

Fully automated processing of solid wood elements





ADDED VALUE

Expertise as a basis for innovation

The market makes claims – WEINMANN delivers. The expertise gained since the company was founded in 1985 is used as a basis, and work is carried out in line with the company's three core values of partnership, innovation and tradition. The WMP panel processing center is a key product of this capacity for innovation..

Solid wood housing and commercial construction, caravans and trucks, sandwich elements and Magnum boards — these are all words that are associated with the everyday use of the WMP panel processing center. The processing speed of the center is unrivaled and its exemplary, ergonomic design epitomizes safety and reliability. And of course, with 25 years of experience in automated timber housing construction, accuracy and processing quality are key tenets of the WEINMANN approach. WEINMANN believes in ensuring maximum process optimization and the shortest possible familiarisation times. So it is no surprise that the world's leading prefabricated housing factories use WEINMANN systems. Perhaps we shall soon see them using the WMP panel processing center.



Sawing unit
WMP 100



Panel Processing Center
WMP 140



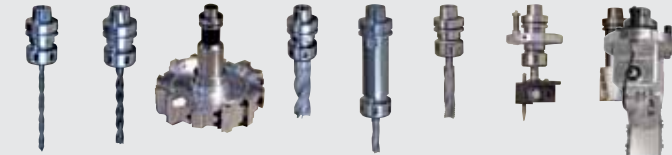
12-fold tool changer
WMP 120



Main spindle
WMP 120



Sawing unit
WMP 120



ELEXIBILITY

Panel Processing Center WMP 100/120/140

A modular approach to work is always a top priority for the specialists at WEINMANN.

A sophisticated concept results in cost-effective and, most importantly, flexible solutions that increase your productivity. Not a problem for the WMP board processing center.

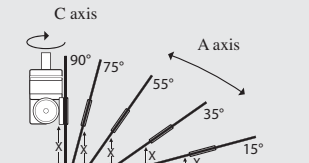
The WMP 100/120/140 models are used for processing solid wood and boards up to 200 mm thick. The 100 series, as it is commonly known, is also ideal for timber frame construction, and an advantage not to be underestimated is that it is entering the market with an attractive entry-level price. Anyone who has worked with the handy 100 series would not want to be without it. The system features a compact design and takes up little space, and tool fit is extremely versatile — both aspects that guarantee impressive flexibility. Nails and clamps are optional, but outstanding processing quality always comes as standard.

Equipment WMP 100

- Flex 25 sawing unit
- Angular gearbox, designed for high loads
- Saw blade for boards made from wood and wood materials

Swivel angle, A axis 90° – 0°
Rotation angle, C axis 0 – 360°

Power 7,5 kW
Saw blade diameter 550 mm



Saw depth 200 mm					
∠	90°	75°	55°	35°	15°
x	200	The saw depth decreases for smaller angles			

Equipment WMP 120

- Main spindle
- Power 20 kW
- Speed 1.500 – 18.000 rpm
- Integrated C axis 0 – 360°
- Extraction system for all tools and units wherever technically possible

12-part tool holder

- For tool chuck with HSK F63
- 12 x diameter max. 130 mm

Optional: sawing unit

- The sawing unit is housed in the main spindle. Two saw depths are available for selection.

Saw depth 135 mm or 80 mm		
∠	90°	90°
x	135	80

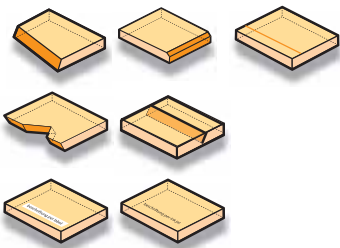
Equipment WMP 140

Sawing unit Flex 25 and main spindle with 12-fold tool changer

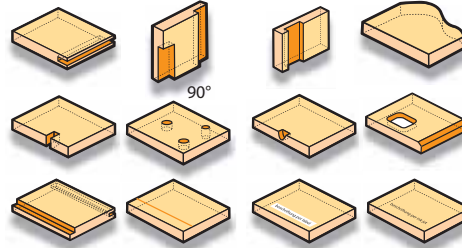
Detailed information on equipment for WMP 100 and WMP 120

All models offer a high level of work safety thanks to a new electronic monitoring system.

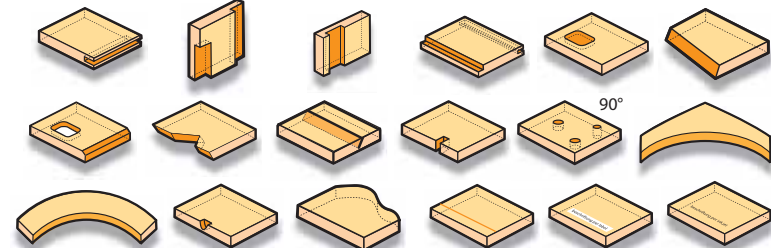
Processing options WMP 100

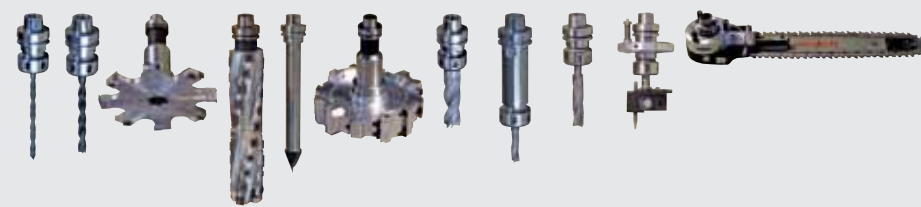


Processing options WMP 120



Processing options WMP 140





ACCURACY

Panel Processing Center WMP 200/220/240

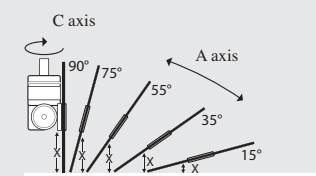
The WEINMANN program is a complete program for automated wood processing, in which all the elements are designed to work in perfect harmony. The 200 series, for example, sets the standard when it comes to connecting to its workflow.

The WMP 220/240 models are identified by fully fledged interpolating 5-axis processing and good accuracy and processing speed for boards up to 350 mm thick, plus variable tool fit and one-man operation. Outstanding processing quality also sets the 200 series apart from other board processing centers in its field. And its safety technology is in a field all of its own — operator protection via scanner and numerous CAD/CAM connection options such as .mpr, .btl, .dxf and .wup formats that are in line with the „plug and play“ approach.

Equipment WMP 200

- Flex 35 sawing unit
- Angular gearbox, designed for high loads
- Saw blade for boards made from wood and wood materials

Swivel angle, A axis 90 – 0°
 Rotation angle, C axis 0 – 360°
 Power (S6) 30 kW
 Saw blade diameter 920 mm



Saw depth 350 mm					
∠	90°	75°	55°	35°	15°
x	350	342	282	187	67

Equipment WMP 220

- 5-axis main spindle
- Power (S6) 30 kW
- Speed 1.500 – 18.000 rpm
- The maximum processing height is tool-dependent.

Swivel angle, A axis 90 – 0°
 Rotation angle, C axis 0 – 360°

- 18-fold tool changer
- For tool chuck with HSK F63 for 18 tool or unit stations

- Optional: saw
- The saw is housed in the main spindle

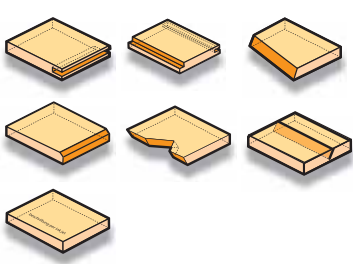
Saw depth 160 mm					
∠	90°	75°	55°	35°	15°
x	160	The saw depth decreases for smaller angles			

Equipment WMP 240

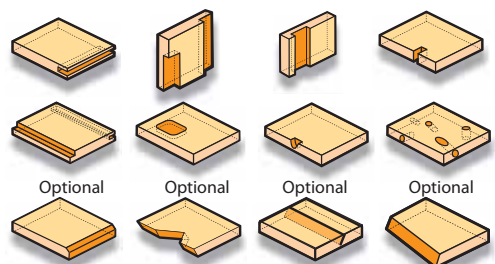
- Sawing unit Flex 35 and 5-axis main spindle with 18-part tool holder
- Detailed information on equipment for WMP 200 and WMP 220

All models offer a high level of work safety thanks to a new scanner monitoring system.

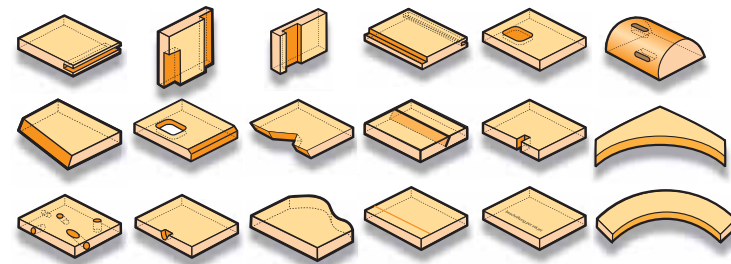
Processing options WMP 200



Processing options WMP 220

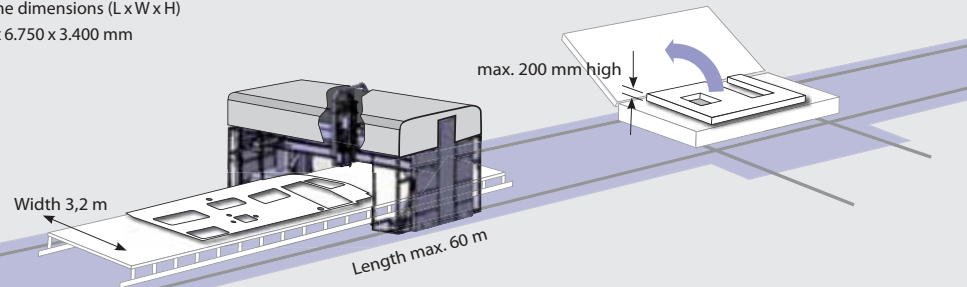


Processing options WMP 240

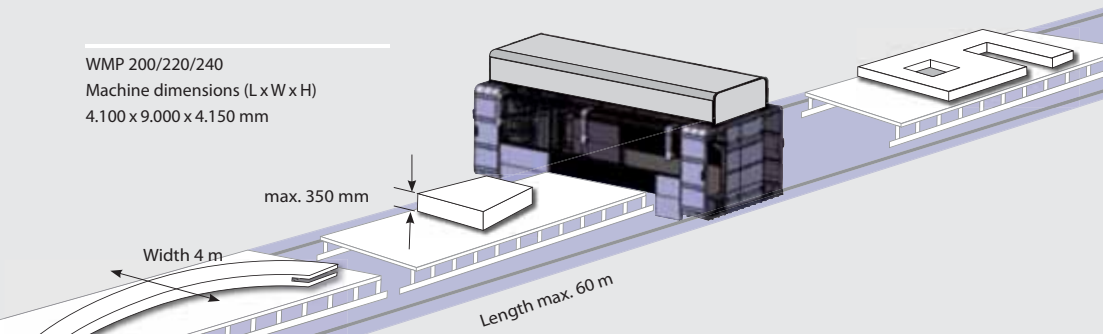




WMP 100/120/140
Machine dimensions (L x W x H)
3.630 x 6.750 x 3.400 mm



WMP 200/220/240
Machine dimensions (L x W x H)
4.100 x 9.000 x 4.150 mm



PRODUCTION

Customer requirements fulfilled to the highest standard

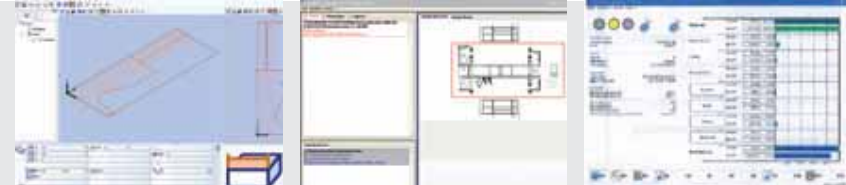
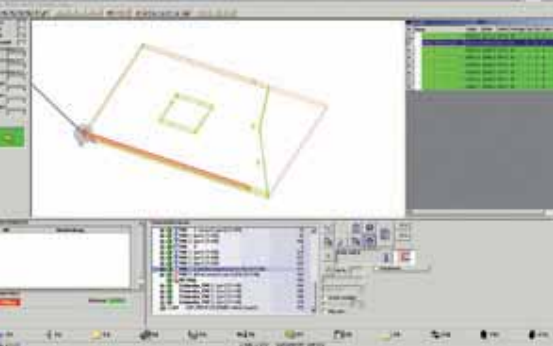
If customer requirements are the top priority, production concepts must also be tailored to meet these requirements. Individual, automated production is what you get from WEINMANN — tailored to your requirements and executed to the highest standards.

Various production concepts and table types allow the specialists at WEINMANN to cater specifically to the individual requirements of the customer — without exception. We will work alongside you to design options such as:

- a bracket table with movable vacuum suction cups or screw units
- a table with a stopper and rollers
- a turning system with a butterfly turning table

For each option, the workpiece can be held in place by vacuum or by screws, according to your requirements. The table lengths are variable and the working height can be adjusted. These features are complemented by simple transport options with rollers that can be raised.

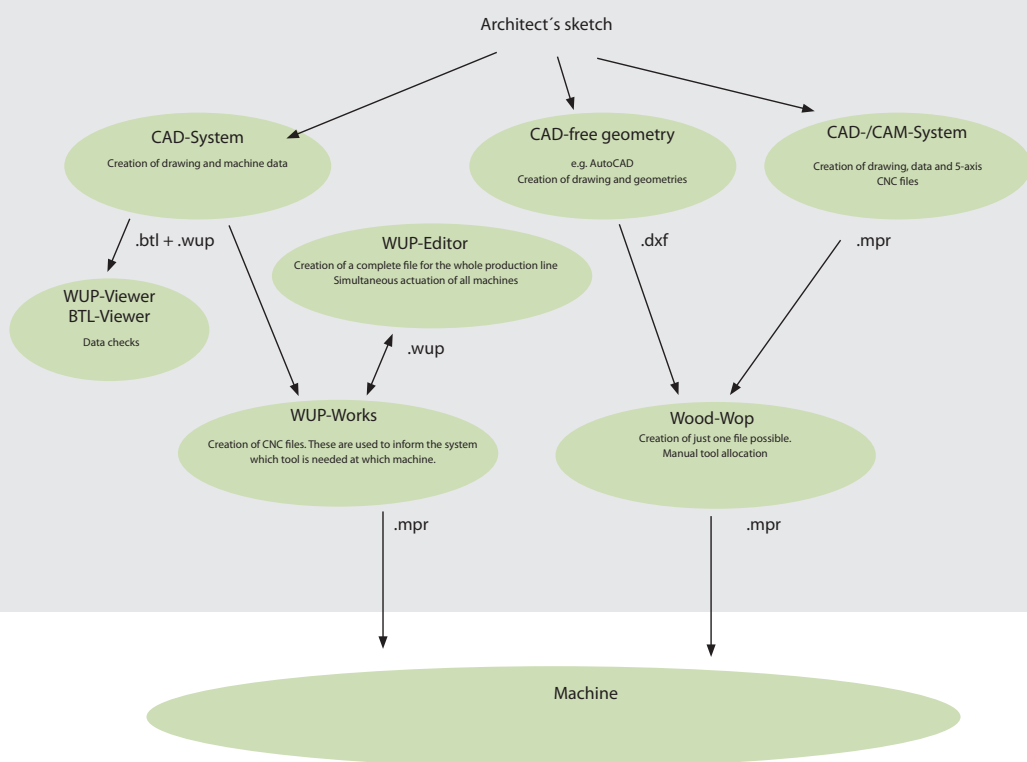
Does this appeal to you? If so, put your faith in our many years of expertise in timber frame construction.



SOFTWARE

Simple application options

Machine control options



In today's world, it is essential that software is both effective and simple.

The WEINMANN programs are simple and standardised — they shorten the familiarisation time for employees while ensuring the highest possible degree of safety.

It's very simple — the geometries and processes from a CAD program are converted by the machine into the industry standard .btl and transferred to the workpiece. Alternatively, data can be imported in .dxf and .mpr format. A touch screen ensures that you are always in control and you also have a few other options:

- operation / software optimization software, nesting
- menu-assisted user interface
- automatic tool allocation and travel path optimization with simple modification options
- graphic 3D display of workpiece and processes for machine running time
- swift resumption of an interrupted program via visual selection
- automatic conversion of CAD geometries into the industry standard .btl, .wup, .dxf or .mpr
- options for processes within the component list:
 - * to move (order)
 - * to enable/block
 - * to allocate different tools

That is what we at WEINMANN mean by „simple“. And if all else fails, the global Homag Service team will provide you with additional help and advice — with quick response times thrown in for good measure.



	Sawing	Processing (sawing)		Chainsaw ³⁾	Processing (trimming, drilling)		Nailing Clamping	Element thickness (mm)	Element length	Element width ⁴⁾ (mm)
		4 axes	5 axes		4 axes	5 axes				
WMP 100	●						●	200	any	3.200
WMP 120		● ¹⁾		●	●		●	135/200	any	3.200
WMP 140	●	●		●	●		●	200	any	3.200
WMP 200	●							350	any	4.000
WMP 220			● ²⁾	●		●		160/350	any	4.000
WMP 240	●		●	●		●		350	any	4.000

1) Optional sawing unit in tool changer. 135 mm sawing depth

2) Optional saw blade in tool changer. 160 mm sawing depth

3) Optional chainsaw unit. 400 mm sawing depth

4) Processing width dependent on tools and processing spectrum



A company of the HOMAG Group

WEINMANN
 Holzbausystemtechnik GmbH
 Forchenstraße 50
 72813 St. Johann-Lonsingen
 Tel. +49 7122 8294-0
 Fax +49 7122 8294 52066
 info@weinmann-partner.de
 www.weinmann-partner.de