

## Processing centers Venture BMG 300



**Individuality is the standard**

# Just 3 steps to your new machine.

## Gantry

Trimming spindle, tool changer and drilling head.



**The Venture doesn't just do what it can. It does what you want.**

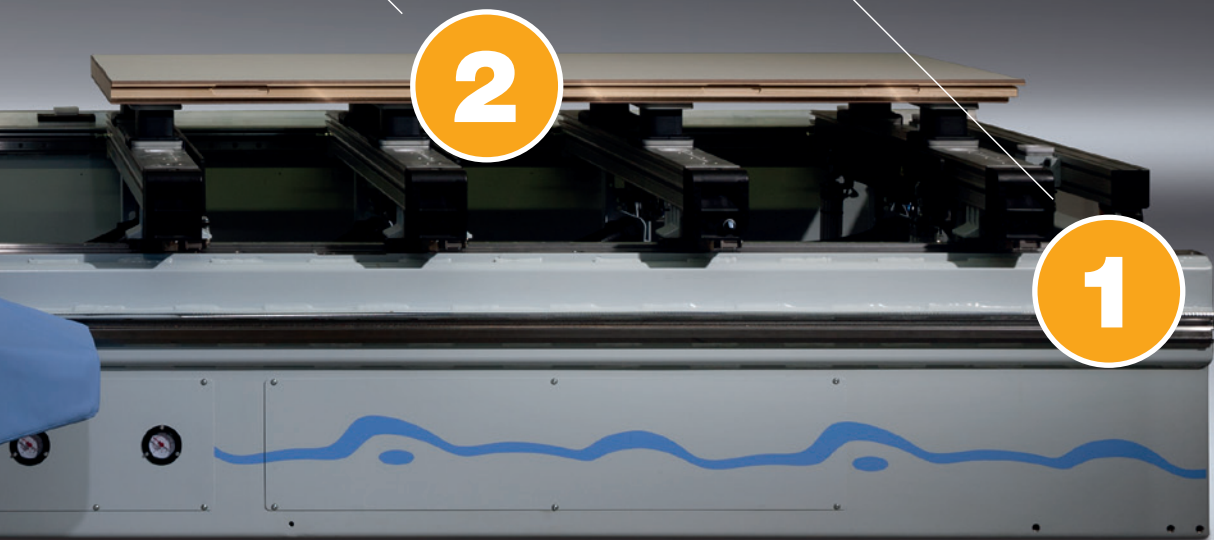
Anyone investing in new woodworking machines expects a solution to their specific production assignment. It has to be productive and flexible, and offer extreme availability. And also go on supplying perfect results for a long time to come. HOMAG processing centers offer superior technology and individual equipment for highly efficient production.

**Table**

Clamping technology  
and set-up aid.

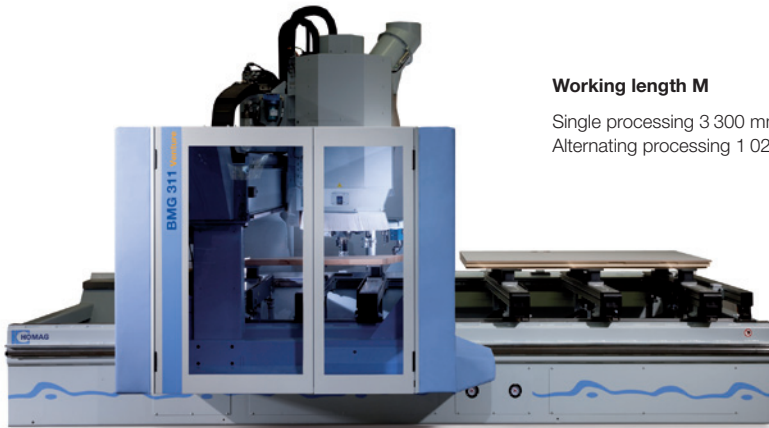
**Length**

Selection from 3 300 mm  
to 6 000 mm.



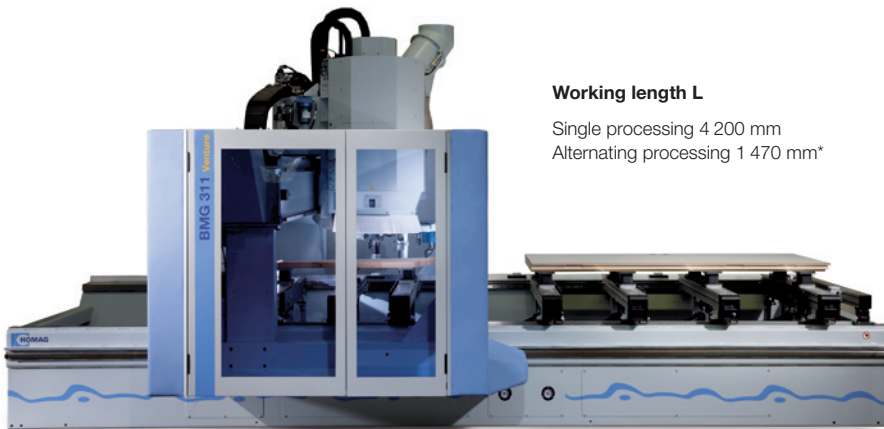
# 1 Length

Length in 3 stages: From the short length M where space is tight through to the big XXL with capacity for up to 6 m long components, allowing doors and high cabinet side elements to be positioned in alternating operation. Irrespective of the length, parts with depths of up to 1 550 mm can be positioned and trimmed around.



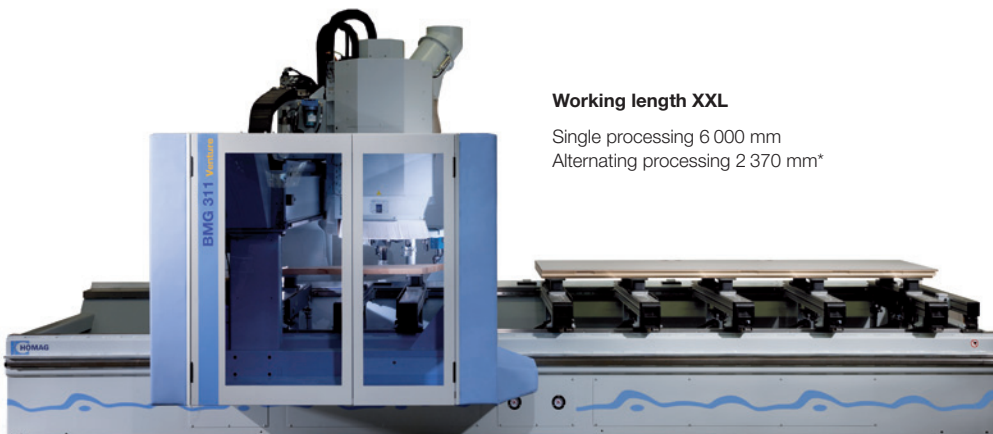
## Working length M

Single processing 3 300 mm  
Alternating processing 1 020 mm\*



## Working length L

Single processing 4 200 mm  
Alternating processing 1 470 mm\*

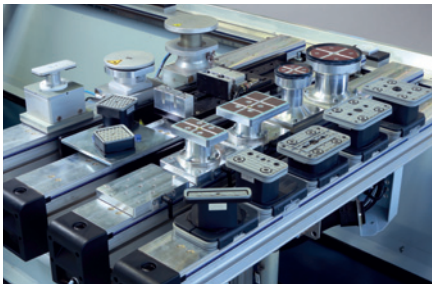


## Working length XXL

Single processing 6 000 mm  
Alternating processing 2 370 mm\*

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

## 2 Table

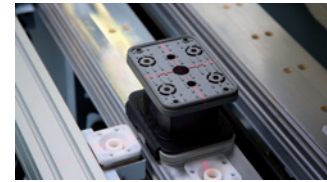


### **K table with laser set-up aid**

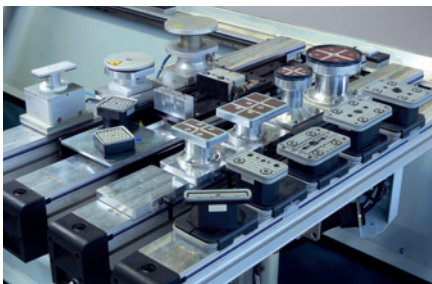
The vacuum clamps are steplessly positioned and offer clearance for the use of tools and for dropping waste pieces. Wooden staves, moldings, arch components, narrow or frame components – HOMAG clamping systems will ensure reliable fixture of even the most unusual workpieces.

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

The ideal table for universal processing.



The ideal table for universal processing with all the convenience of LED.

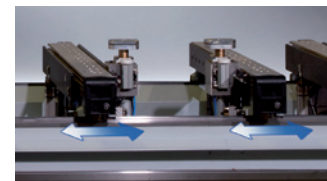


### **K table with LED set-up aid**

The vacuum clamps are steplessly positioned and offer clearance for the use of tools and for dropping waste pieces. Wooden staves, moldings, arch components, narrow or frame components.

LED displays for fast, simple positioning of vacuum clamps and consoles. Up to 70 % time savings during set-up, with correct positioning monitored.

The ideal table for flexible window production.



### **K table with automatic console positioning and 3-step clamping system**

Console table with all options for clamping flat components with additional lateral dovetail guide for the 3-step clamping system. Highly rigid 3-step clamps enable precise complete processing of window and front door components without subsequent outside molding and profiling of glued window sashes. The consoles are automatically positioned.

The ideal table for fast set-up and automation in batch size 1 operation.



### **A table: Automatic positioning consoles and platforms**

The automatic positioning system provides the key to greater convenience, faster set-up and optimized processing steps.

The consoles and platforms are correctly positioned by the program control.

The ideal table for nesting, shaped part processing and a wide range of other applications.



### **R table**

The grooved aluminum grid table permits the positive locking of clamping elements and consequently reliable workpiece fixture even where high hogging forces are involved. Vacuum transfer through the table construction optimizes vacuum distribution. Using different clamping elements with variable clamping heights, the grid table is also suitable for the use of units.

# 3 Gantry equipment

**Basic:**

Universal basic configuration for furniture components and structural elements.

**Future:**

Universal processing with more drilling spindles for efficient panel processing.

**Performance:**

High panel processing performance with large 35-spindle drilling head.

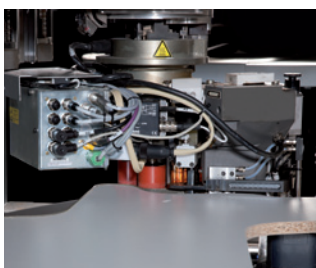
**Solid:**

High-performance trimming spindles and large changer. Ideal for window, staircase and door production.

Spindle		V9H4	V12H4
<p>Vector-controlled spindle speed from 0 to 24,000 rpm, fluid cooling, spindle sensor and 3-point pneumatic interface for the use of units.</p>		<p>9 vertical spindles and 4 horizontal spindles</p>	<p>12 Vertical and 4 horizontal spindles</p>

5-axis	DRIVE5 Basic	DRIVE5C 10 / 12 kW	DRIVE5C+ 10 / 15 kW		
	DRIVE5 Future	DRIVE5C 10 / 12 kW	DRIVE5C+ 10 / 15 kW		
	DRIVE5 Performance				
	DRIVE5 Solid	DRIVE5C+ 15 kW			
4-axis	Basic	12 / 15 kW	FLEX5+ interface and C axis		
	Future	12 / 15 kW	FLEX5+ interface and C axis		
	Performance				
	Solid	15 / 18,5 kW			

**Other options:**



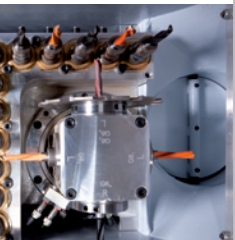
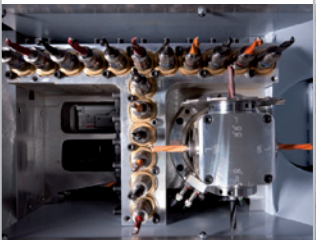
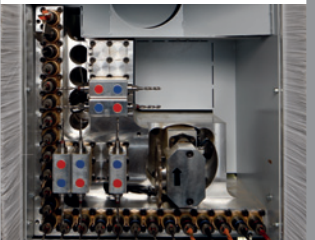
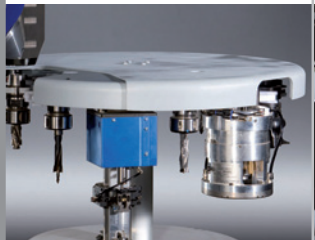
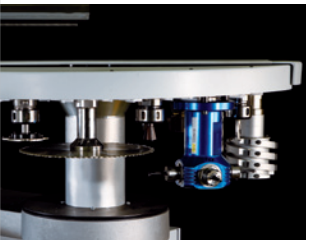














**Edge banding technology**

**power**Edge edge banding unit: Economical CNC edge banding in batch size 1 with perfect quality (in connection with 4-axis gantry packages).



**Tool changer**

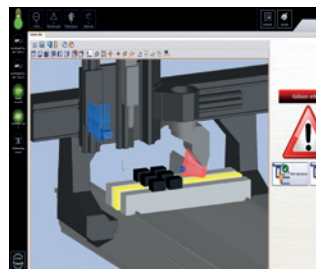
Linear changer: Expansion of storage capacity through additional lateral tool magazine.

Drilling head			Tool changer	
S0/90°	V17H4 S0/90°	V25H10 S0°	14-slot plate	18-slot plate
 <p>Vertical spindles, grooving saw and horizontal spindles with swivel facility</p>	 <p>17 Vertical spindles, grooving saw and 4 horizontal spindles with 0/90° swivel facility</p>	 <p>25 vertical spindles, 6 horizontal spindles in the X direction and 4 in the Y direction including grooving in the X direction</p>	 <p>For 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.</p>	 <p>For 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.</p>
				
				
				
				
				
				
				
				



#### Clamping elements

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



#### Software

**collisionControl** – Permanent safety for your machine. Monitors possible collisions between machine components and clamping elements during 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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