### Experience. Network. Inspire.

# WEINMANN Treff 2019

WEINMANN is once again opening its doors to present the latest technologies and digital solutions for timber construction. Technical presentations and the accompanying specialist exhibition will offer information on current market trends and opportunities, including:

* **Latest machine technology**
* **Timber construction 4.0 — the path to the digital future**
* **Workshops and market trends**

Visitors can experience these highlights in St. Johann-Lonsingen from November 7–8.

  
Image 1: Numerous new technologies for timber construction await you at the WEINMANN Treff.

**Experience machine technologies live**

WEINMANN is presenting a number of new and innovative technologies for house construction at our trade fair. These machines, which are focused on constructing elements, will be demonstrated live in practical use:

* **WALLTEQ M-120 multifunction bridge**
* **WALLTEQ M-380 multifunction bridge**
* **WALLTEQ M-310 insuFill multifunction bridge**
* **BUILDTEQ A-500 carpentry table**
* **BEAMTEQ B-660 carpentry machine**

**FastenerSwitch – quick fastener change**

The newly developed quick-change system allows maximum flexibility in the selection and use of fastening devices. Four additional fastening units are available on a separate station. The fastening unit required is inserted fully automatically based on the material. The multifunction bridges uses the data record to select the required unit fully automatically. As the units no longer have to be changed manually, idle times and setup times are minimized. Longitudinally, the station needs a space of just 500 mm, meaning that the space requirement is increased only marginally. The ideal solution even for smaller businesses, to achieve high diversity in the selection of fastening units.

**5-axis technology**

Visitors can also see new options in the area of 5-axis technology for element construction. The 5-axis unit increases the diversity of processing options and the areas of use — free-interpolating processing of different sides is possible.

**Separator for loose screws**

WEINMANN has developed an automatic separator for loose screws when using screws as connecting elements. This separator is suitable not only for standard lengths up to 70 mm, but also for long screws, such as those with a length of 160 mm, 220 mm or 250 mm. Even longer screws are also an option. Automatic screw units are available for both the frame work station and the multifunction bridge. This increases efficiency across the entire production process.

**Automatic insulation with WALLTEQ M-310 insuFill**

The new WALLTEQ M-310 insuFill multifunction bridge enables higher performance and shorter cycle times. Integrated in production lines, it is used as a pure insulating station for applying loose insulating material. The integrated blowing plate is automatically moved to the respective space and inserts the defined quantity of insulating material. Roof and ceiling elements can also be insulated automatically — the blowing plate can be rotated 90° and ensures optimal distribution of the insulation in each space, at an even density for wall, roof, ceiling and gable elements.



Image 2: The WALLTEQ M-310 insuFill now provides a pure insulating station.

**WALLTEQ M-120 multifunction bridge** — **Small quantities in batch size 1**

For the production of wall, roof, ceiling and gable elements, WEINMANN offers a machine that operates with maximum efficiency, even with small quantities — the WALLTEQ M-120. This multifunction bridge is equipped with holders for stapling and nailing devices and a routing unit to facilitate automatic fastening and processing of the sheathing. Openings for windows, doors and sockets, as well as free forms such as circles, curves or diagonal cuts can all be processed, resulting in finished elements with a high level of dimensional accuracy. With low acquisition costs, the WALLTEQ M-120 offers an excellent price/performance ratio and is the perfect entry-level solution for small and medium-sized carpentry businesses.



Image 3: Fully automatic processing with a routing unit with the WALLTEQ M-120 multifunction bridge

**Universal application — carpentry tables**

This carpentry table is ideally suited to manufacturing wall, gable, roof and ceiling elements, as well as frame walls and roof dormers. The integrated technology guarantees a high level of dimensional and angular accuracy. The higher level of prefabrication and the consistently high quality increase efficiency across the entire production process. You can see the BUILDTEQ A-300 self-build table and the BUILDTEQ A-500 carpentry table at the WEINMANN Treff.

**BEAMTEQ B-660 carpentry machine**

The BEAMTEQ B-660 carpentry machine is designed for complex beam processing at great speed and with a high degree of accuracy. This increases production efficiency. The compact machine design with integrated noise protection enables space-saving installation. The highlight of the BEAMTEQ B-660 is the integrated underfloor unit. All six sides of components are processed fully automatically in one throughfeed at any angle and tilt. Traditional block house joints, blocking grooves on rafters and dovetail connections on both sides of ridge beams are created quickly and easily. In combination with the 12-part tool changer and the second integrated main spindle, the underfloor unit enables the highest possible beam processing performance at a consistently high quality.

## Timber construction 4.0 — digital and networked

Software, networking, digitalization — these topics will have a major impact on timber construction in the future. As a complete system provider, WEINMANN offers fully integrated solutions for advancing timber construction and allowing businesses to take a step toward Timber Construction 4.0. An integrated data flow and the corresponding information flow enable an efficient and flexible production process. Software is increasingly becoming the decisive factor for the benefits of machines. At the WEINMANN Treff, visitors will find a wide range of new, digital products, which provide a decisive advantage in everyday work with CNC-controlled machines or automated systems. Experts from the software department will be available for questions and advice.

## Workshops and market trends

Exclusively for visitors to WEINMANN Treff, **industry experts will be reporting on their own practical experience.** Take advantage of this opportunity to actively exchange knowledge with your colleagues and the experts.

Thursday, November 07, 2019:

* **11:00: New methods of modular construction — what is modular construction?**  
  Benjamin Thum | Zimmerei Stark
* **14:00: The future of construction — and how we can master it.**  
  Iris Dick | The Assessors

Friday, November 08, 2019:

* **10:30: More value creation through prefabrication.**  
  Frank Lewers | Terhalle Holzbau GmbH

The **accompanying exhibition** also offers information about the products and the latest developments in the following areas:

* CAD systems
* Fastening units
* Insulating technologies
* Tools

**Images**

Image source: WEINMANN Holzbausystemtechnik GmbH

**If you have any questions, please contact:**

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