over 50 years of experience in machine and plant engineering
- 12 locations around the world with a workforce totaling over 5 000
- Production of over 1 500 processing centers a year throughout the HOMAG Group
- Superior technology and high-performance features well in excess of the industry standard

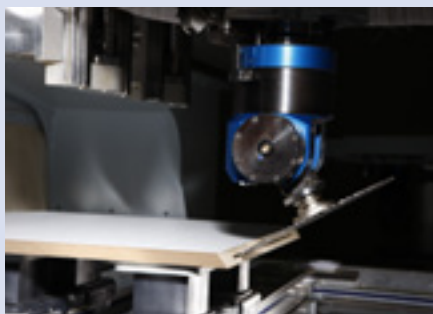
High-technology for woodworking shops and industrial producers:

- Different process technologies such as sawing, edge banding, drilling, hardware mounting, measurement processes and 3D processing can all be combined to ensure a truly future-proof investment
- High standard of processing quality due to heavy-duty base frame and stable moving gantry





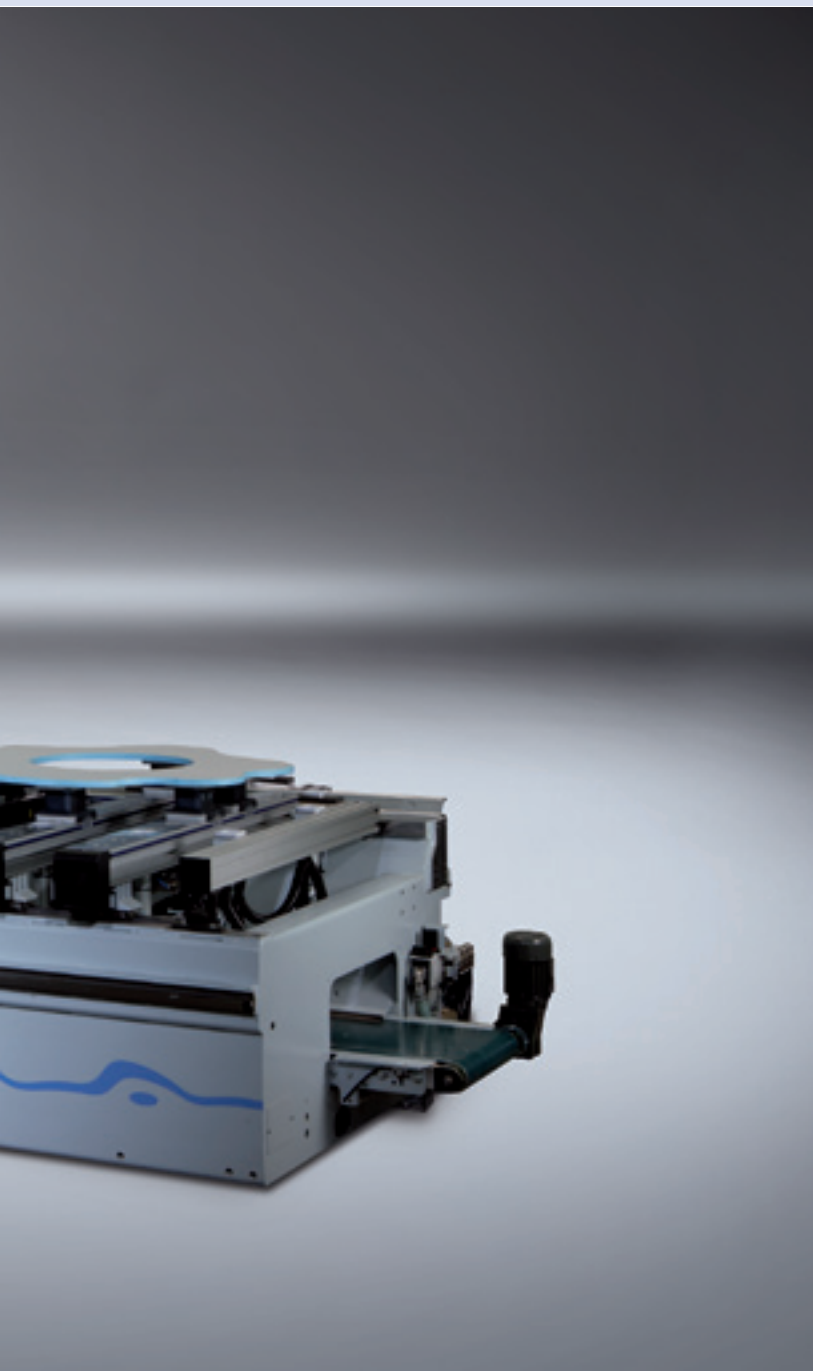
Edge banding with the **powerEdge** unit



Free angle processing with the **FLEX5+** unit

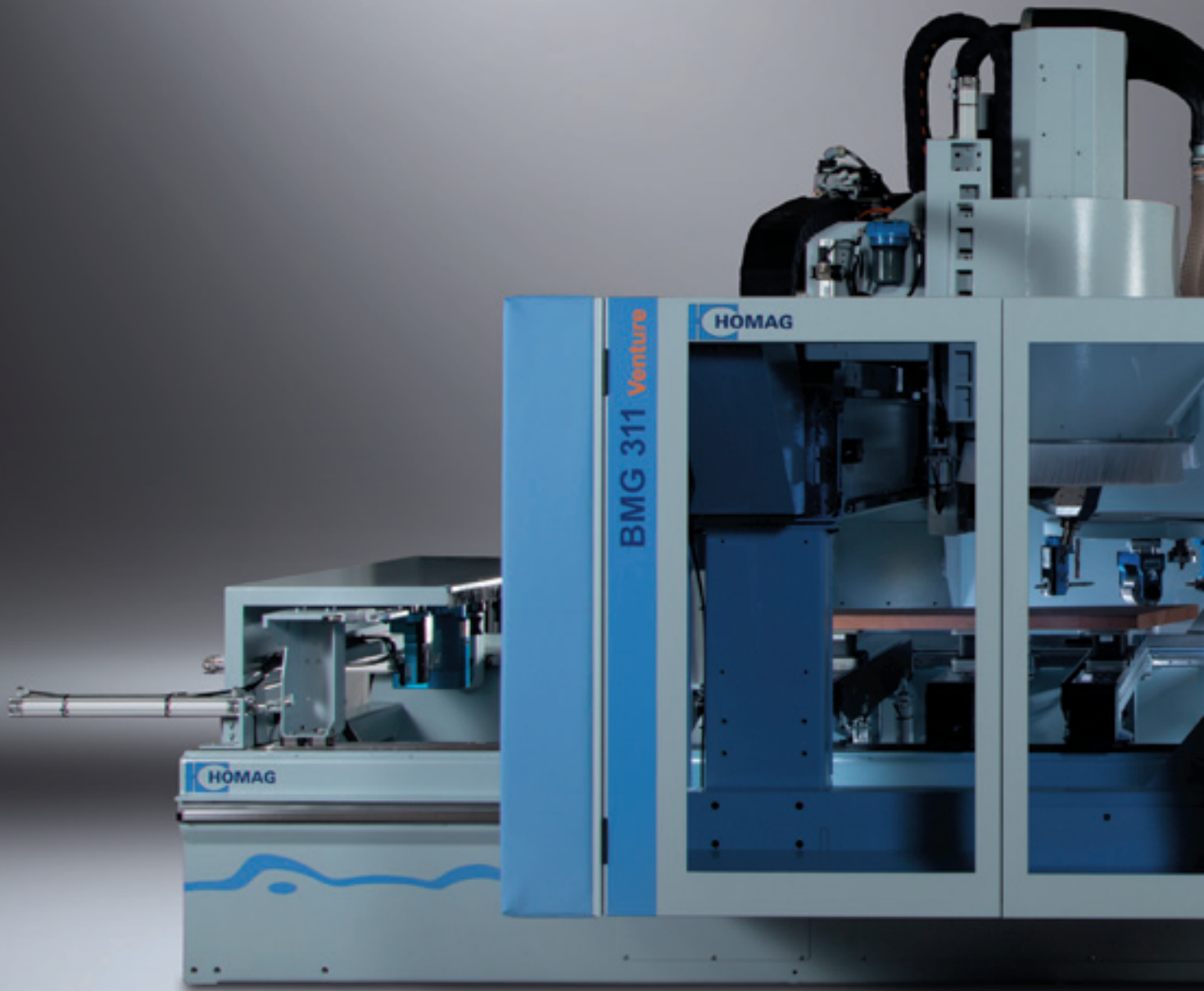


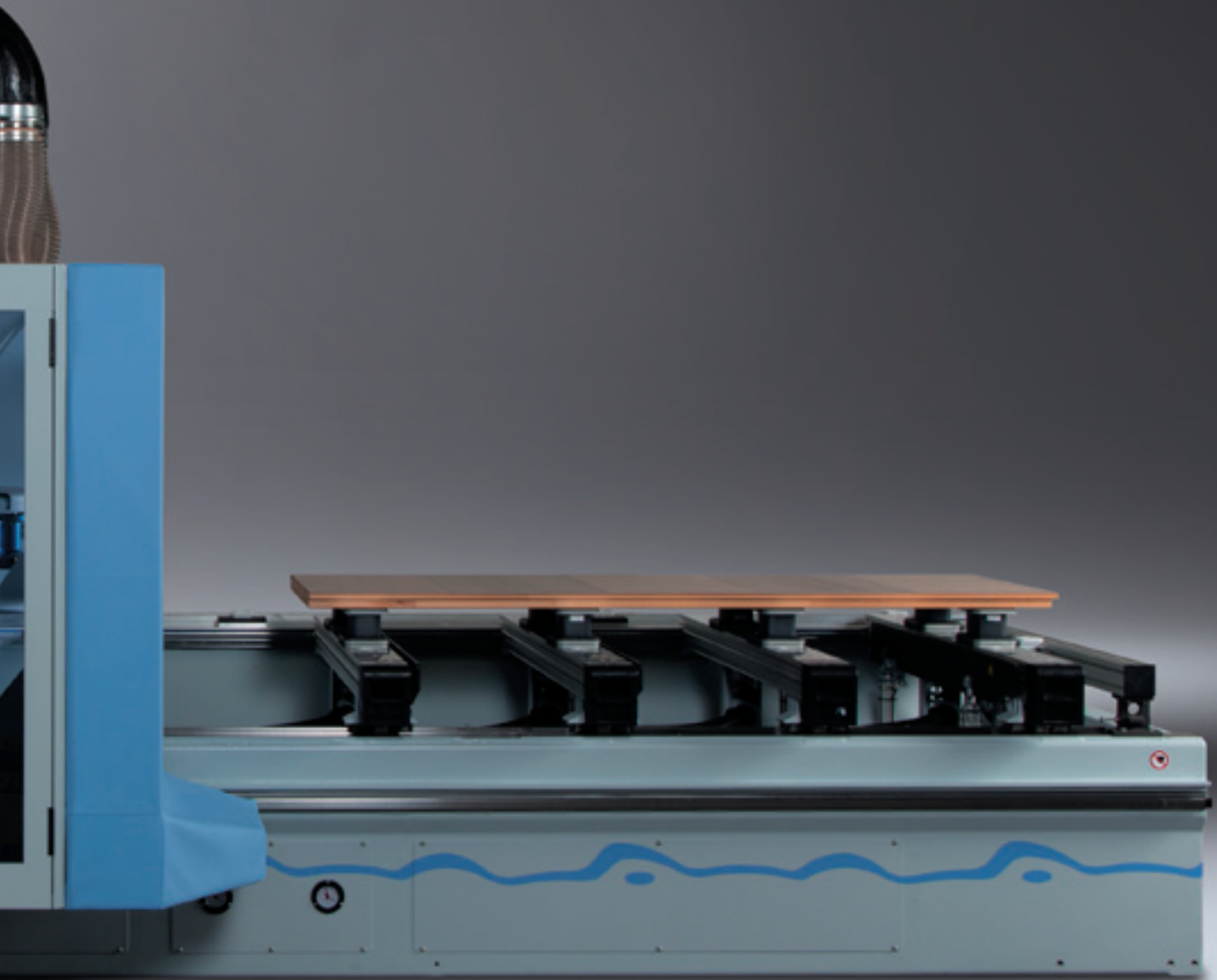
Precise mitre cutting – pinpoint accuracy first time



Content

06	Quality and innovation down to the last detail
10	As individual as your requirements
12	Trimming spindles
14	High-Speed drilling technology
16	Tool changer
17	Units
18	Innovative edge banding technology for all
20	Clean, fast: the console table
22	The automatic positioning table A
23	The grid table
24	Automation
26	Software
28	The complete range of services
30	Technical data

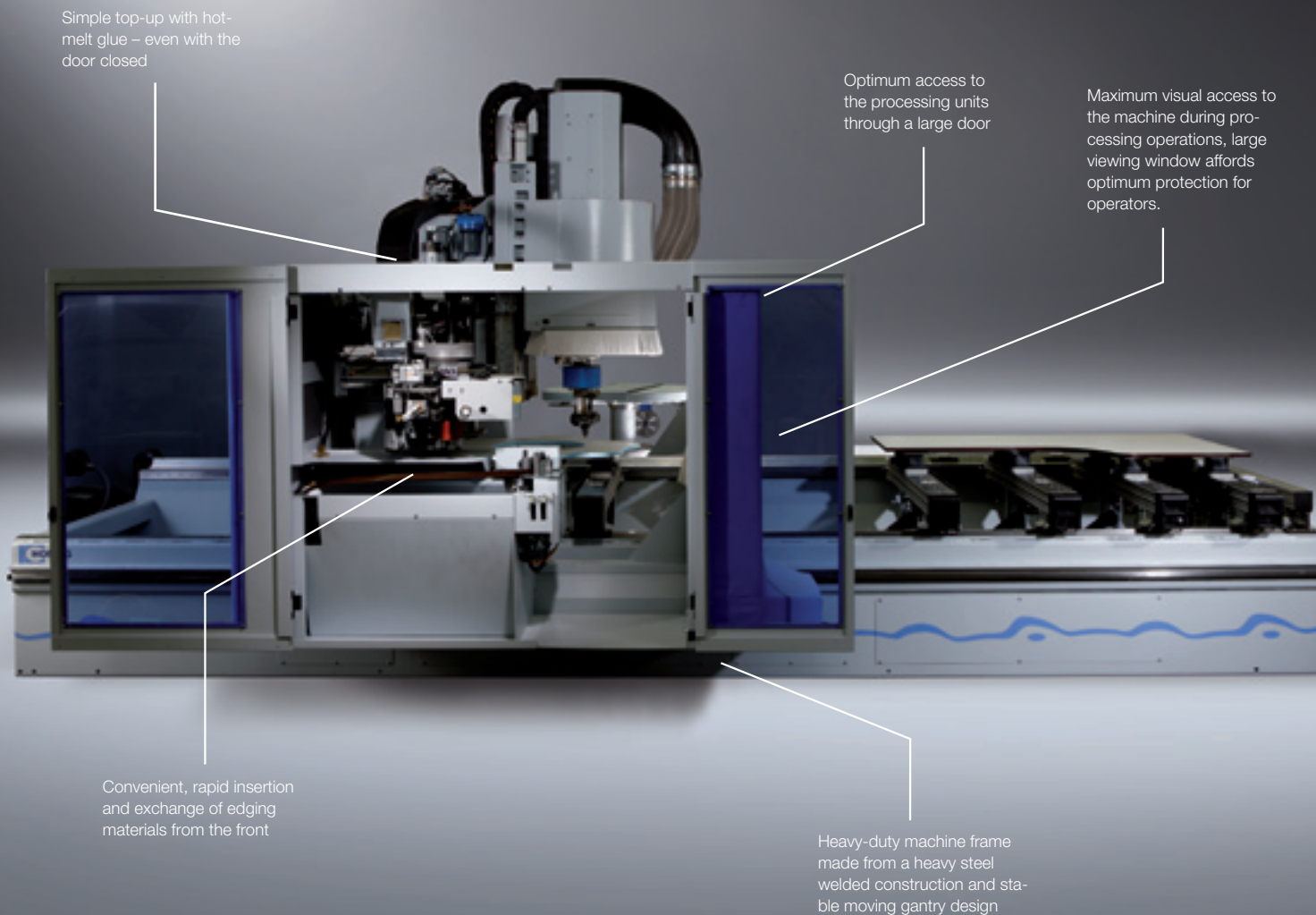


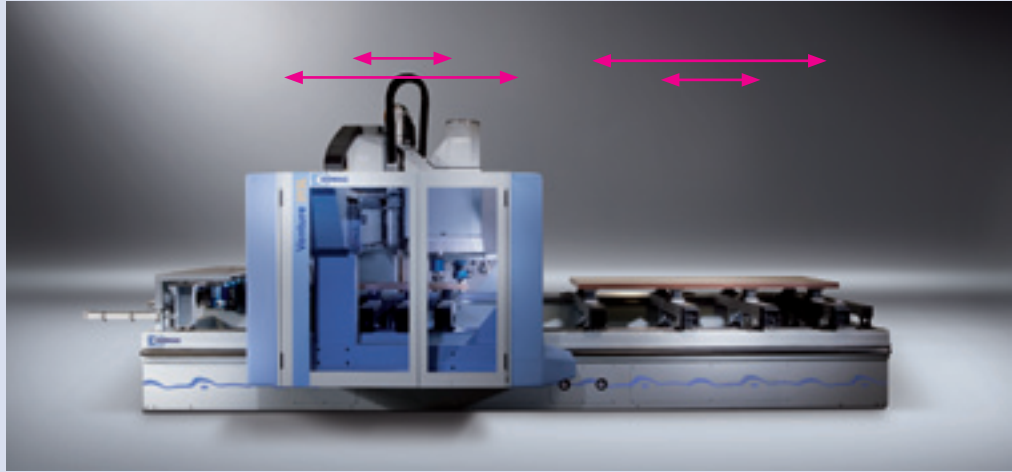


Quality and innovation down to the last detail

Innovative solutions for every woodworking assignment. Superior technology right from the start. Every customer can benefit from HOMAG's rich fund of system expertise. Our processing centres are the culmination of decades of experience in mechanical and plant engineering.

Identical system components, standardized control engineering and ergonomic operation add up to increased productivity. State-of-the-art technologies for variable workpiece shapes at a high standard of quality.



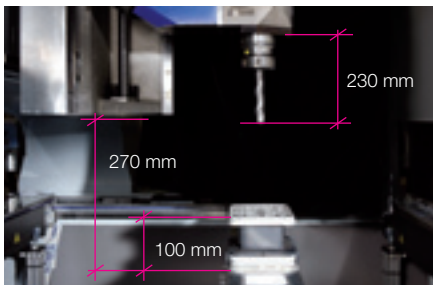


Dynamic alternating field size

Bumper safety technology allows a dynamic alternating field size without fixed field allocation. This means that when processing longer parts on one side of the machine, it is still possible to prepare and position a shorter part on the other side.

Processing height

Processing height 270 mm from the upper edge of the console, also when using units or long tools.



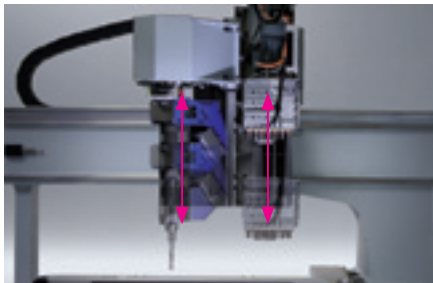
Covered linear guides

Covered linear guides with closed guide carriage and integrated central lubrication of all axes. Closed energy chains to protect against damage to cables and hoses.



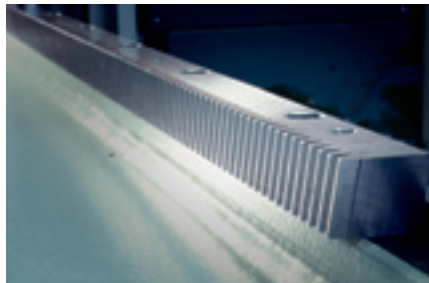
Switch cabinet with powerTouch operator terminal

Central switch cabinet with height-adjustable Full-HD Multitouch Display, USV for protection against data loss, Backup-Manager for data backup and network connection. Light at the switch cabinet for status display.



Two separate Z axes

Two separate Z axes for drilling head and routing spindle permit rapid alternating of drilling head and routing spindle application. A drive system moves only one unit over the entire axis length.



Rack and pinion drive

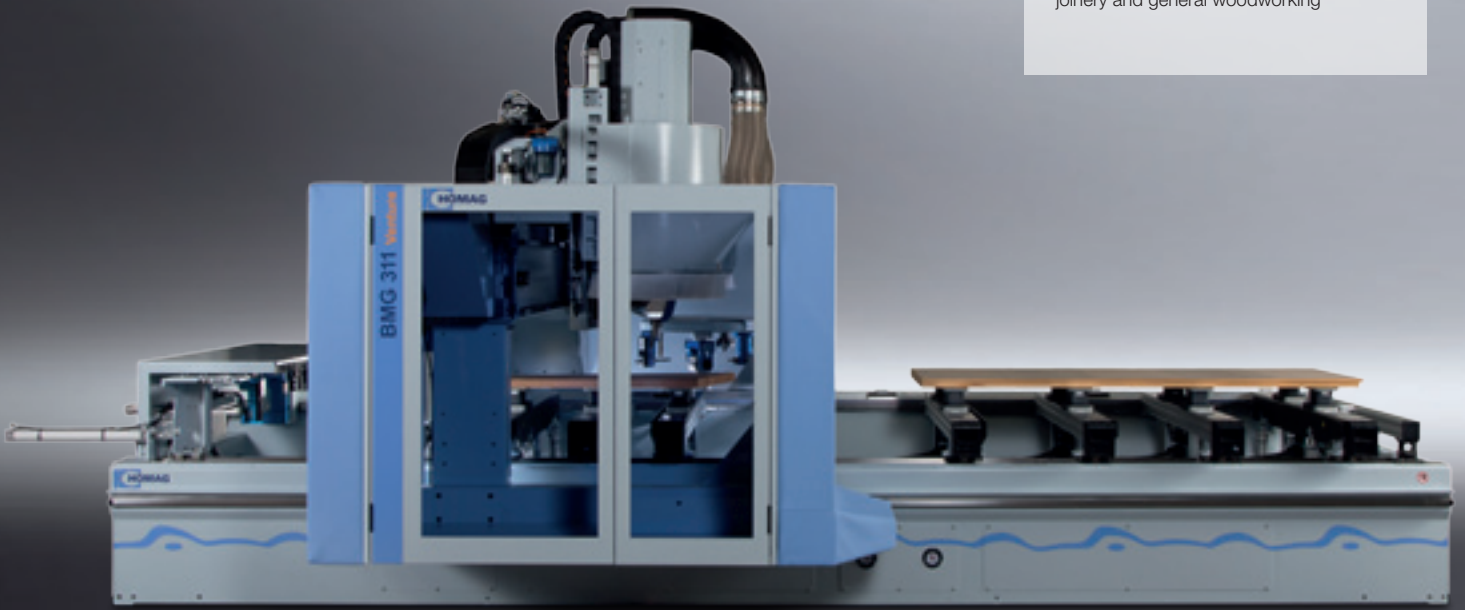
The highly dynamic low-vibration rack and pinion drive systems in the X and Y direction ensure fast processing cycles and result in higher workpiece quality.



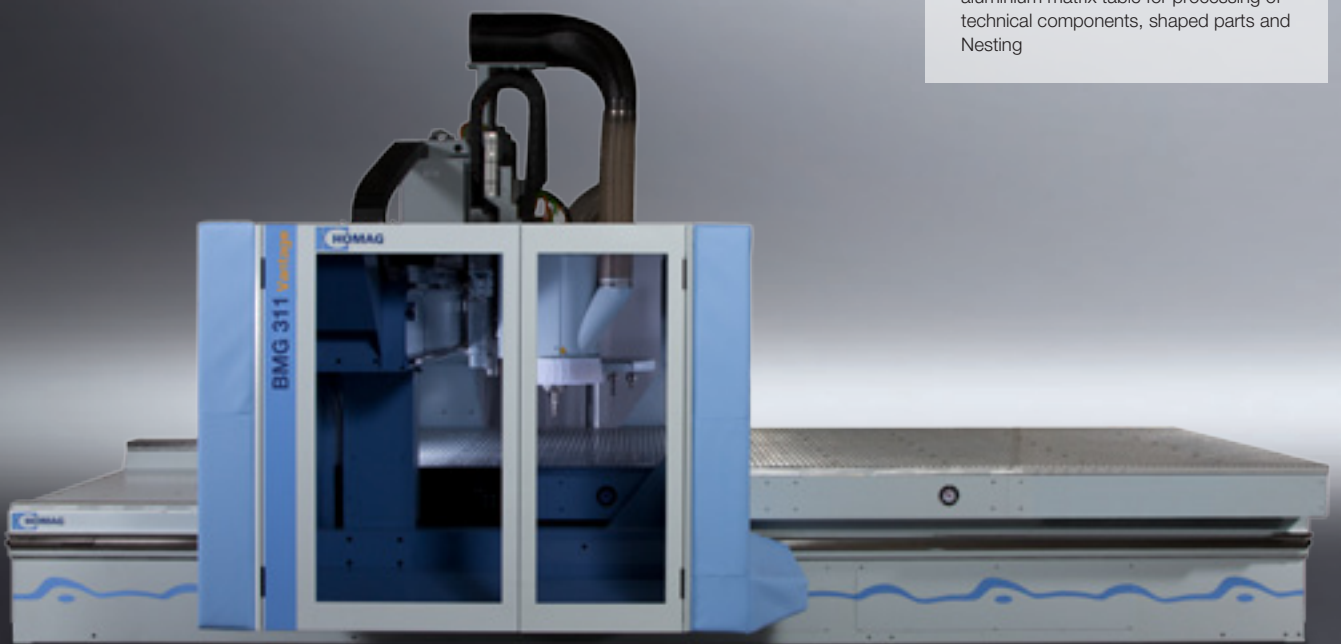
Energy efficiency built in

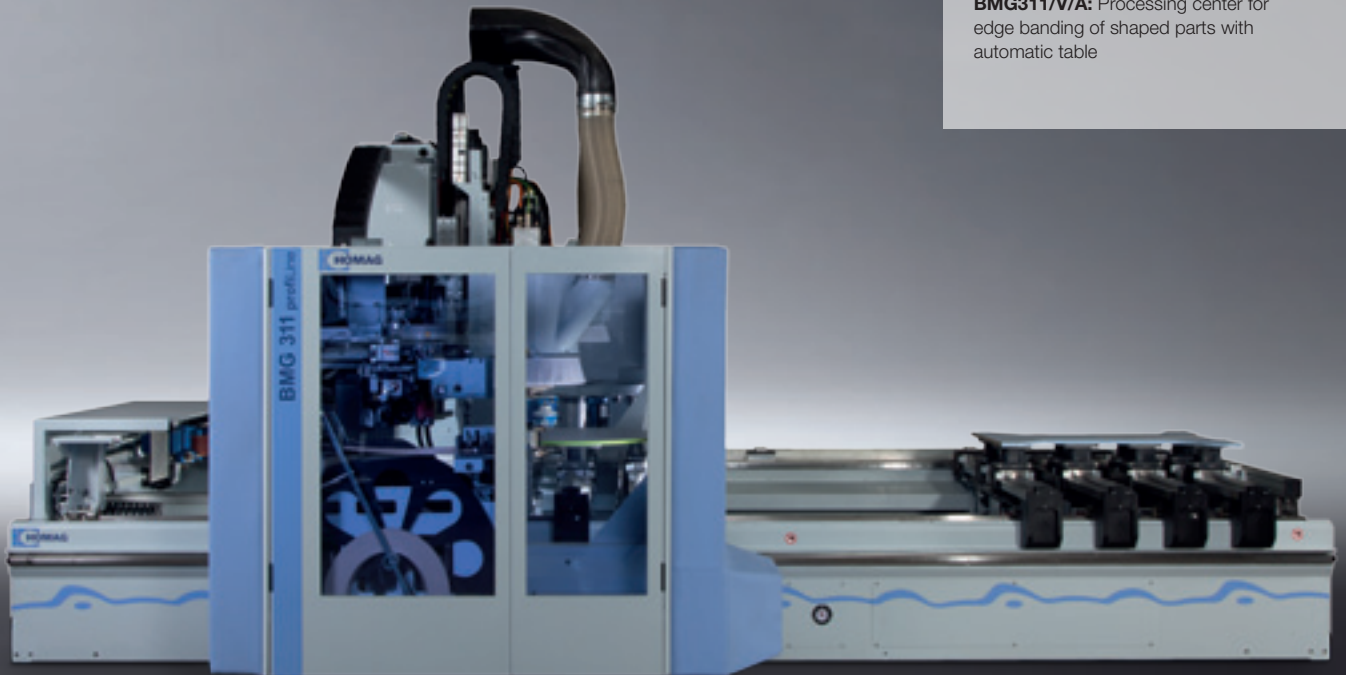
Effective suction with low connecting power through optimized collection and removal of chips. Reduced consumption of electricity through Stand-by operation of all performance components by pushing a button or automatically by time interval. Reduced air consumption through optimized pneumatic components.

BMG311/F/K: Processing center with five axis spindle for universal processing in joinery and general woodworking

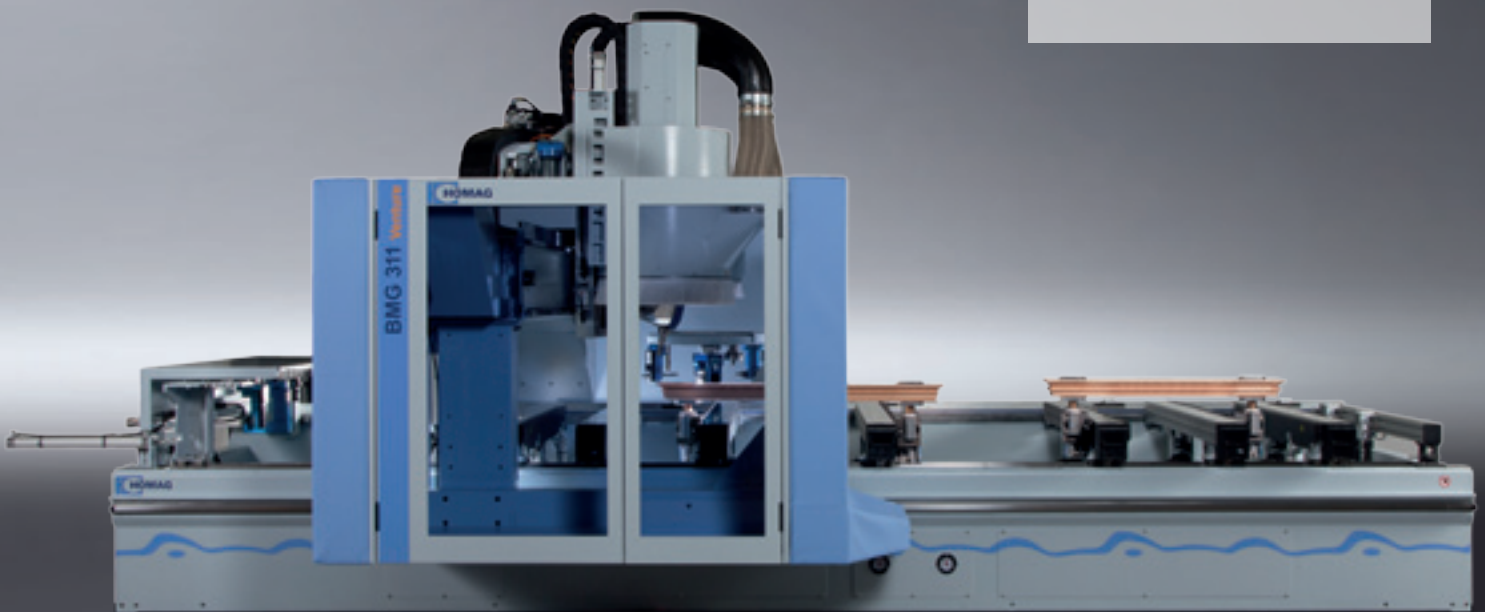


BMG311/R: Processing center with aluminium matrix table for processing of technical components, shaped parts and Nesting





BMG311/V/A: Processing center for edge banding of shaped parts with automatic table

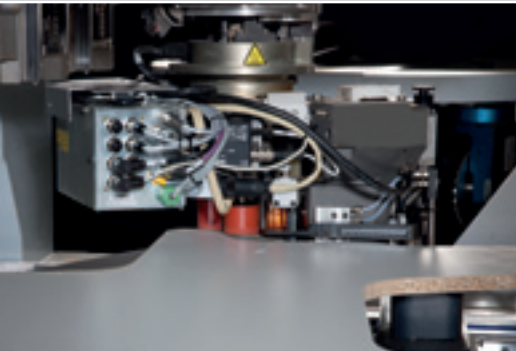


BMG311/M/K: Processing centre with 3-step clamping system for window manufacturing

As individual as your requirements

Deciding in favour of a HOMAG machine means investing in a highly efficient processing centre with the capability to fulfil wide-ranging different manufacturing requirements. Each machine is a complete system guaranteeing maximum output and efficiency every time – no matter how individual your production requirements are.

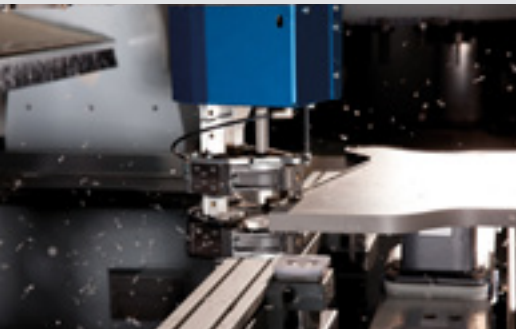
Edge banding



360° edge banding with the **powerEdge** edge banding unit



Gluing unit **easyEdge** for efficient banding onto shaped components



Perfect edge finish with traced combination flush trimming / scraping unit

Drilling & trimming



High-speed drilling technology with grooving saw

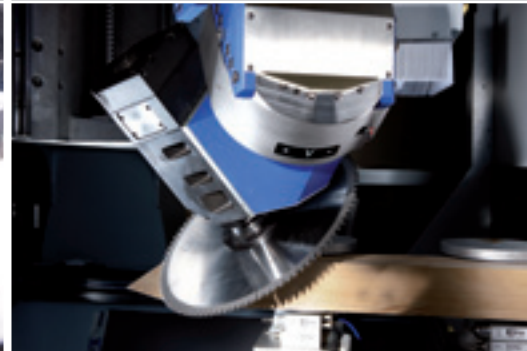


Chamfer trimming on a table top



Square corner routing for a glass rebate

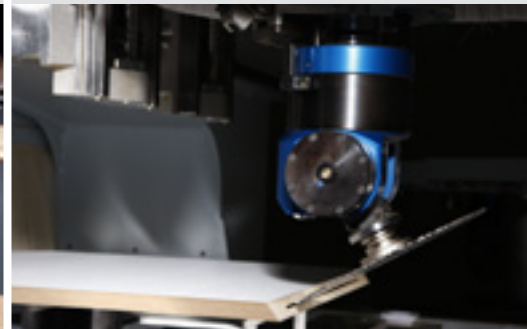
Cutting to length & connecting



Mitre cut with high cutting depth for frames



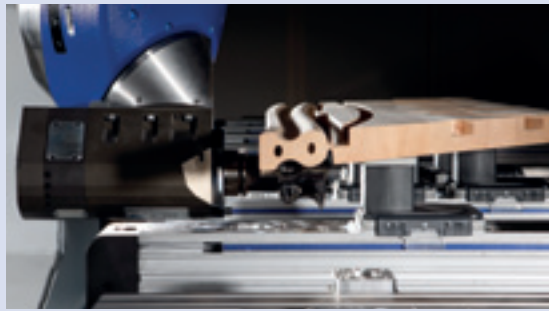
Routing of a dovetail joint for upright / transom constructions



Trimming of inclined grooves for panel connection



The Venture program: with just 3 steps to the right configuration for your needs.

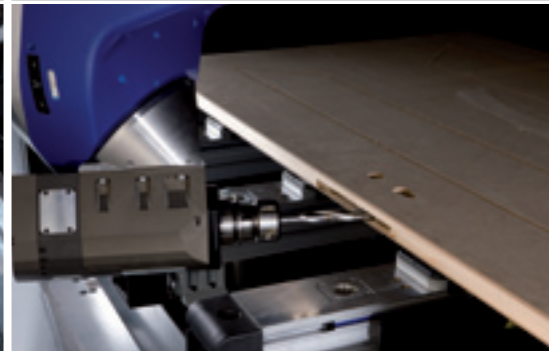


Processing window components



Processing arched components

Processing doors

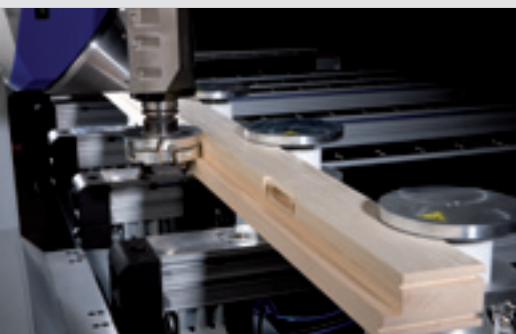


Lock case routing

Processing stairs



Routing of a stair hand rail



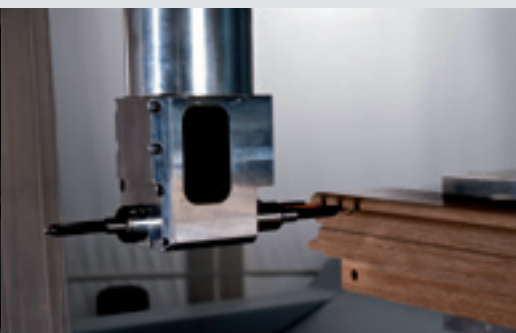
Clamping and profiling frame components



Step drilling for drill-in hinges



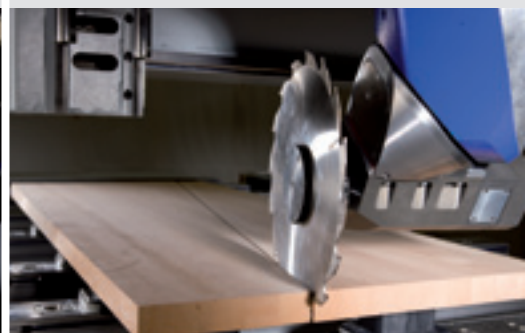
Holes for paling at narrow angles



Precise-fitting corner dowel connections



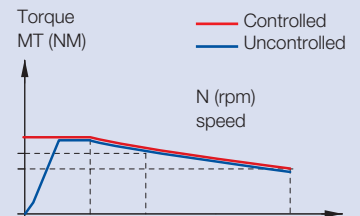
Precise, splinter-free miter cuts



Dividing cuts up to 110 mm in height

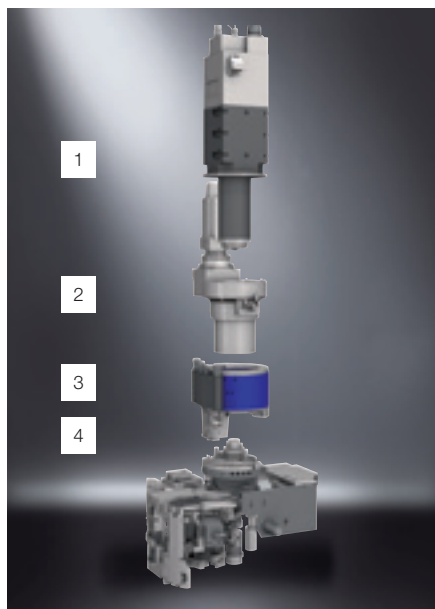
Trimming spindles

Our working spindle technology sets whole new standards, enhancing both the performance and flexibility of our machines. For instance the enormous benefit of a controlled working spindle with electronic speed monitoring. Other highlights include the vibration sensors for preventing damage to the trimming spindles, the sensoFlex tracing system and five-axis technology. Select your spindle to suit the needs of your present and future product spectrum.



4-axis trimming spindle with unit interfaces

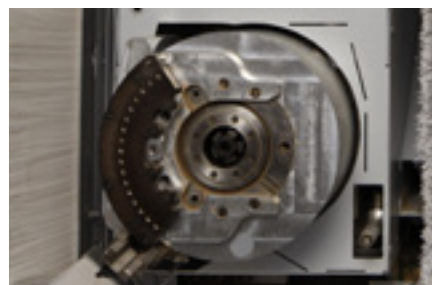
The unit interfaces open up practically unlimited production scope. Using patented technologies, the assignment spectrum can be extended at any time.



- 1 AC motor with fluid cooling
- 2 Interpolating C axis
- 3 E interface
- 4 FLEX5(+) interface

Electronic interface

Patented technologies such as the electronic interface offer scope for upgrading the application spectrum of your processing centre: This also includes the use of edge banding units. The control signals and necessary energy, for example to melt the glue, are transmitted to the unit.

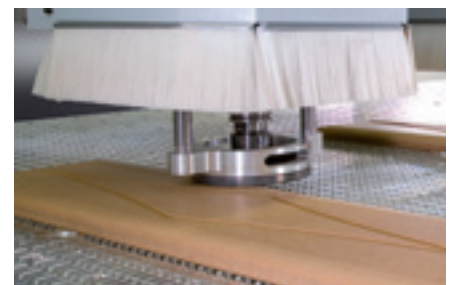


Fluid cooling and spindle sensor

Fluid-cooled trimming spindles with hybrid bearings offer a long service life. An additional vibration sensor detects tool imbalance and protects the spindle from overload, for instance due to excessively high feed rates.

sensoFlex tracing system

- Perfect workpiece quality – the traced spindle compensates for unevenness and unwanted tolerances
- Tracing facility for different tools ensures complete flexibility



Minimum quantity lubrication

Machining of aluminium with minimum quantity lubrication through the unit or by means of an external spray pipe at the spindle for maximum care of tools.



Five-axis trimming spindle

Compact DRIVE5C/+ five-axis spindle with 10 kW output (optionally 12 or 15 kW) and a controlled spindle speed of 0 to 24,000 rpm for high torque even at low speeds.

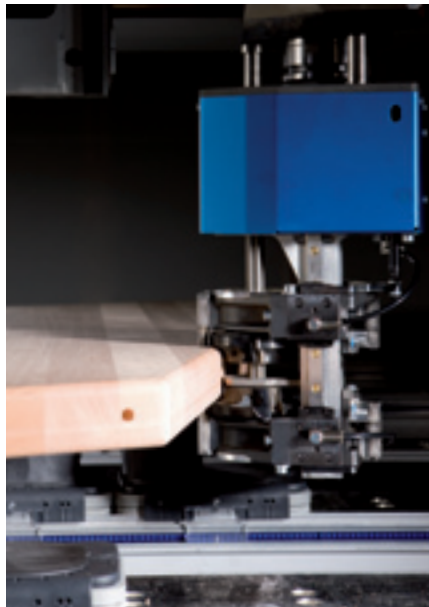
Tool and unit interface with pneumatic

The patented interface with threefold support and pneumatic at all C-axes and five-axis-heads opens up practically unlimited production scope in conjunction with the HOMAG Group unit technology.

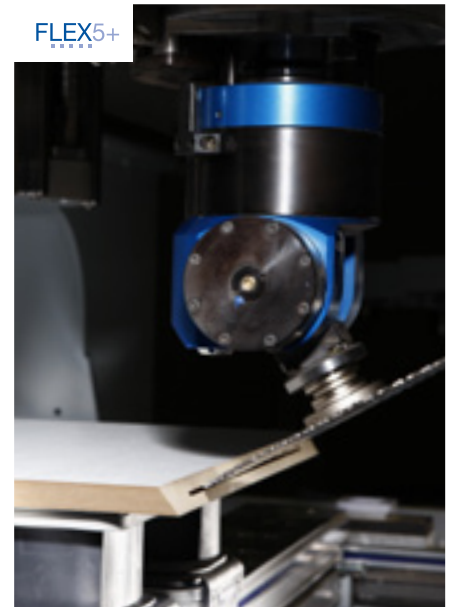
Sawing, trimming, drilling at any angle

FLEX5+ unit with automatic angle adjustment and automatic tool change. A unique unit for 4-axis spindles which covers over 90% of five-axis applications.

DRIVE5C
HOMAG



FLEX5+
HOMAG



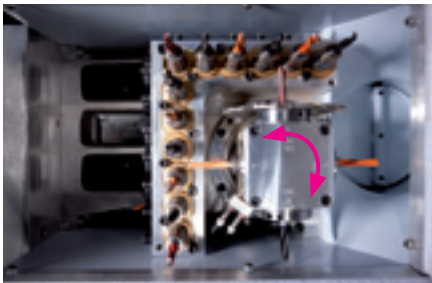
Example: three side traced flush trimming unit for precise rounding top and bottom independent of thickness tolerances.

Drilling systems to the highest standard

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

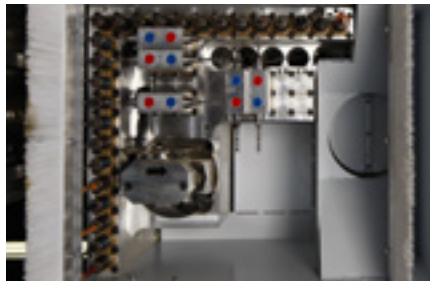
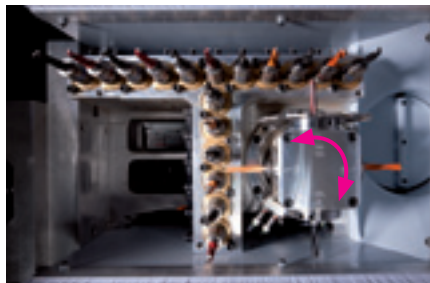
Drilling head V12/H4

HIGH-SPEED drilling head up to 7 500 rpm with 12 vertical spindles, grooving saw and 4 horizontal spindles with 0/90° swivel facility. Fast drilling including grooving in the X/Y direction.



Drilling head V17/H4

HIGH-SPEED drilling head up to 7 500 rpm with 17 vertical spindles, grooving saw and 4 horizontal spindles with 0/90° swivel facility. Fast drilling including grooving in the X/Y direction.

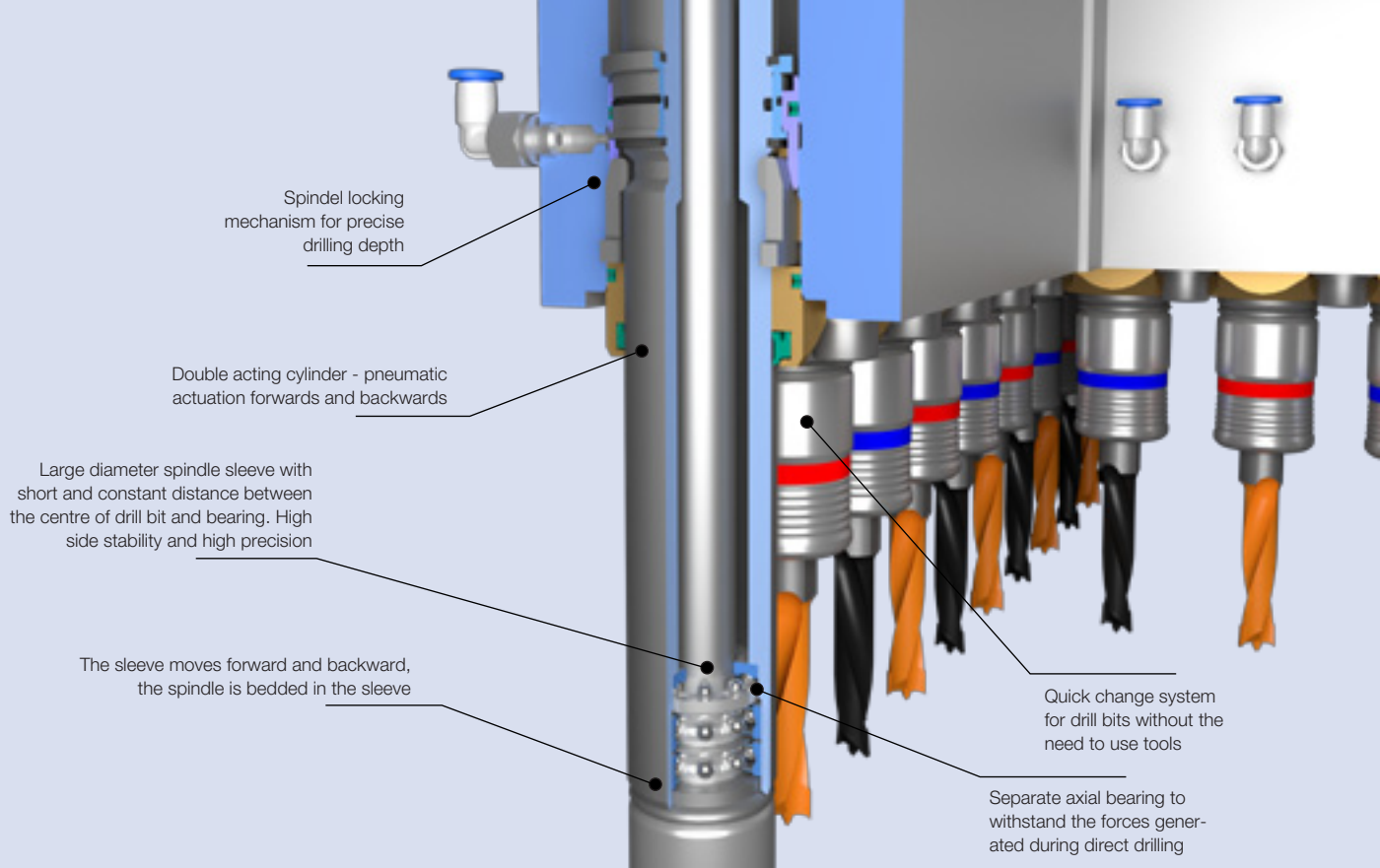


Drilling head V9/H4

HIGH-SPEED drilling head up to 7 500 rpm with 9 vertical spindles and 2 horizontal spindles in the X direction and 2 in the Y direction

Drilling head V25/H10

HIGH-SPEED drilling head up to 7 500 rpm with 25 vertical spindles, 6 horizontal spindles in the X direction and 4 in the Y direction including grooving in the X direction.

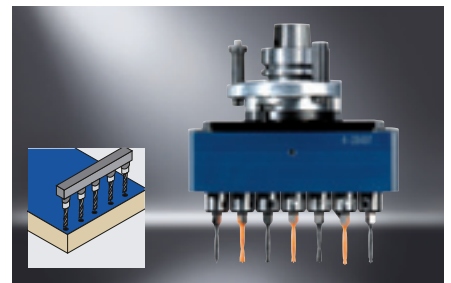
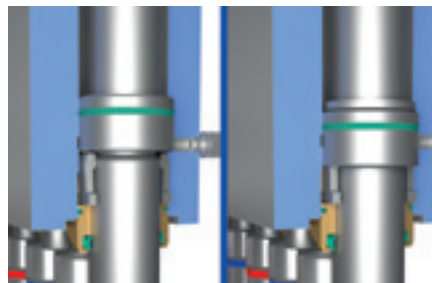
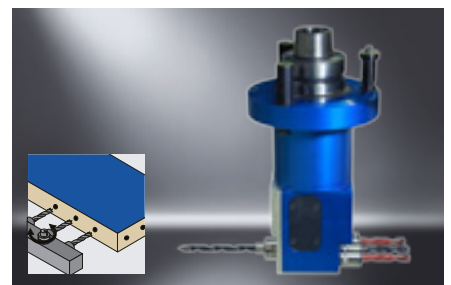


Drilling unit 3+1 spindles

The dowelled corner connection has become an ever more established technique in the window production sector. Alongside sash bar and transom boreholes, this unit can also be used for the efficient production of corner connections with different drilling patterns using three boreholes in a single cycle (spacing pattern 20 mm or 32 mm).

Quick-change system

Patented quick-change system for drill bit changeover without tools to reduce set-up times.



Drilling head with spindle locking mechanism

Automatic spindle locking mechanism: Patented system for precise drilling depth every time even with different materials. With speeds ranging from 1 500–7 500 rpm for high feed rates / short drilling cycles (appr. 1.5 sec.).

Drilling head, 7 spindles in a 25 mm spacing pattern

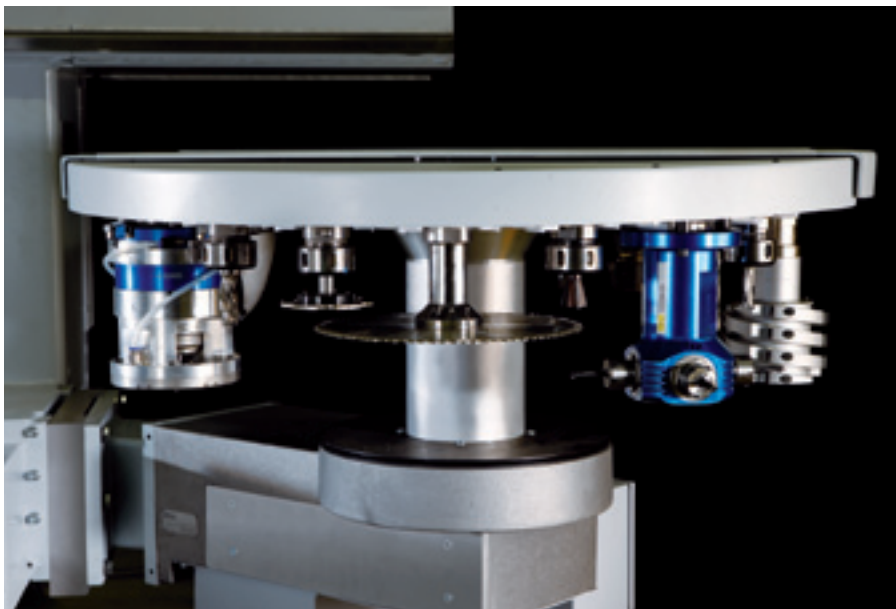
Specifically for the office furniture sector, 7 holes can be drilled simultaneously at any angle. As an addition to the drilling head with popular 32 mm spacing pattern, a high degree of flexibility is achieved with minimal production times. On request, other distances and drill bit numbers are possible, for example for cup hinge hardware drilling in a single work process.

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.

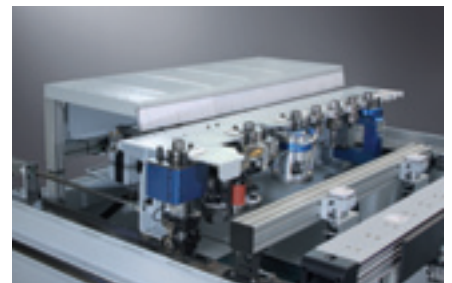
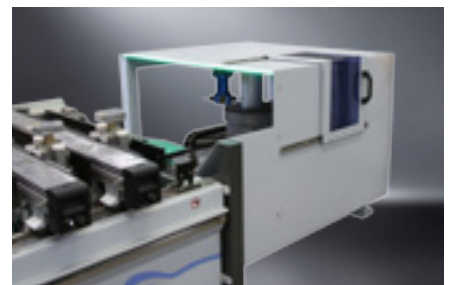
14-/ 18- slot plate changer

For 14 or 18 tools and units with a diameter of up to 200 mm. A saw blade with a diameter of up to 350 mm can be accommodated in the changer.



Side tool changer

Additional tool change magazine with 18 slots, laterally mounted.



Linear changer

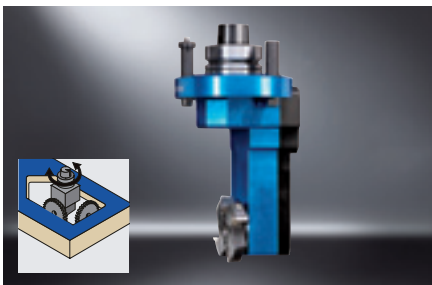
Additional tool change magazine, with 8/9 slots and integrated tool transfer station, laterally mounted. The magazine also accommodates the pickup station for the **easyEdge**-unit.

Units

Excellent processing quality and top marks in terms of speed. HOMAG Group processing units make available a range of innovative technologies. They can be combined and coordinated precisely to address your own specific application situation. Even special, non-standard assignments are reliably and efficiently processed.

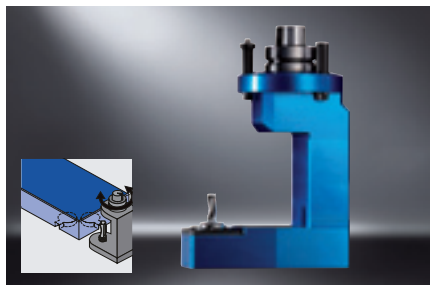
Edge notching unit

For the production of right-angled, splinter-free, sharp-edged recesses, for example for efficient processing of door glazing cutouts, sink cutouts in kitchen worktops.



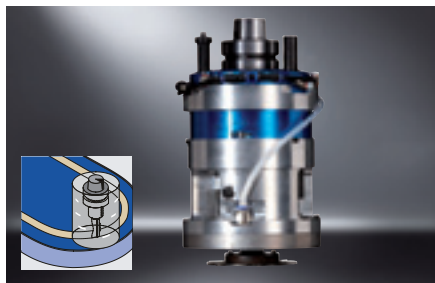
Underside trimming unit

For trimming and drilling the underside of workpieces, e.g. recesses for kitchen worktop connectors or hardware holes in the edge area without the need to flip the workpiece. The maximum distance to the workpiece edge is 110 mm and the maximum tool projection is 30 mm.



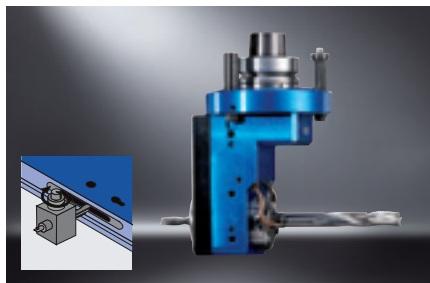
2+2-spindle drilling/trimming unit

The 4-sided spindle outlet makes available four different drilling and trimming tools without tool change. Continuous shaft for greater rigidity and processing without change of direction when using clockwise and counterclockwise rotating tools, e.g. when trimming out recesses for door hinges.



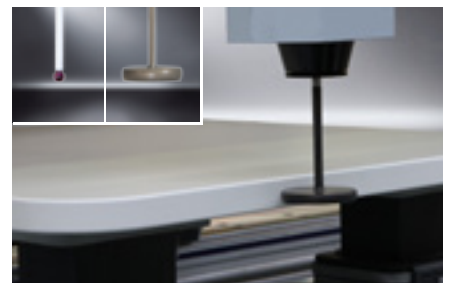
Vertically traced trimming unit

By means of a tracing ring with dia. 70 mm / dia. 130 mm, or tracing pad, it is possible to perform operations such as pocket trimming in precise relation to the workpiece surface. When connecting kitchen worktops, tracing guarantees an offset-free transition by precise trimming of grooves for the tongue and groove joint.



Lock case trimming unit with 2 toolholders

For trimming operation such as lock cases and lock face plates in doors, with integrated air jet for optimum chip discharge. The unit has a two-sided spindle outlet for two tools with a maximum useful length of 135 mm / 35 mm.



Measurement probe

Tracing system to determine the actual X, Y and Z axis measurement of relevance for processing with automatic correction offset in the processing program.

Innovative edge banding technology for all

HOMAG Group processing centers are ideally prepared for the use of ultra-modern edge banding technologies. The edge banding units are offered in a variety of performance categories and can be ideally coordinated to address your individual production requirements. Their patented electronic interface makes them easy to operate and ensures optimum control precision.

powerEdge edge banding unit

The **powerEdge** edge banding unit is the culmination of experience gathered from over 2,000 processing centres for edge banding and forms the basis for a complete family of edge banding units to cover a wide variety of applications.



Using the electronic interface, additional energy is transmitted for heating, as well as control signals for high-precision, automatic butt joint edge banding. The interface offers the unique flexibility needed to use even different edge banding units on a single processing centre, or to use the processing centre for other tasks during maintenance of the edge banding unit.

easyEdge edge banding unit

The world's smallest edge banding machine – affordable, simple, efficient. The universal solution for edging small workpiece quantities with veneer edges, ABS edges, PP edges, melamine edges and thin PVC edges. In conjunction with a manual snipping unit, it is even possible to perform 360° butt joint edge banding in craftsmanship quality.



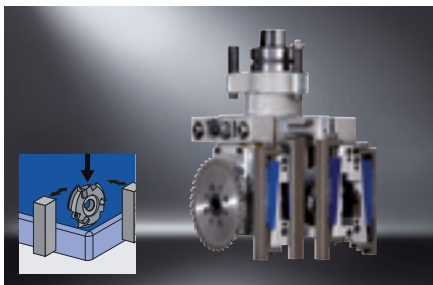


easyEdge and DRIVE5C+

The perfect combination of edge gluing and high-performance 5-axis processing. The DRIVE5C+ spindle engages the easyEdge unit directly from the pickup station in the lateral linear changer, the edging material is fed in – done.

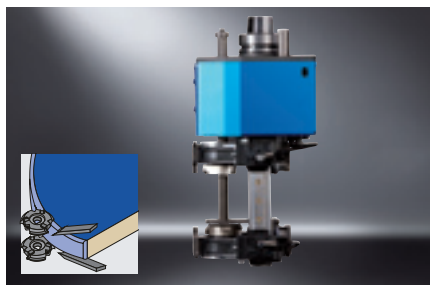
Combined snipping and corner rounding unit

Already edged rectangular workpieces are often finish processed on a processing centre, for instance to produce bevels or rounded contours. For finish processing, this patented unit provides, alongside traced cross-cutting of overhanging edges, also precise corner rounding of edges up to a thickness of 3 mm at a 90° workpiece corner.



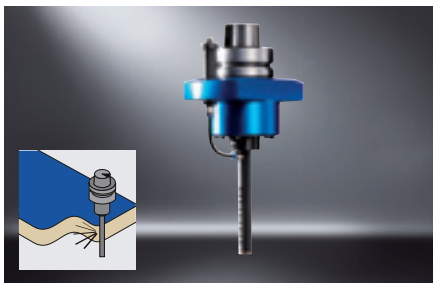
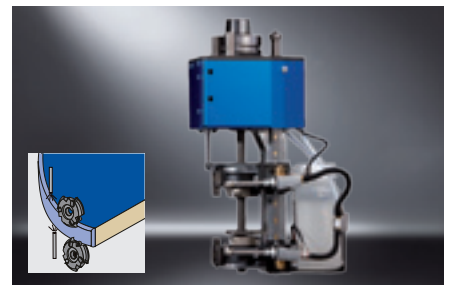
Combined flush trimming - scraper blade unit

Combination unit for flush trimming the edge overhang and for scraper blade finishing. This removes cutter marks and other unevenness on the edge profile. Three-sided unit tracing compensates for workpiece and edge tolerances and guarantees a high standard of processing quality. The unit is available for workpiece thicknesses of 60 mm and 100 mm.



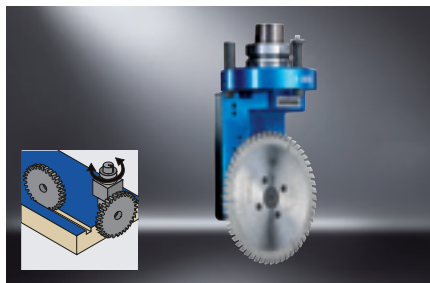
Flush trimming unit with separating agent

Separating agent application during flush trimming reduces the amount of glue residues on the workpiece and often eliminates the need for scraping the glue joint with a glue joint scraper blade unit (depending on the glue and edging type and on the quality expectations). (Two versions are available for workpiece thicknesses 60 mm and 100 mm.)



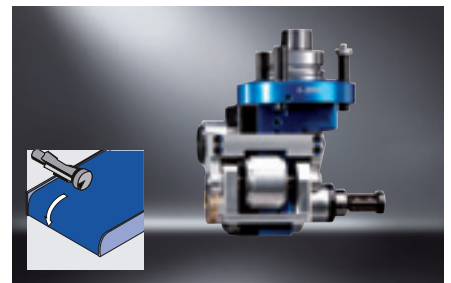
Air jet nozzle

For cleaning the trimmed edges of dust and chips, ensuring optimum quality of the glue joint when edge banding.



Sawing and snipping unit

The position of the saw blade in the centre of the C axis permits special high-precision snipping cuts to be performed during edge banding. All other sawing operations can naturally be performed up to a cutting depth of 65 mm.



Horizontally traced trimming unit

By means of a tracing roller, horizontal trimming operations are performed precisely relative to the workpiece surface, e.g. during flush trimming of overhanging edges on the postforming profiles of a kitchen worktop. The diameter of the tracing roller and trimming tool are coordinated, generally to 20 mm.

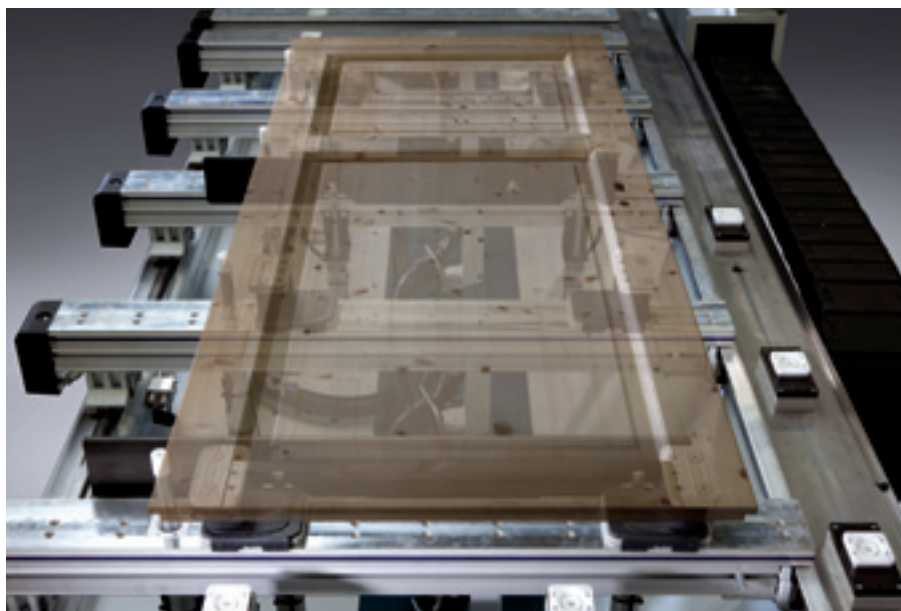
Clean, fast: the console table

The classic with the dual-circuit vacuum system: Easy, practical and fast: Through the patented system of the magnetic valves the vacuum cup and other clamping devices can be put on the console in any number and on any position. Not used suction points do not need to be covered. Unified height for all clamping devices allow to combine them among themselves. The K-table is the ideal solution, if flexibility, secure clamping of different parts and fast exchange are required. .



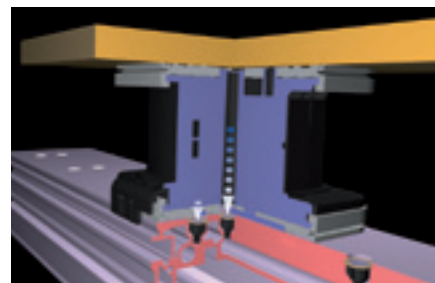
Linear guide and insertion aid

Simple handling by consoles with high-precision linear guides and durable insertion aids with two pneumatic cylinders. Vacuum and compressed air connections are integrated in the consoles for pneumatic clamps and clamping templates.



Bolts with end position scanning and for laminate overhang

Stop bolts with end position monitoring to protect tools, units and machine operating staff. Exchangeable stops specifically for workpieces with laminate overhang.



Dual circuit vacuum system

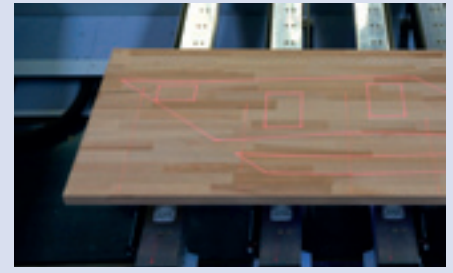
Exclusive vacuum clamping technology with patented double sealing lip for the stepless displacement of clamps along the console. The first clamping circuit fixes the clamps in the console and prevents unwanted displacement. The second then holds the material firmly in position.



Suction cups are displayed using a laser beam (cross hairs). The workpiece contour can be “travelled” as a positioning aid for freeform parts.



LED system – both the fastest and safest positioning system for consoles and clamping elements (patented).



Laser projection of the clamps and the workpiece contour for optimum utilization and simple positioning of raw parts which cannot be aligned at the stops.

powerClamp

Manual clamping fixture **powerClamp** for straight and curved parts. Ideal for all arched, narrow and frame parts.



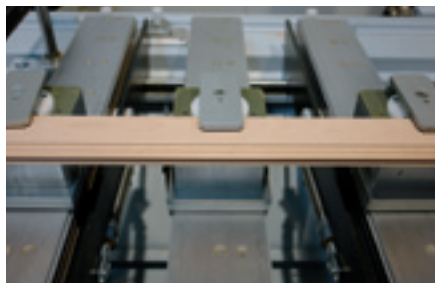
Clamping device

Uprights and staves can be securely clamped in no time using this clamping device.



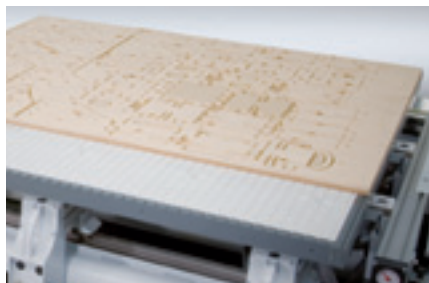
3-step clamp

Highly rigid 3-step clamps with extreme clamping height for precise complete processing of window and front door components without subsequent outside moulding and profiling.



Multiclamper for dual circuit vacuum system

Vacuum actuated clamping element for clamping strips and staves



Matrix adapter plate

Highly flexible clamping systems offer secure fixture even when working with filigree workpieces. The matrix adapter panel even permits shaped components to be “cut to size” with optimized cutting waste on a console table machine using the nesting process.

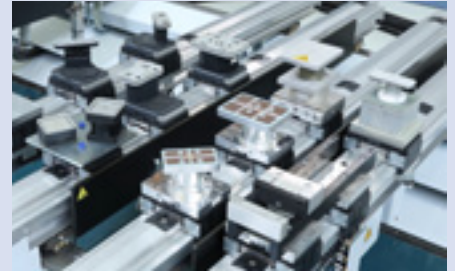


Vacuum clamps made of aluminum

Vacuum clamp in aluminium with additional mechanical clamping operation at the console for engaging solid wood parts. The suction plate can be rotated and also exchanged, and is lined with emery cloth.

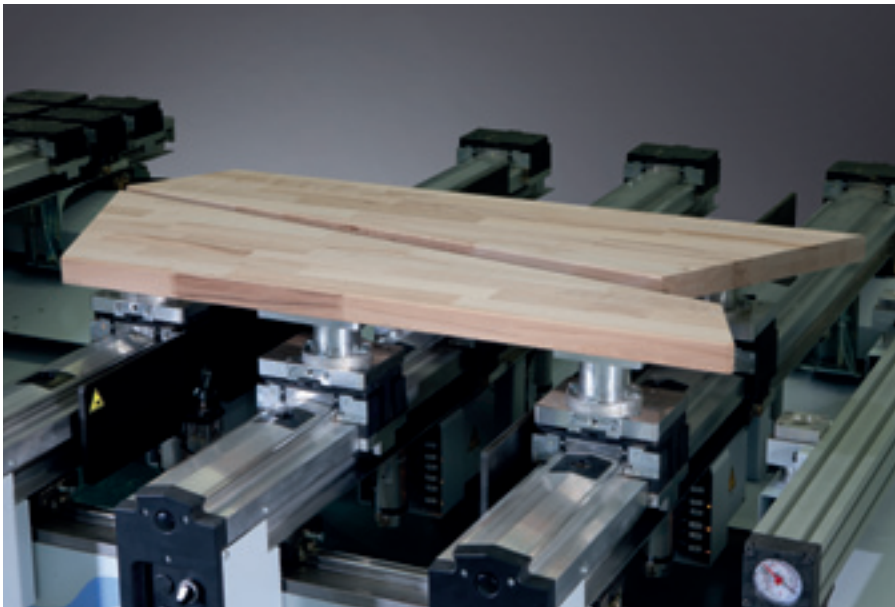
Automatically in the right position: The A table

The A table is the key to greater convenience and automation. The program-controlled positioning of consoles and clamping elements allows batch size 1 operation without manual intervention and allows workpieces to be moved apart after the execution of a dividing cut.



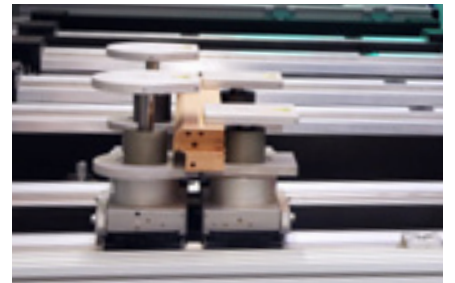
movePart

The clamps move apart automatically in the program sequence after separation for complete processing.



powerClamp

powerClamp clamping fixture for straight and curved parts. Ideal for all arched, narrow and frame parts. Also with automatic reclamping for 5-sided processing.

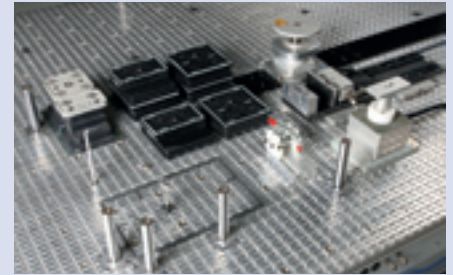


Clamping device

Uprights and staves can be securely clamped in no time using this clamping device.

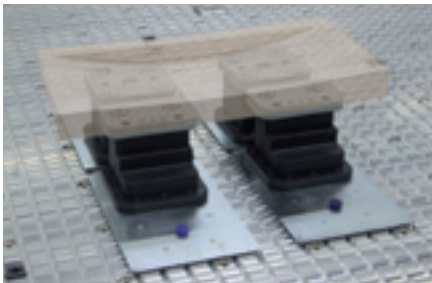
Versatile application: the matrix table

The grooved aluminium matrix table permits the positive locking of clamping elements and consequently reliable workpiece fixture even where high hogging forces are involved. The transmission of vacuum through the table construction optimizes distribution of the vacuum, reduces leaks and transmission losses and does away with the need for complex installations. Using different clamps with variable clamping heights, the matrix table is also suitable for the use of units.



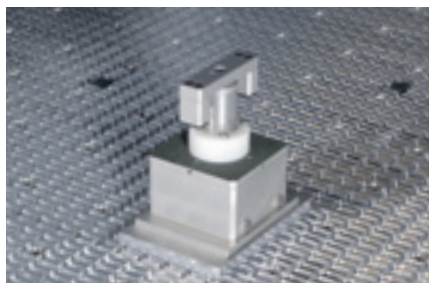
Maxi-Flex system

Freely equippable system base plate for vacuum clamp.



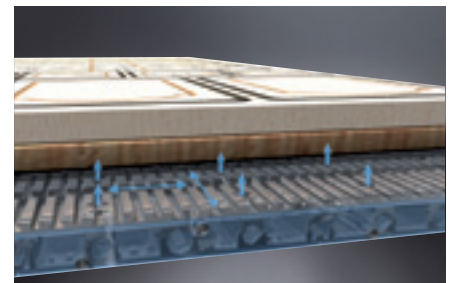
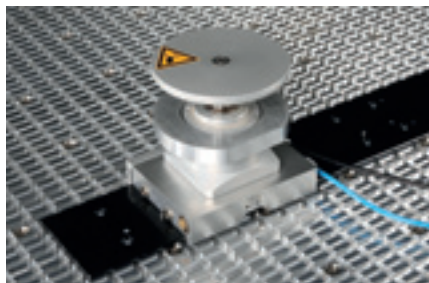
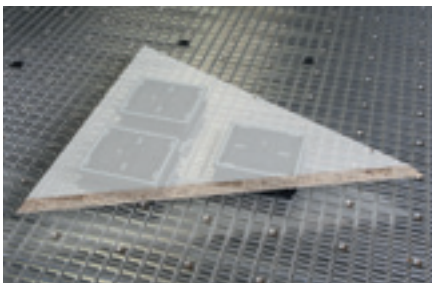
Multiclamp

Vacuum actuated clamping element for clamping strips and staves.



Fixture using non-standard clamps

The aluminium grid table with dovetail guides guarantees precise, positive fitting clamping element fixture.



Rail for powerClamp clamping elements

Rail for fixture of the **powerClamp** clamping elements from the K table range for pneumatic clamping of wooden staves, arch parts or stacks of panels. Mechanical fixture of the rail in the system groove is possible in both directions on the table. Alignment of the clamping elements with stop pins.

Vacuum grid table with air cushion function

The vacuum transmission is integrated in the design of the aluminium grid table. Division into zones and efficient vacuum pumps ensure reliable clamping, even for nesting processes with underlay panels. The air cushion function makes light work of handling large-format panel-shaped workpieces.

Better the automatic way: Made to measure manufacturing solutions

Using intelligent solutions, we turn CNC processing centres into complete production cells with automatic material handling and specific supplementary functions. This is how to make optimum use of your machine and achieve maximum output. All these benefits are made possible using innovative system technology based on long years of experience in the construction of complex plants of all different sizes all over the world.



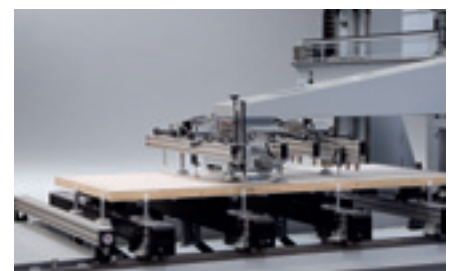
TBA feeder attachment

Simple, space-saving entry into the world of automation with the TBA feeder attachment mounted laterally at the machine. Reliable handling, precise positioning and integrated workpiece cleaning. Extreme operating and programming simplicity through direct use of the woodWOP processing program.



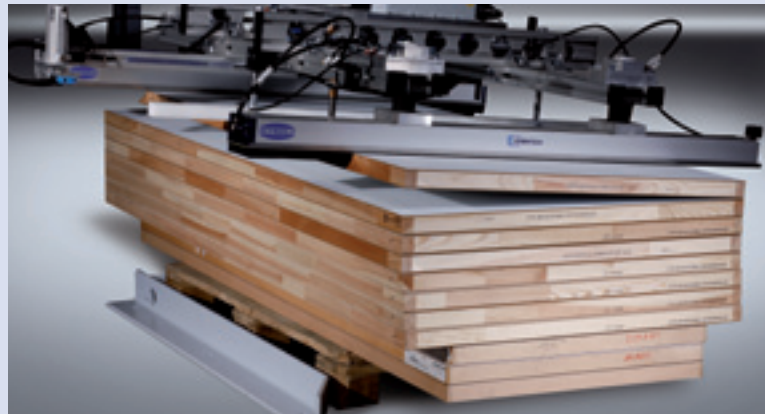
Gripper technology with a system

Integrated sensor functionality prevents errors as a result of adhering parts, while monitoring that workpieces are correctly picked up.

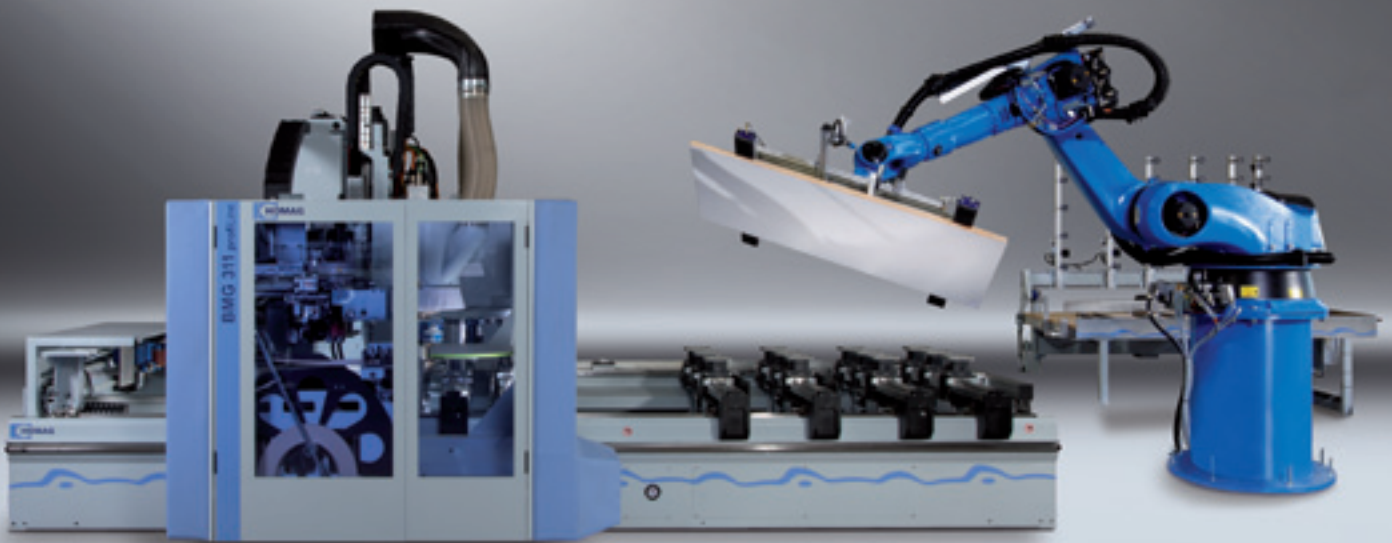


Alignment against stops

Articulated suction grippers permit precise positioning of workpieces against the stops on the machine table.



Handling automation: safe, material friendly and economical.



Robot handling systems

Unlimited workpiece handling with different layer patterns, storage positions, alignment and flipping. Supplementary functions such as labeling, position measurement or cleaning can be simply integrated.



Alignment, validation and turning over

Free robot movement in up to 6 axes permits additional functions to be simply integrated into the process (e. g. turn over function for processing on both sides).



Cell control and visualization

For reliable, efficient cell operation, in particular with batch size 1 production, HOMAG offers a simple, intuitively operated user interface for visualization and control of the entire cell.

HOMAG software:

The basis for simple, efficient operation

Our processing centres are one thing – the software needed for their convenient, simple operation day in, day out is another. This is why HOMAG software guarantees extreme flexibility and operating reliability. A matter of course at HOMAG: interfaces to external programming and design systems, help programs for interleaving and modules to help you monitor your machine and track its performance.

powerTouch is the latest operating philosophy of the HOMAG Group. It combines design and function to create a completely new control generation. The new system is characterized by the full HD multitouch monitor, ergonomic touch operation, simple navigation and the standardized user interface.

For more information, refer to our brochure Software for processing centres.

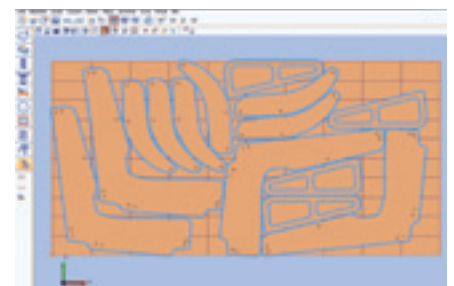
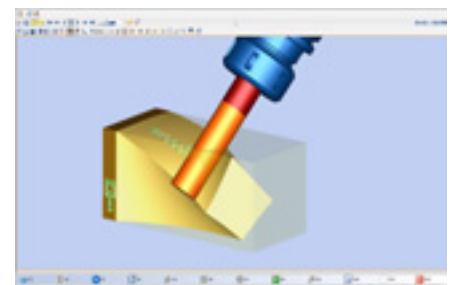
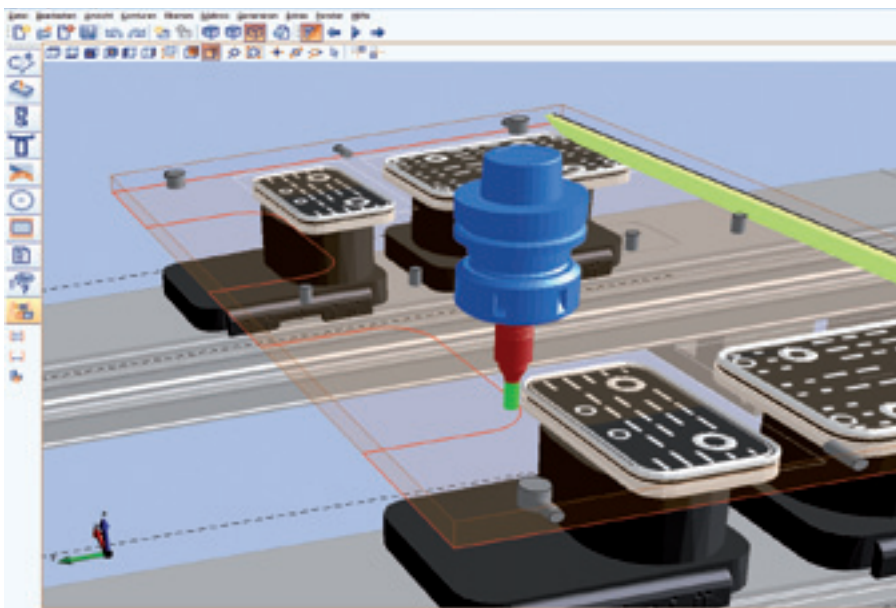


woodWOP - streamlined operations through fast programming

- Fast, intuitive operation based on simple, direct navigation
- Free use of variables for flexible variant programming
- Fast creation of your own subroutines
- More programming reliability with 3D graphics of workpiece, processing operations and clamps
- High degree of operating convenience due to freely configurable windows, multi-screen capability, language-neutral input screens, help graphics and much more
- Biggest forum for CNC programming in the Internet: www.woodWOP-Forum.de

woodWOP CAM-Plugin

- CAD/CAM functions integrated directly in woodWOP
- Fast constructing of 3 surfaces in CAD-Plugin or through import of 3D models
- Automatic generation of tool paths for roughing, smoothing and sizing of 3D objects
- Safe working as the tool paths and travelling ways are graphically indicated and simulated in woodWOP



CAD-Plugin

- CAD functions integrated directly in woodWOP
- CAD drawings can be generated directly at the machine and at the production engineering workstation
- Import of CAD drawings in DXF format
- Intuitive operation and fast familiarization with a standardized user interface

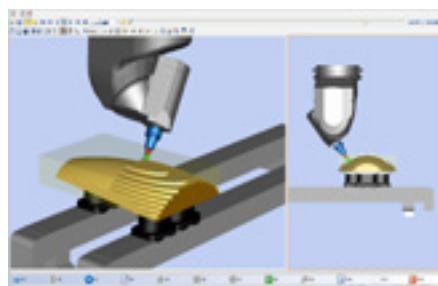
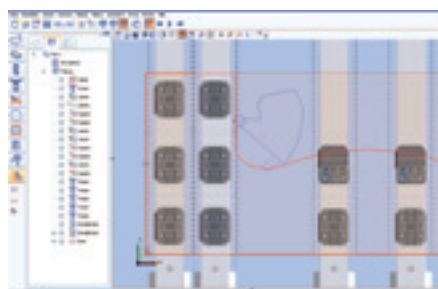
Cut Rite optimization Nesting

- Nesting software for automatic interleaving of workpieces on a raw panel
- Material cost savings due to optimum utilization of the raw panel
- Individually adjustable optimization parameters help reduce overall processing time and take care of process reliability



woodWOP Wizard – your automatic route to the perfect edge

- Automatic generation of the complete processing sequence for edging
- Generation of all processing steps such as rough trimming, jointing trimming, edging, snipping, flush trimming and scraping
- Takes into consideration workpiece geometry, edge transitions and edge type
- Time savings of over 90 % compared to conventional programming

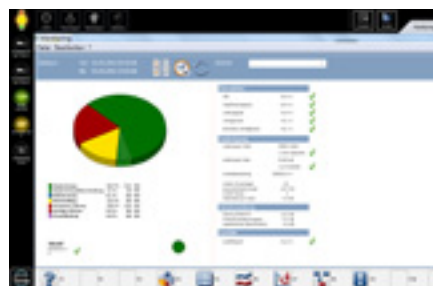


woodMotion - processing program simulation

- Graphic simulation of the CNC program at the office PC
- Reduction of machine running-in time due to optimum program preparation
- Simulation of 5-axis processing including material removal
- Display of real processing time
- Collision monitoring between the tool and clamping elements

woodScout - help in your own language

- Optional high-performance diagnostic system
- Graphic display of the fault location at the machine
- Clearly understandable plain text error messages in different languages
- Learning capability through the assignment of root causes and remedial actions (expert knowledge)



Machine data acquisition MMR – for a productive environment

- Registration of piece numbers and ACTUAL operating times at the machine
- Integrated maintenance instructions for the optimum time and quality-based planning and execution of maintenance work
- Optional professional version permits detailed breakdown and logging of registered data

collisionControl – Permanent safety for your machine

- Monitors possible collisions between machine components and clamps during processing
- Automatic machine stop in the event of an impending crash situation
- Display of the crash situation in the form of a snapshot with collision bodies shown up in colour
- Depiction of the machine as a moving 3D model in live operation



Graphic tool database

- Dimensioned graphics for simple set-up and management of tools and units
- 3D view of tools

The complete range of services



lifeline | service

The sale of our machines comes with all-in optimum service backup and individual advice. We place the entire wealth of our extensive expertise at your service, both at the procurement stage and during running operation. The **HOMAG Group lifeline | service** ensures optimum availability and economical production – over the entire life cycle of your machine.





The ServiceBoard mobile application reduces costs through fast assistance in case of faults with live video diagnostics, online service report, online spare part shop eParts



Low energy costs

- Intelligent stand-by operation reduces energy costs during break times or in case of partial capacity utilization by up to 10 %, saving up to 8 000 kwh of power per year
- A flap control system switches the volumetric flow of the extraction system to the processing units actually in use. This cuts up to 20 % of the costs for extraction, corresponding to a saving of up to 12 000 kWh per year



Value stability and long machine service life

- Facility for continuous upgrading of processing centre functionality using standardized interfaces ensures compliance with future production requirements
- The HOMAG conversion department offers solutions to address major conversion requirements, ensuring a high degree of investment security over years

Optimum financing

- HOMAG Finance offers optimized financing concepts based on individual business administration requirements
- The outstanding value stability of HOMAG processing centres offers benefits in terms of leasing and subsequent replacement investment



High degree of availability through preventive maintenance and worldwide service

- Worldwide service with over 500 technicians
- Regular inspections and preventive maintenance help avoid machine faults and extend service life
- MDA software informs the machine operator about scheduled maintenance requirements and provides cost transparency for calculation
- TeleServiceNet – our “eye” into the machine avoids costly on-side services
- woodScout diagnostic software – intelligent self-help for all machine operators



For additional software packages, please request our brochure “Software for processing centres”



For other applications, please apply for our unit and clamping element catalogue.



The Venture program: With just 3 steps to the right configuration for your needs.

Technical data BMG 300

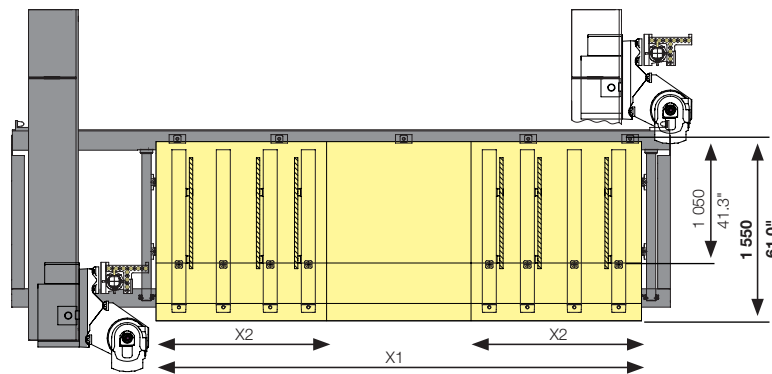
Machines with 5-axis spindle

Model	X = Workpiece length [mm]				Y = Workpiece width [mm]			Workpiece thickness [mm]
	all units		with tool diameter 25 mm		A = 0° with tool diameter 25 mm	A = 90° with tool length 230 mm	A = 0° all units A = 90° with tool length 230 mm	
	Individual processing (X1)	Alternating processing* (X2)	Individual processing	Alternating processing*	Rear stop	Rear stop	Front stop	From console
BMG311/33	3 300 129.9"	1 020 40.2"	3 475 136.8"	1 200 47.2"	1 550 61.0"	1 400** 55.1"	1 050** 41.3"	270 10.6"
BMG311/42	4 200 165.4"	1 470 57.9"	4 375 172.2"	1 650 65.0"	1 550 61.0"	1 400** 55.1"	1 050** 41.3"	270 10.6"
BMG311/60	6 000 236.2"	2 370 93.3"	6 175 243.1"	2 550 100.4"	1 550 61.0"	1 400** 55.1"	1 050** 41.3"	270 10.6"

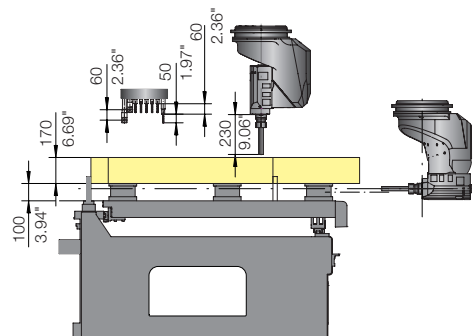
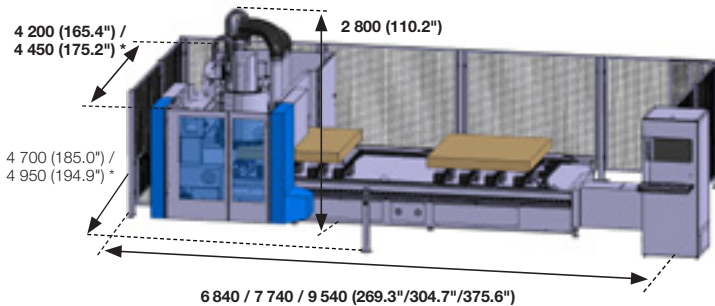
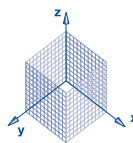
* Dimension with central division. Size of alternating field dynamically adapted to component size.

** Overall length of tool for rear processing operations max. 150 mm.

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



X1 = Single operation
X2 = Alternating workpiece processing



* Depending on the machine configuration

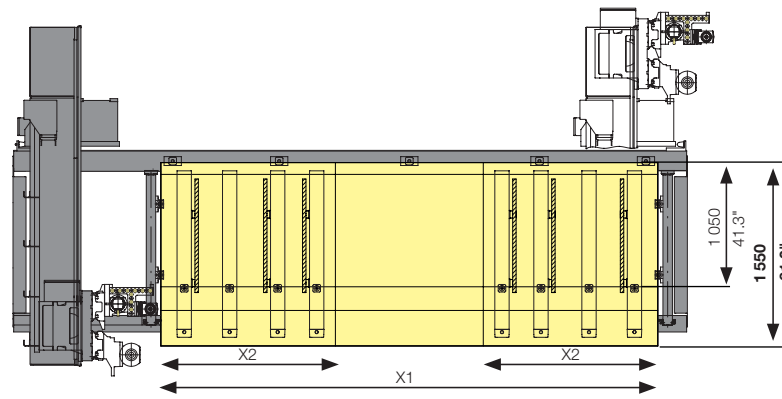
Machines with 4-axis spindle

Model	X = Workpiece length [mm]				Y = Workpiece width [mm]				Workpiece thickness [mm]
	all units		with tool diameter 25 mm		with tool diameter 25 mm		All units in main spindle		
	Individual processing (X1)	Alternating processing* (X2)	Individual processing	Alternating processing*	Rear stop	Rear stop	Front stop	Rear stop	From console
BMG311/33	3 300 129.9"	1 020 40.2"	3 475 136.8"	1 200 47.2"	1 550 61.0"	1 400 55.1"	1 050 37.4"	1 500 59.1"	270 10.6"
BMG311/42	4 200 165.4"	1 470 57.9"	4 375 172.2"	1 650 65.0"	1 550 61.0"	1 400 55.1"	1 050 37.4"	1 500 59.1"	270 10.6"
BMG311/60	6 000 236.2"	2 370 93.3"	6 175 243.1"	2 550 100.4"	1 550 61.0"	1 400 55.1"	1 050 37.4"	1 500 59.1"	270 10.6"

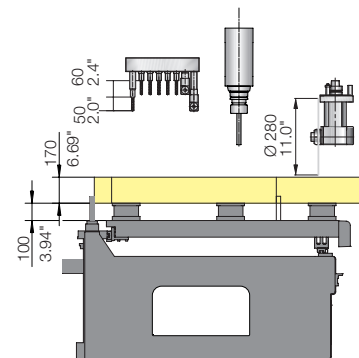
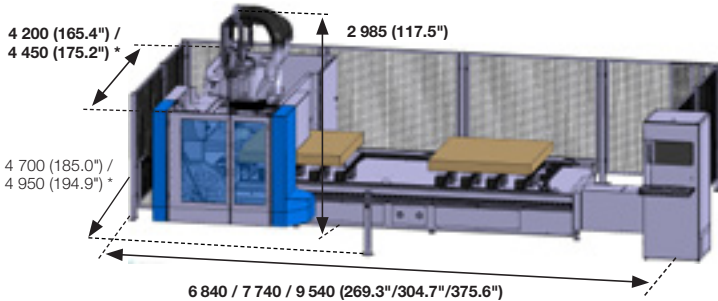
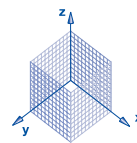
* Dimension with central division. Large alternating field dynamically adapted to component size.

The drilling head work area is dependent on the configuration.

The technical data and photos are not binding in every detail. We reserve the express right to make changes in the interests of further development.



X1 = Single operation
X2 = Alternating workpiece processing



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



A member of the HOMAG Group



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