Innovative, customized and flexible.

Our complete timber work range

YOUR SOLUTION
Your partner in timber construction

If you build modern homes from natural wood or if your business is based on intelligent, energy-saving construction, WEINMANN is the right partner for you. As a leading manufacturer of high-performance machines and equipment for timber work, we develop innovative and customized solutions for your success; that is our goal, so we put your needs at the center of everything we do. The trust placed in us by our customers is testimony to the fact that we deliver on our promise time and time again: Businesses ranging from independent carpenters to large prefabricated housing manufacturers all over the world work with WEINMANN systems, and have confidence in the quality of our machines and our consulting services.

YOUR SOLUTION

MORE: HOMAG.COM/WEINMANN

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ecoPlus – technology that pays off.

Energy, time, material and personnel are all precious resources. Conserving them increases productivity and saves costs. The HOMAG technology package helps you with this. ecoPlus provides countless innovations that save energy and reduce your operating costs. What’s more, ecoPlus reduces CO2 emissions, thereby helping to protect the environment.

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.

HOMAG — Partner for the timber work industry and more

Everything from a single source.
Whether you process panels or beams or manufacture wall, roof or gable elements, windows, stairs or doors: HOMAG meets all the requirements for the machines. 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.

ecoPlus – technology that pays off.
Energy, time, material and personnel are all precious resources. Conserving them increases productivity and saves costs. The HOMAG technology package helps you with this. ecoPlus provides countless innovations that save energy and reduce your operating costs. What’s more, ecoPlus reduces CO2 emissions, thereby helping to protect the environment.

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.

HOMAG production sites
HOMAG sales & service companies

14
Production locations

23
Sales & service companies

6,000
Employees worldwide

1,000
Active individual patents
Cutting and beam processing

“The compact design of the BEAMTEQ B-540 and its simple installation options without the requirement of special foundations or cellar basement allowed us to be flexible with our hall planning. This was an important advantage for us because we had grown very quickly and ultimately didn't know what our hall layout would look like.”

Christian Kienle, Kienle Holz- & Ausbau GmbH, Neresheim
Carpentry machines BEAMTEQ

These machines are equipped to tackle a wide range of processing tasks — from making a quick cut to completing a complex beam processing operation, with precision, speed and flexibility throughout. Our carpentry machines increase production efficiency in carpentry applications, timber frame construction, half-timbered construction and pre-fabricated house construction.

High processing speed
- Feed speed up to 150 m/min
- Highly dynamic drives
- Process-optimized workflow
- Multi-channel control for parallel working with 5-axis-technology
- Highly dynamic tool change technology
- Tool changer to minimize setup time
- Intuitive powerTouch operating concept

Designed for precision
- High-resolution positioning system for all axes
- Precise component positioning via two NC grippers
- Horizontal and vertical material clamping system during processing
- High precision and robust linear guides with a long service life
- Monitoring of all processes

Wide range of applications
- 12 place tool changer
- Automatic adaptation to different workplace dimensions
- Manual entry or direct data transfer from CAD
- All options available for retrofitting thanks to modular system
- Processes even the shortest parts
- Easy installation
- Dust and soundproof construction

Customized equipment
- Automatic beam feeder with separator
- Second operating monitor
- Inkjet printer
- Ballpoint pen/marker
- Label printer
- Processing of all 6 sides of a component in a single run
- Sorting unit as conveyor belt
- Good parts conveyor belt
- Waste conveyor belt
- Handling portal for automatic component loading
- Automatic destacking
- Full evaluation of production times and quantities
Element processing

“I see the restructuring and the new production technology as important course markers that will prepare my company for further growth in the next few years.”

Andreas Gamper, Gamper Holzbau - Bauprojekt GmbH, Germany
Assembly tables BUILDTEQ

BUILDTEQ assembly tables for universal use in timber frame element production ensuring high angular and dimensional accuracy. They are especially well-suited to applications in small and medium-sized carpentry companies wishing to produce high-quality wall, roof and floor elements using a simple and ergonomic process. The tables can also be used to easily produce special elements such as gables, bays and flap tiles.

Safe and ergonomic
- Ergonomic working height
- Set-up function for safe and gentle removal and rotation of elements
- All controls installed directly on the table
- Solid non-slip planking provides a safe working surface

Stable construction
- Solid steel construction for high element weights up to 5 t
- Robust design — all sensitive elements are protected against damage
- Zinc-plated stop pin for a long service life

Universal application
- Suitable for any element type (walls, roofs, floors, gables)
- Simple retrofitting at any time thanks to modular structure
- Element height up to 3800 mm
- Element thicknesses up to 500 mm
- Standard length of up to 12 m
- Two separate clamping circuits allow two elements to be produced simultaneously

Customized equipment
- Various stops
- Universal clamps
- Gable stop
- Foil unwinding equipment
- Pneumatic and electrical connectivity options for hand-held devices
- Different bolt lengths and height-adjustable bolts
- Longitudinal element transport
- Roof/ceiling clamps
- Hydraulic set-up/turning function
- Carriage with automatic positioning system
Framing station FRAMETEQ

The versatile framing station sets new standards in the creation of complex and challenging frame works in timber frame construction - with a design specifically tailored to this application. The FRAMETEQ is individually configurable to suit any requirement. The models available range from the low-cost entry-level variant up to a fully automated high-performance system with a production capacity of more than 1000 houses per year.

Built-in high precision
- High frame work accuracy thanks to NC stop alignment system
- NC-controlled outfeed gripper for precise beam spacing
- Fully automatic tensioning of frame work

More options for you
- Individual production in batch size 1
- Only one operator required
- Can be expanded at any time thanks to modular design
- Zero setup time thanks to automatic width adjustment
- Offset beam positioning possible

Very easy to use
- Clear screen
- Swiveling control panel
- Comprehensive safety features
- Automatic data transfer or direct input at machine

Customized equipment
- Module assembly table incl. conveyor unit
- Stud storage unit
- Nail plate press
- Snipping saw unit
- Drilling unit
- Inkjet printer for labeling beams or plates
- Mounting station for spandrel beams, manual or automatic
- Gable station
- Isolation station
- Separator with cross conveyor
- Automatic beam pusher
- Automatic width adjustment
- Handling system for fully automatic beam provision
- Fully automatic beam mounting
- Fully automatic frame work production
- Different kind of configuration options, for example the combination with robot technology
Industry tables BUILDTEQ / MOVETEQ

The MOVETEQ wall table is a truly multifunctional addition to a production line. It carries out tasks such as turning elements, aligning elements at the correct angles for safe planking and nailing, longitudinal and transverse transport and laying out elements for storage. The BUILDTEQ F-500 floor table is ideal for producing roof and floor elements in the shortest timeframes.

Can be individually modified
- Can accommodate customer requirements, individually tailored to different production situations and levels of automation
- Can be expanded at any time, either to increase capacity or introduce automation
- Interlinked control technology for simple operation

Extremely durable
- Steady profile construction for high workplace weights of 3.5 t or above
- Low-maintenance design for process reliability
- Transport without damage

Versatile applications
- Automatic alignment of the element
- Can be integrated into any production line
- Swivels for installing windows, for storage or for turning
- Individual transport systems
- Moveable

Customized equipment
- Various stops
- NC-controlled beam aligner for high component quality
- Pneumatic or hydraulic element clamping
- Automatic or manual longitudinal / cross transport using rollers or hinged belts
- Longitudinal or transverse table carriage
- Hydraulic swivel device
- Solid non-slip planking
- Pneumatic and electrical connectivity options for hand-held devices
- Foil unwinding equipment
- Rails and guides to distribute and store walls
Multifunction bridge WALLTEQ

The CNC-controlled multifunction bridge completes all timber frame element planking tasks fully automatically — including securing the sheathing and formatting and cutting all openings in the element. The WALLTEQ is popular with carpenters for a number of reasons; its wide range of processing applications, low space requirement and ease of operation are key features. The machine’s powerful, accurate units guarantee the highest level of quality.

Multifunctional
- Configurable according to customer requirements
- Fully automatic tool changer with 12 tool slots for a high level of flexibility in terms of processing tasks and unit equipment
- Processing of various materials (e.g. sandwich, caravans) with zero setup time

Proven technology
- CNC control for fully automatic processing
- Easy to operate with intuitive powerTouch user interface
- 12 kW or 20 kW tool spindle
- FLEX25 sawing unit up to 200 mm cutting depth
- Effective dust extraction technology
- Equipped for the future: process passive house components or cut soft fiber panels

Powerful complete package
- Interpolating processing
- Optimum working ergonomics and safety
- Durable construction
- Fully automatic data transfer from CAD
- Can be combined with individual table concepts; travel distance of up to 70 m allows for approach from multiple tables

Customized equipment
- 20 kW main spindle and 12 place tool changer
- Nailing, clamping, screwing
- Drilling, sawing, trimming, marking, labeling, PU bonding, scribing
- Swivel unit for nailing devices
- Label by using inkjet or label printer
- Lattice option: fully automatic positioning and fixing of tile battens and cover boards on a beam or rafter framework
- Nesting: fully-automated pre-cut of different board types
- Combination with blow-in plate: fully-automated insertion of loose insulation material
Combi wall system FRAMETEQ

The FRAMETEQ M-300/M-500 combi wall system is a combination of a framing station and a multifunction bridge, designed to automatically produce wall and gable elements for timber frame construction. A workstation positions the frame work components and precisely secures and processes the sheathing — all fully automatically. The result: Elements of exceptional quality, produced at minimal space requirements.

### Precision through technology
- NC stop alignment system
- Automatic beam positioning and fully automatic square alignment
- Precise clamping and joining of frame work
- CNC axes for customer-specific nail patterns

### Efficient and ergonomic
- Customized production with zero machine setup
- Only one operator for the production of a complete element
- Ideal working height for ergonomic operation
- Flexible control panel positioning for optimum ease of operation

### High-performance yet compact system
- Automatic width adjustment
- Compact production cell
- Traveling stop system

### Customized equipment
- Stud storage unit
- Nogging installation support for lintels
- Labeling and marking
- Nail plate press
- Snipping saw unit
- Gable and window station
- Stop for gable elements
- Automatic batten positioning and mounting
- Automatic longitudinal transport of elements to next workstation
Large panel processing

“Our product range is supported by the WALLTEQ M-560 solid wood portal so we can offer our customers a variety of products. Virtually any shape and joint can be produced and this happens with a high degree of precision.”

Kyle Freres, Freres Lumber Co., Inc., USA
Solid wood portal WALLTEQ M-540/560

The solid wood portal WALLTEQ is designed for speed and precision. Regardless of whether you’re working on solid wood or commercial constructions or with laminated wooden beams, the WALLTEQ can handle all materials in these applications and is highly versatile, with an impressive range of processing options. For this reason, the WMP has long been a key fixture in the timber work engineering industry. It is also the only solution on the market for processing multilayer solid wood and timber frame elements.

**Highly dynamic**
- High processing speed
- 20 kW swiveling saw motor
- 24 kW main spindle with 5-axis head
- Peak power up to 89 kW
- Powerful CAD/CAM system
- Can control several processing tables

**Highest levels of accuracy**
- Precise workpiece determination
- Precision linear guides for all axes
- Interpolating 5-axis processing
- High-precision encoder

**Wide range of processing applications**
- 18 place tool changer
- Deep hole drilling unit capable of drilling holes up to 1.50 m deep on all sides of the workpiece and at almost any angle
- Underfloor unit for fully automatic processing of all sides of the workpiece
- Automatic fastening of the sheathing on solid wood cores and subsequent automatic processing of the workpiece

**Customized equipment**
- Chainsaw, saw, router, drill, label printer, chain mortiser, underfloor unit, deep hole drilling unit
- Appliance for stapling/nailing gun for timber frame construction
- Tool changer can be expanded with multiple pick-up stations
- Bracket table with wooden paneling
- Bracket table with vacuum suction units
- Vacuum table
- Butterfly turning table
- Control either via woodWOP or Lignocam
Handling and storage

"WEINMANN supplied the best solution for our complete production process. Using the same technology at three locations, we are able to compensate different production volumes."

Thomas Stadler, Wolf Systembau, Austria
Handling systems FEEDTEQ / STORETEQ

Fast and efficient machines are just as important for efficient production as smooth-running processes across all systems. That is why WEINMANN developed the FEEDTEQ and STORETEQ handling systems, which are designed to optimize production hall logistics, increase machine run time and ensure that the machine operator’s workplace is ergonomically designed and safe. The fully automatic handling systems combine all processes in a network, ensuring that the workflow progresses efficiently with minimum operator effort.

Flowing production processes
- Automatic material feed
- Optimized production processes — the right part in the right place at the right time
- Efficient use of resources
- Short throughput times
- High machine availability thanks to fast material provision

Stable, dynamic technology
- Beam weight up to 1000 kg
- Panel weight up to 1000 kg
- Axis speeds up to 120 m/min
- Automatic rotation/turning station

Customized equipment
- Vacuum window lifting device
- Vacuum panel lifter
- Column slewing crane FEEDTEQ H-300
- Moving gantry handling
- Surface handling FEEDTEQ H-500
- Beam lifter with vacuum or for mechanical gripping or screwing
- Fully automatic feeding portal for beams STORETEQ H-700
- Fully automatic feeding portal for panels STORETEQ H-100/H-300

Ergonomic working environment
- Easy handling of heavy loads
- Lightweight design for easier manual operation
- Only one operator needed to position panels
- Hold function provides scope for other activities
- Vacuum monitoring with emergency stop function
Storage technology STOCKTEQ

With our storage technology, elements can quickly and easily be transferred to intermediate storage and picked back out for return to production. The systems also offer the space required for finishing work such as the application of exterior plaster or fitting windows and doors. WEINMANN storage systems also feature a number of helpful details tailored to the customer’s requirements — making your working life significantly easier.

Safety and short routes
- Elements protected
- Automatic positioning at transfer stations
- Direct loading from storage system

Versatile applications
- Order-based provision of parts
- Applying exterior plaster
- Fitting windows and doors
- Splitting multiwalls
- Finishing elements
- Preparing for dispatch
- Can be individually tailored to storage facility size and capacity

Ergonomic storage solutions
- Traveling operator podium and control panel on loading carriage
- Ergonomic working height
- Elements easy to move
- Easy to operate

Customized equipment
- Setup and distribution trolley
- Swiveling top guide for element picking
- Overhead crane cross rail
- Extension of floor guide for a wall magazine for element picking
- Loading carriage
- Upright store
- Standing storage system with wall trolley
- Standing storage system on roller conveyor
- Automatic wall package formation
WEINMANN covers our needs completely with their wide range of products. In addition, we were convinced by the worldwide available services and the good references. Not forgetting the negotiations with the management, which proved to be an upright and trustworthy inter-locutor, which is of great importance for such an investment.

Sascha Bopp, Blueprint Robotics, Inc., USA
WEINMANN Engineering —
Driven by your requirements

Customized solutions, the ability to deliver complete systems and over 30 years of experience in the planning and implementation of projects — these are the key elements that set WEINMANN Engineering apart from the competition.

Understand
A project is the beginning of a long relationship. To make sure that this relationship thrives in the long term, we want to understand what’s important to our customers. When we understand what you need, we give our full commitment to helping you achieve it and to securing your success.

“What we’re interested in is the individual requirements of our customers, and regional influences play an important role. It is always very exciting to see these requirements turn into reality.”
Ingo Krieg, Project Manager at WEINMANN

Trust
The trust placed in us by our customers is at the very heart of what we do. This trust is what we work to earn each day. We treat each project as if it were our own. This is how we find the solutions we need to improve every day.

“For me, it’s important to understand the objectives behind the project and what the customer wants to achieve. Developing this level of understanding fosters strong relationships with customers that continue long after the project is complete.”
Jochen Windhösel, Project Manager at WEINMANN

Deliver
We don’t consider a project to be complete until all those involved in the project have achieved their planned objectives. Through intensive dialog with our customers, we ensure that time, cost and performance targets are met.

“When we’re working on a project, my main focus is the technical details. Because these details are what will ultimately make the project a success.”
Jörg Groß, Head of Project Team at WEINMANN
WEINMANN Engineering — Driven by your requirements

From the initial discussions through to completion of the project, the project manager is your personal contact and works with you to take the project to a successful conclusion. With more than 10 years' experience in the timber work industry on average, the WEINMANN project engineers have the expertise needed to handle your project perfectly from start to finish.

CCG, UK
Redesign of an entire house production system. All systems supplied by the HOMAG Group:
- Carpentry machine BEAMTEQ B-520
- Panel dividing saw SAWTEQ
- Wall line incl. finishing lanes
- Butterfly turning table for roof and floor elements
The production line is controlled via HSB software. The entire project was completed within a period of just nine months.

Stephan Holzbau, Germany
Development of a production concept for effective, fully automatic CNC machining of BSH components up to 50 m in length:
- Solid wood portal WALLTEQ M-560
- Integration of underfloor processing and deep hole drilling system
- Design is also suitable for processing glued laminated timber panels
- CAD/CAM control via BTL format

Blueprint Robotics, USA
Planning of a new house production system including factory concept with a capacity of up to 40 houses/month. This project is the first fully automated production line for closed elements in USA.
- Carpentry machines BEAMTEQ B-660
- Wall line for elements with 12 m length and 3.81 m width
- Roof and ceiling line for elements with 12 m length and 2.50 m width
- First WALLTEQ M-380 for the fully automated blow-in of loose insulation material
- Loading carriage STOCKTEQ D-300 for the handling of complete wall element packages
- Integrated production management system

Birkeland, Norway
Design of a fully automatic production island for reinforcing and cutting I-beams and solid wood:
- Carpentry machine BEAMTEQ B-560
- Fully automatic destacking and feeding of material to machine or reinforcement station
- Performance of up to 8m/min
- Fully-automatic stacking and destacking
- Specially developed cell control for optimized material output
Only one operator required to operate the entire plant, including the manual reinforcement station.
**WEINMANN Engineering — Driven by your requirements**

All timber work companies have their own specific requirements and individual needs. We work with you to find the right solution for your company and your products. All our machines and systems are based on a modular design, which enables us to respond rapidly and with the highest levels of flexibility to changes in the market — so that your company has the flexibility it needs to adapt to the demands of the timber work industry.

**Butterfly turning table**
- Capacity: up to 30 houses/year
- Staff requirement: 1-2 employees
- Space requirements: 12 x 7 m

**Compact system**
- Capacity: 50–70 houses/year
- Staff requirement: 3-4 employees
- Space requirements: 34 x 9 m

**Three-table solution**
- Capacity: up to 150 houses/year
- Staff requirement: 4-5 employees
- Space requirements: 34 x 11 m

**Industrial production**
- Capacity tailored to customer requirements
- Different system designs available; can be planned specifically for the customer
- Examples include wall production lines or roof and floor production
Building trust.
Fascinating technology.

In the growing market of timber construction we offer you security. The security of an experienced partner with innovative solutions for small, medium and large businesses. We have competent and dedicated contacts who can give you professional advice thanks to their expertise in beam processing, carpentry and timber construction. Economic and market-oriented production technologies ensure your success and the future of your company.

YOUR SOLUTION
SCHULER Consulting: Lean Production in timber work

Efficiently optimize workstations and processes in four days: that is the goal! The machinery and equipment are good, but actually using them efficiently is key. How much time is wasted each day on searching, asking questions, resorting, fetching carriages and materials or walking from machine to machine? In short workshops with our SCHULER coach, your team will learn to eliminate this wastage independently. After carrying out a detailed analysis of the current situation, participants determine what the target situation should be. Based on this vision, your employees develop their own solutions to make the required improvements. After two to four days, the team will have implemented most of the changes in one working area and they then present the improvements to the management team. And this solution works for all companies — not just Baufritz! It is easier to get a team engaged with changes if they develop the solutions themselves. Involving employees boosts motivation for everyone in the company, across the production team and stretching back to work preparation. You will be amazed at the savings you can make — and it’s the little details and interfaces that make the crucial difference.

Process
- Workshops for employees to analyze activities and problems in the workplace
- Direct implementation of improvements and solutions in the workplace
- Documentation of the new workflows and optimized processes
- Your employees present the tried-and-tested solutions to the management team.

Results
- Although each improvement looked at in isolation may appear simple—for example, keeping tools within easy reach, having materials prepared and ready for use and keeping travel routes short—their combined effect is significant
- Employees are more motivated as it is their own solutions that they are implementing
- This structure results in mini projects that are completed within a four-day timeframe
- You don’t need to wait long to see the results of the improvements — you will notice improvements in the efficiency of your processes as soon as the changes are implemented
- You won’t needlessly collect 100 general ideas that will never come to fruition — this approach is designed to analyze, optimize and improve a specific area. And that’s fun.

www.schuler-consulting.com

Overview of partners

Our motto is “Building Trust” — so we value our working relationships with suppliers and project partners. To make it easier for you to find the right contacts for fastening units and CAD systems, here are some companies that specialize in these areas.

Fastening unit manufacturers

CAD manufacturers

www.schuler-consulting.com
### Overview WEINMANN machines

All machines from the WEINMANN range meet the highest standards in terms of quality, performance and reliability. However, the machines feature a range of different technologies and also differ in design – so we have provided an overview of the key technical data below.

#### TECHNICAL DATA

<table>
<thead>
<tr>
<th>Element types</th>
<th>Beams</th>
<th>Wall elements</th>
<th>Wall, roof and floor elements</th>
<th>Solid wood and sandwich elements</th>
<th>Beams and boards</th>
<th>Windows, beams and boards</th>
<th>Wall elements</th>
</tr>
</thead>
<tbody>
<tr>
<td>min. length (m²)</td>
<td>1,5 / 5.9</td>
<td>2,0 / 6.6</td>
<td>2,0 / 6.6</td>
<td>0,4 / 1.4</td>
<td>2,0 / 6.6</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>special lengths of up to (m²)</td>
<td>16 / 52.5</td>
<td>14 / 46</td>
<td>14 / 46</td>
<td>14 / 46</td>
<td>14 / 46</td>
<td>24 / 78.8</td>
<td>–</td>
</tr>
<tr>
<td>min. width (mm)</td>
<td>50 / 2</td>
<td>1500 / 59</td>
<td>1200 / 47.2</td>
<td>400 / 15.8</td>
<td>1200 / 47.2</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>max. width (m²)</td>
<td>20 / 1</td>
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<td>max. height (mm)</td>
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<td>–</td>
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<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>special heights of up to (mm)</td>
<td>750 / 1650</td>
<td>1500 / 3300</td>
<td>1500 / 3300</td>
<td>3,500 / 7700</td>
<td>3,500 / 7700</td>
<td>–</td>
<td>–</td>
</tr>
</tbody>
</table>

### HOUSE CONSTRUCTION PROCESS CHAIN

- **Beam and stud processing/cutting**
- **Frame work assembly**
- **Preparation of sheathing/precut of boards**
- **Application of sheathing**
- **Processing and fastening of sheathing layers**
- **Adding installations/insulation**
- **Window installation/facades finish/commissioning and loading**

### WORKPIECE DIMENSIONS

<table>
<thead>
<tr>
<th>Element types</th>
<th>Beams</th>
<th>Wall elements</th>
<th>Solid wood and sandwich elements</th>
<th>Beams and boards</th>
<th>Windows, beams and boards</th>
<th>Wall elements</th>
</tr>
</thead>
<tbody>
<tr>
<td>min. length (m)</td>
<td>1.8 / 5.9</td>
<td>2.0 / 6.6</td>
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<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>max. length (m)</td>
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<td>6.0 / 20</td>
<td>6.0 / 20</td>
<td>6.0 / 20</td>
<td>6.0 / 20</td>
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<td>special lengths of up to (m)</td>
<td>16 / 52.5</td>
<td>14 / 46</td>
<td>14 / 46</td>
<td>14 / 46</td>
<td>14 / 46</td>
<td>24 / 78.8</td>
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<tr>
<td>min. width (mm)</td>
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<td>1500 / 59</td>
<td>1200 / 47.2</td>
<td>400 / 15.8</td>
<td>1200 / 47.2</td>
<td>–</td>
</tr>
<tr>
<td>max. width (m)</td>
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<td>75 / 3</td>
<td>75 / 3</td>
<td>75 / 3</td>
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<tr>
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<td>–</td>
</tr>
<tr>
<td>min. height (mm)</td>
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<td>200 / 8</td>
<td>200 / 8</td>
<td>200 / 8</td>
<td>500 / 20</td>
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<tr>
<td>max. height (mm)</td>
<td>350 / 14</td>
<td>350 / 14</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>special heights of up to (mm)</td>
<td>750 / 1650</td>
<td>1500 / 3300</td>
<td>1500 / 3300</td>
<td>3,500 / 7700</td>
<td>3,500 / 7700</td>
<td>–</td>
</tr>
</tbody>
</table>

### MACHINE DIMENSIONS

<table>
<thead>
<tr>
<th>Element types</th>
<th>Beams</th>
<th>Wall elements</th>
<th>Solid wood and sandwich elements</th>
<th>Beams and boards</th>
<th>Windows, beams and boards</th>
<th>Wall elements</th>
</tr>
</thead>
<tbody>
<tr>
<td>length (m)</td>
<td>min. 18.4 / 61</td>
<td>min. 14.5 / 47.7</td>
<td>min. 12.4 / 40.8</td>
<td>min. 6.2 / 20.4</td>
<td>3,4 / 11.2</td>
<td>4.1 / 13.6</td>
</tr>
<tr>
<td>max. 32.6 / 107</td>
<td>max. 28.4 / 93.2</td>
<td>max. 28.4 / 93.2</td>
<td>max. 28.4 / 93.2</td>
<td>max. 12.4 / 40.8</td>
<td>max. 12.4 / 40.8</td>
<td>2.0 / 6.7</td>
</tr>
<tr>
<td>width (m)</td>
<td>min. 4.2 / 14</td>
<td>min. 5.7 / 18.8</td>
<td>min. 5.8 / 19.4</td>
<td>min. 3.4 / 11.2</td>
<td>6.4 / 21</td>
<td>9.0 / 26.7</td>
</tr>
<tr>
<td>max. 5.2 / 17</td>
<td>max. 5.2 / 17</td>
<td>max. 5.3 / 18.4</td>
<td>max. 5.4 / 13.2</td>
<td>max. 3.4 / 11.2</td>
<td>max. 4.0 / 13.2</td>
<td>–</td>
</tr>
<tr>
<td>height (m)</td>
<td>2.9 / 9.6</td>
<td>3.4 / 11.2</td>
<td>3.4 / 11.2</td>
<td>0.77 / 2.5</td>
<td>0.77 / 2.5</td>
<td>4.15 / 13.6</td>
</tr>
</tbody>
</table>
Software – the foundation for efficient production

The software is increasingly determining the use of machines. In order to realize your wishes optimally and to guarantee short distances, we develop both the software for work preparation and the machine software entirely within HOMAG. You benefit from powerful software modules that are optimally matched to your machine.

Advantages at a glance

- One software for several machines
- Standard operation for each WEINMANN machine
- Excellent user-friendliness
- Simple structure, easy completion of the programs
- Software operation in the national language
- Complete solutions for integrating the machine into the production process
- Coordinated modules
- Modern software architecture
- Free software updates

“...we’re really impressed with the new powerTouch control technology. Operation via the large touchscreen monitor is not only extremely easy, but also guides the machine operator with a range of new support features and wizards.”

Hans Volker Nofer, Fertighaus Weiss GmbH, Germany

Table 1: Examples of WEINMANN’s software modules

**Advantages at a glance**

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**wupWorks 4**

- With the wupWorks 4 software the WUP-/BTL data generated by CAD are fully automatically modified in CNC programs.
- The corresponding data is graphically presented as a 3D model. Thereby they go through several optimisation routines in order to receive the best result. Additionally the suitable tools are picked fully automatically.
- Processing, tool, moving ways and material optimisation
- Filtering out of certain components such as pre-manufactured studs or packing pieces
- Filling of waste wood with standard components, such as lintels or braisings in order to prevent residual pieces
- Support of user profiles for individual processing strategies
- Comprehensive list output (raw parts list, planned production orders, parts list, production history, etc.)

**Tool data bank**

- The software serves the maintenance of all tool data. This includes the dimensions, collision measures as well as the admissible rotations. A graphic user interface supports the user during input. This allows the machine’s software to select the optimal tools.

**wupWorks AV / Wx4**

- The wupWorks work preparation enables the optimisation of production orders already in the office. Therefore, some real-time simulation for the determination of the processing time offers improved quoting as well as data control and optimisation already in the preparation phase of work. This means that the generation of the raw wood list plus automatic tool matching between machine and office are possible.
- Less stand still times of the machine by pre-optimisation in the office
- Shortening of the machine pass through times
- Visualization of all tool data. This includes the dimensions, collision measures as well as the admissible rotations.

**wupEditor Basic & Professional**

- The wupEditor can read in WUP or BTL data generated by CAD and show them graphically and edit them. Furthermore by using macros it is possible to create components in a simple and fast manner, respectively the components can be amended and directly transmitted to wupWorks. A CAD system is not necessary for this.
- Simple data control
- Fast adaptation and extension of components
- Simple creation of complete components with help of macro functions
- Creation of own macro functions
- Short stand still times in the production by component adaptation directly on the machine
- Graphical 3D-display

**woodScout I & II**

- The diagnosis system woodScout shows warnings and errors for diagnosis purposes. The program enables systematic fault clearing and thereby increases the machine availability.
- Furthermore it is possible to enhance the indicated expert knowledge by own comments. The integrated machine documentation opens automatically at the right position showing how to eliminate the fault. The simple and user-friendly provision of information allows the users to quickly eliminate many faults themselves.
- Indication of faults and warnings
- Simple and fast diagnosis and elimination of faults
- Reduction of machine down times

**MMR Basic, Professional & Office**

- The software module MMR (machine monitoring & reporting) collects all production-related data. The number of produced work pieces, the operating time of the machine and a lot more is recorded. The maintenance notes, depending on usage, help you to optimize maintenance work.
- Display of the reason for possible wait states of the machine
- Required servicing is timely indicated through maintenance notes
- Analysis of operating figures as daily values and shift data
- Graphical evaluation of the machine status
- Post mortem analysis via error indication at the machine
- Office version for centralized data evaluation available
Design meets digital. Can be connected to tapio.

Make use of processing power of cloud-based technologies...
Apps for your solution: e.g, DataSave, ServiceBoard, MachineBoard

- **DataSave**
  - protects machine and configuration know-how
  - faster service in case of breakdown
  - saves time to relaunch production
  - saves service costs
  - automatic backups of several machines

- **ServiceBoard**
  - exchange of 3D models, construction plans or pictures
  - video diagnosis
  - create and send service cases to service partners
  - access online parts shop of service partners

- **MachineBoard**
  - push notifications
  - machine details and status in real time
  - lists with errors, warnings, maintenances and actions
  - display of the remaining time until the next intervention of the machine operator

**Just have a try:**
Free use of the MachineBoard app! Just register under tapio and "connect" the machine www.tapio.one.
The complimentary usage is limited in time. Due to fast pace of the IT-landscape, the compatibility to the tapio platform is warranted for five years.
HOMAG LifeCycleService

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.

Remote Service
- Hotline support via remote diagnosis regarding control, mechanics and process technology. Thus the on-site service can be reduced by more than 90 %
- Mobile applications such as ServiceBoard reduce the costs through fast help in case of troubles by mobile live video diagnosis, online service message and the online spare parts shop eParts

Spare Part Service
- Identify, request and order spare parts around the clock via www.eParts.de
- Local availability of parts offered by our sales and service companies as well as sales and service partners all over the world
- Reduction of downtimes through defined spare parts and wear parts kits

Modernization
- Keep your machinery up-to-date and increase your productivity as well as your product quality. This is how you can meet tomorrow’s requirements today!
- We support you with upgrades, modernization as well as individual consultancy and developments

Trainings
- The trainings perfectly suit to your requirements. Through this your machine operators can operate and maintain the WEINMANN machines optimally.
- The trainings also include customer-specific training documents with practice-proven exercises

Software
- Telephone support and consultancy through software support
- Digitalization of your sample parts via 3D scanning saves time and money compared to new programming
- Subsequent networking of your machinery with intelligent software solutions ranging from construction to production

Field Service
- Increased machine availability and product quality by certified service staff
- Regular checks through maintenance / inspection guarantee the highest quality of your products
- We offer you the highest availability of technicians in order to reduce downtimes in case of unpredictable troubles

HOMAG Finance – precisely the right financing
- We offer you tailored financing proposals for your machinery or plants. Our financial advice goes hand in hand with our expertise relating to technical questions. Your personal contact person will take care of the whole process
- The benefit for you: The ability to invest without delay in new technologies and remain financially flexible.

HOMAG LifeCycleService – the complete timber work range

LifeCycleService

1,200 Service employees worldwide

>90% less on-site-services through successful remote diagnosis

5,000 Customer in training / year

>150,000 machines, all electronically documented in 28 different languages – in eParts