

inspiration

The Woodworking Magazine | August 2014



Growing with the HOMAG Group

Today, a single entry-level machine can develop into a compact and networked production system. You'll find the technology, software and services at **HOLZMA & HOMAG Treff** – the hub for carpenters, production managers and business partners from woodworking companies all over the world. You can also find out more about market trends, production methods and innovations.



HOLZMA Treff We set the trends

- **HOMAG Automation:** Vollautomatisches Flächenlager TLF 411
- **BRANDT:** Edge processing with perfect zero joints thanks to **airTec** and the easy**Touch** control system
- **BÜTFERING:** Wide-belt sanding machines, from the use of the combi unit with lamellar belt to the innovative, programmable sanding belt cleaning solution
- **HOLZMA:** New! 5 series — with greatly enhanced suction device and improved serviceability
- **HOLZMA:** New! Power Concept Basic — for even better performance
- **HOLZMA:** For a limited time only — special 2 series model
- **HOLZMA:** HPP 300 multiTec — sawing, drilling and trimming
- **HOMAG:** Venture 316 — the benchmark for stability and precision in the 5-axis entry-level machine class
- **HOMAG eSOLUTION:** New software version wood**CAD|CAM** 10.0: In conjunction with wood**WOP** 7 and Cut Rite, the software facilitates optimally networked data flows
- **HOMAG Automation:** Tailored packaging, including the flexible combi cardboard box feed and intelliCut
- **WEEKE:** Vertical CNC technology that can be installed in a 10 m² space and a new BMG 211 edition model

HOMAG Treff Where innovation meets fascination.

- HOMAG customers report: More **technical presentations** than ever!
- **System expertise:** Batch size 1 and series production of furniture, windows and doors
- **High-tech flooring system LIVE:** Feed rate of up to 200 m/min.
- **Ambition reloaded:** The new series with new unit technology
- **airTec and laserTec:** The zero joint for all shapes and materials
- **Combination of laserTec and hot-melt glue,** including at the processing center
- **Inclined edgebanding** at the processing center: New design options
- **Window production:** Efficient concepts in all performance classes
- **Surface expertise:** Sanding, profile casing and single-sided lamination in entry-level machines
- wood**WOP** 7 with complete 3D functionality
- wood**CAD|CAM** 10.0: Reliable, fast and simple from the first sketch through to the end product
- **ServiceBoard:** New service technology, including video diagnosis
- **3D scan:** You give us the workpiece that you would like to be reproduced and we'll give you the complete production data
- 50 machines and plant concepts over 10000 m²

HOMAG Treff & HOLZMA Treff
23. – 26.9.2014

www.homag-group.com/treffs



**HOMAG
TREFF**

Where innovation meets fascination

HOLZMA Power Concept Basic Significantly boosts performance

The HOLZMA Power Concept is now also available in a basic version especially for the HPP 300. The advantage is that the Power Concept is almost as powerful as the large-scale solution, but costs less. The Power Concept Basic is also able to cut several strips into different lengths simultaneously, increasing the efficiency of the saw significantly.



HOMAG Automation and HOLZMA Offcut handling from S to XXL

From simple shelving with automated offcut management to the fully automated return of offcuts to the storage system — at HOLZMA Treff, you will find solutions of all sizes. These include the HOLZMA optimization software Cut Rite, machine control software CADmatic and/or the appropriate HOMAG Automation storage system software.

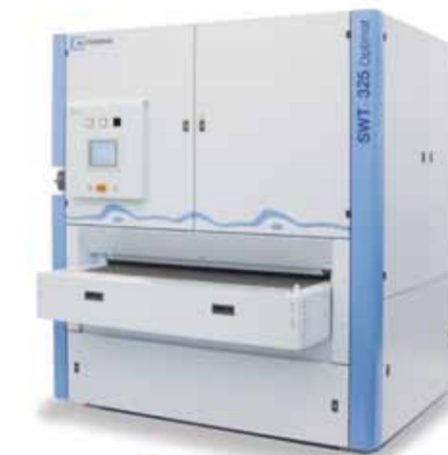
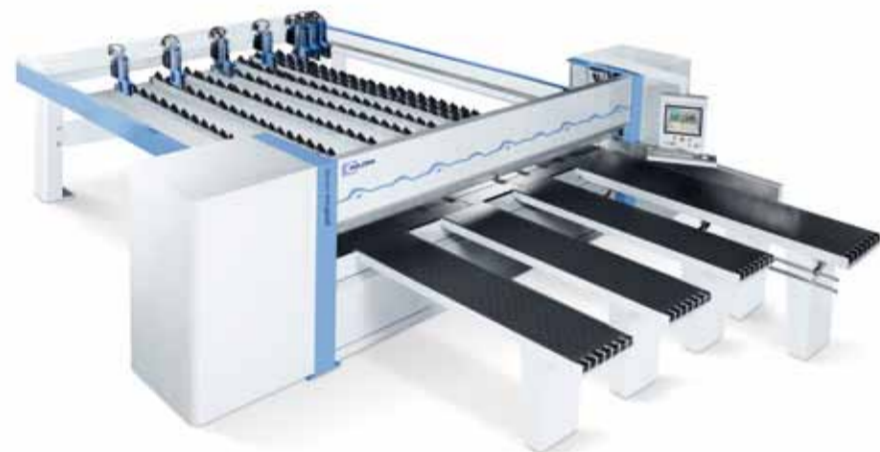


WEEKE BHX 200 and BMG 211 CNC technology for tough requirements

A new model from the BHX 200 series will be presented at HOLZMA Treff. It comes equipped with 25 high-speed drilling spindles that can be selected individually and the intuitive powerTouch operating panel as standard. A new edition model from the BMG 211 series will also be unveiled at HOLZMA Treff. The modified design requires a smaller installation space and facilitates faster access to the machine.

HOLZMA New! 5 series

The 5 series from HOLZMA represents the cutting edge in technology. The new series features a host of enhancements. These panel dividing saws offer impressive stability, precision and performance thanks to the innovative saw suction device. Significant improvements have also been made in ease of maintenance and serviceability. These measures improve cost-efficiency in production by increasing the service life of the high-performance saws. The technical innovations also include a fundamental redesign of the saw carriage, which now features further improved chip guidance features. The lifting principles of the saw blade motors have also been changed. Thanks to the new design, it is also quick and easy to change belts by hand.



BRANDT Five machines — countless possibilities

BRANDT will be showcasing no fewer than five edge banding machines at HOLZMA Treff — from entry-level to industrial machinery. The new easyTouch control system, as well as perfect zero joints thanks to the airTec unit and multi-level technology for flush trimming and scraping units, will be on show. In addition, visitors will be able to see PUR processing and the resulting waterproof and heat-resistant bonding.



BÜTFERING Improved and more efficient wide-belt sanding

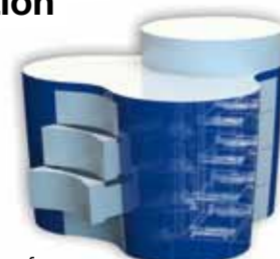
WEEKE will be presenting the latest innovations for wide-belt sanding machines under the heritage brand name BÜTFERING. The BÜTFERING 225 CC has been optimized to perform two-step calibration sanding, or intermediate and fine sanding in only one step. The BÜTFERING 325 QX is synonymous with professional transverse grinding — finely sanded surfaces and exceptional fiber reduction are guaranteed.

HOMAG Automation area storage system TLF 411 Greater flexibility in industrial production

The TLF 411 ensures that there is plenty of flexibility in production when it comes to processing machine combinations and panel variants, making it the ideal solution for highly efficient logistics in industrial production. The TLF 411 design permits span widths of up to 16 m and travel paths of over 100 m. What's more, the storage system operates at speeds of up to 180 m/min so that every panel is transported to any storage location quickly or deposited for processing at a connected processing machine. Whether you are processing plastic, Plexiglass, laminates, coated panels or uncoated panels, the suction cross rail can transport any material and meets the toughest requirements when it comes to process reliability, process optimization and cost-effectiveness.



eSOLUTION Intelligent production planning for furniture production



woodFactory from HOMAG eSOLUTION is a software module for organizing and optimizing production in industrial enterprises and small craftsman businesses. On the basis of a central production database, the work scheduler forms cross-order production batches that are specifically optimized for the respective production steps and work stations. The result is improved efficiency, reduced material wastage and shorter setup times. The open architecture allows customer orders to be transferred from woodCAD/CAM and any other ordering system.

TOP technical presentations at HOLZMA Treff

**Tuesday, September 23
1 PM–1.45 PM**

- "A continuous flow of information — from order receipt to the machine." Possible software components and how they are linked, modern flow of information in a medium-sized business
- SCHULER Consulting
- Speaker: Volker Jahnel (Managing Director)

2 PM–2.45 PM

- Topic: "woodCAD/CAM": Innovations, networking with woodWOP and Cut Rite
- HOMAG eSOLUTION
- Speaker: Bernd Kahnert (Area Sales Manager)

3 PM–3.45 PM

- "Cut Rite," including a practical segment using multiTec (sawing, drilling and trimming)
- HOLZMA
- Speaker: Arne Mömesheim (Product Manager Optimizing Software)



Growing with the HOMAG Group

The current trend is for automation and logistics — which is exactly where the HOMAG Group offers an impressive range of end-to-end, flexible and high-performance solutions.

- Modular solutions of any size
- Flexible response to tomorrow's needs
- The right solution for you: from the smallest craftsman business to industrial enterprises
- High level of availability thanks to a reliable and efficient service



HOMAG CNC technology Automatically better

HOMAG demonstrates the entire spectrum of what CNC technology can achieve, from small to large CNC processing centers and from furniture through to window and construction element production. If you want to increase productivity and run times and reduce the operator's workload, you need tailored solutions: From docking feeders for entry-level and mixed operation through to fully automated production cells, you'll discover how to get the most out of every CNC machine.

High-tech technology for contour workpiece edging: With its new features, the entry-level Venture 320 solution is used for industrial series production and laserTec edge banding with zero joints, just like high-performance portal processing centers.

Top technical presentations at HOMAG Treff

Service Support daily at 10 AM

- ServiceBoard: interactive remote diagnostics via app
- 3D scanning — scan workpieces and generate complete production data

Customer experiences:

**Tuesday, September 23
11.30 AM**

- „Furniture parts in just 48 hours“
- Speedmaster GmbH

2.30 PM

- "Profile wrapping in skirting and furniture profiles"
- Heberndorfer Leistenfabrik GmbH

**Wednesday, September 24
11.30 AM**

- "Furniture production with CNC technology"
- Schmeing GmbH

2.30 PM

- Bathroom furniture: "Production control with MOS"
- PELIPAL GmbH

**Thursday, September 25
11.30 AM**

- "Office furniture production with laserTec"
- PALMBERG GmbH

2.30 PM

- "Automation in the kitchen production"
- Bribus B.V.

**Friday, September 26
11.30 AM**

- "Window production trends in Switzerland"
- Tre Innova AG

HOMAG Treff software days

**September 25 and 26, 2014
From 10 AM to 5 PM each day**

- woodWOP 7 and external industry software

Register and find information at:
www.homag.com/registration

HOMAG: Ambition reloaded

New series with new unit technology

After extensive development, HOMAG presents the new and long-awaited Ambition series. New units and equipment combinations based on an intelligent modular system enable customized configuration of the edgebander. As one of many options, all HOMAG Ambition models are available with airTec to produce perfect zero joints. This option is ideal when used in combination with a hot melt gluing station, as it ensures that the available edges can always be processed — even if a zero joint edge is not required at certain points.



BÜTFERING, FRIZ and HOMAG

New exhibition space: Premium surface processing

HOMAG Treff will feature a new and separate exhibition space centered on everything to do with surface processing, with multiple laminating systems, profile casing machines and sanding technology solutions.



HOMAG Group Service ServiceBoard and ServiceApp

A good product needs even better service: The HOMAG Group presents the development of mobile service applications with new features. The ServiceBoard application enables the servicing work being carried out on the machine to be transferred live to the ServiceCenter via video diagnosis. The Service employees can then immediately prepare information on the move, such as instructions or plans, meaning that errors are often rectified or precisely identified right away. The ServiceBoard application also enables direct access to the online eParts replacement part shop, or allows you to create an online service message that is immediately sent to the service team.



The BÜTFERING SWT 335 RQH wide-belt sanding machine gives users the optimal way to prepare panel material for laminating applications. It guarantees perfect material evenness while improving surface quality and ensuring a good level of adhesion. The machine also cleans parts before the laminating procedure.

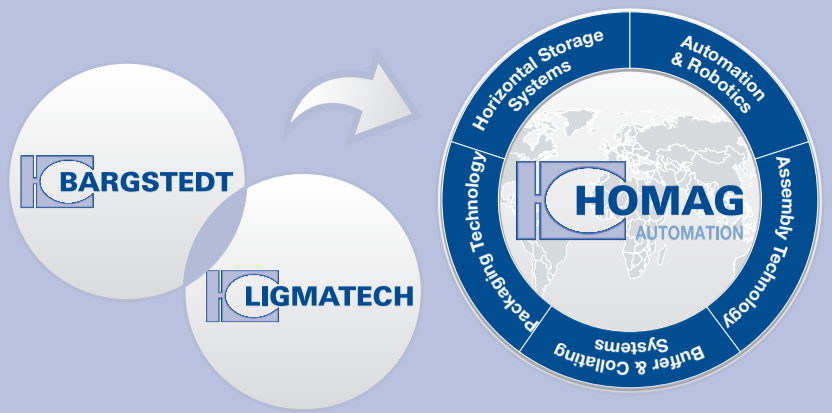
The HOMAG FKF 200 offers a wide range of options for more surface and material types: The entry-level solution for one-sided lamination and production of composite and lightweight construction panels continuously processes rolls of material, highly polished sheet materials and rigid coating materials such as HDF.

The FRIZ profile casing machine PUM 120/DH/RS completes the range. In the past, glue was applied to strips of material (e.g. veneer strips) from below using an open roller application unit, but now the "bottom-up nozzle" provides a new solution. With this FRIZ nozzle technology, the glue is applied from below both on strips and rolls of material. The result is an exceptional quality of finish thanks to precision glue dosing and a strip-free application pattern.

HOMAG Automation: One brand – double the power

As HOMAG Automation, BARGSTEDT and LIGMATECH develop intelligent solutions for effectively interlinking processing machines. They create solutions that ensure an efficient production flow, encompassing assembly and packaging.

Act together. Strong together. Successful together.



HOMAG Automation – Products that provide the link

From high-performance individual products to complex process linking. From series production to batch size 1: HOMAG Automation offers the optimal material flow for every performance class, making cost-efficient production a reality.

Storage technology

Storage systems ensure that there is plenty of flexibility when it comes to processing machine combinations and panel variants, making them the ideal solution for efficient production.



Automation and robotics

Robot applications, return feeds and handling and transport systems supplement and complete core machines right through to unmanned cells.



Sorting and order picking

Sorting and order picking systems equalize the material flows, arrange them as required and adapt them flexibly to the current production process.



Assembly technology

From the simple body press to the customized assembly line, there are solutions that meet your final assembly needs.



Packaging technology

Cost-conscious concepts for packaging up to batch size 1. Every cardboard box is custom-made quickly and easily with optimum product protection.



HOMAG Automation: What makes the brand unique? Find out more here.

www.youtube.com/HOMAGAutomation



Interview with Jürgen Köppel and Harald Becker-Ehmck

“Consistent automation from one supplier”

The demand for automation and robotics is increasing worldwide – something that the HOMAG Group is able to see from its own customers. Chief Sales Officer Jürgen Köppel (left) and Chief Operating Officer Harald Becker-Ehmck (right) explain the ways in which the BARGSTEDT and LIGMATECH grouping benefits HOMAG Group customers.

How does the new HOMAG Automation brand benefit HOMAG Group customers?

“For HOMAG Automation customers, the most significant advantage is clearly that automation solutions now come from one supplier and the brand’s ability to create innovative solutions is further enhanced. This supports the HOMAG Group’s aspiration to be a systems provider that offers coordinated solutions for individual machines as well as systems.

We are also enhancing the support we provide to our customers when it comes to service, as HOMAG Automation is an efficient point of contact that gives our customers expert support.”

What role do the five business fields of HOMAG Automation play in customers’ production capacity, particularly when it comes to “interlinked production”?

“The five business fields—automation and robotics, assembly technology, order picking and sorting, packaging technology and storage technology—are playing an increasingly important role in all businesses, whatever their size. It’s not only in industrial companies that processes are becoming more automated. The optimization of unnecessary interfaces—both on a mechanical level, but also in terms of data—has top priority. The term “Industry 4.0” or “interlinked production” is currently used to describe this process, but this task has played an important role for years in the HOMAG Group as a systems provider, and will continue to do so. HOMAG Automation allows us to resolve our customers’ tasks with even greater consistency.”

What opportunities will HOMAG Automation open up for global sales and service?

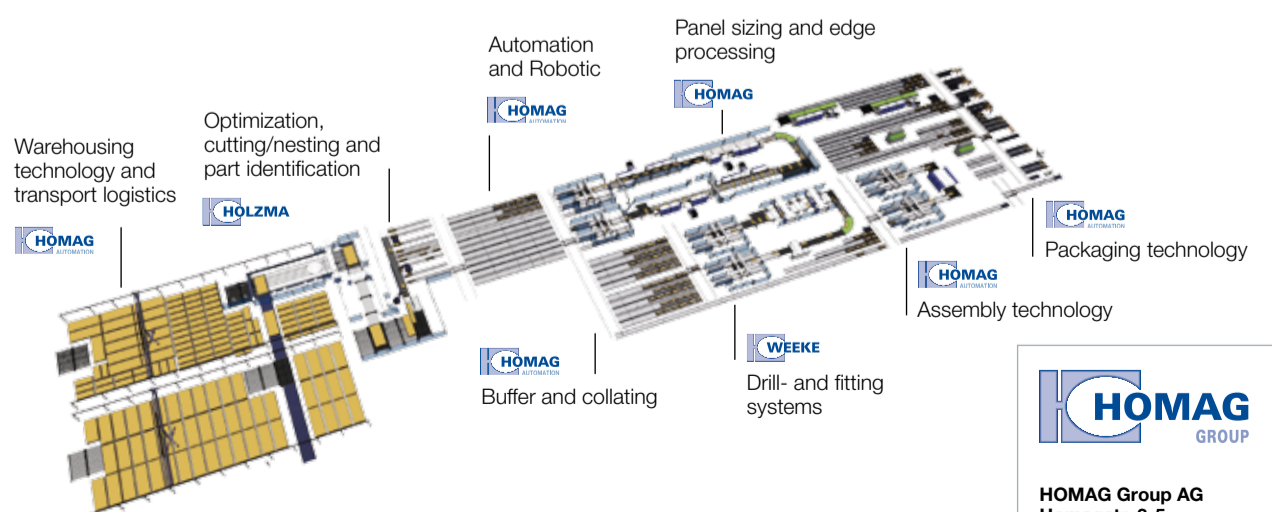
“By grouping together the sales and service expertise of both companies in HOMAG Automation, we have taken an important step toward strengthening our global presence in this growing area. To increase the speed with which we implement market requirements, we are also eliminating unnecessary internal voting sessions between BARGSTEDT and LIGMATECH.

What’s more, we are enhancing the service that we provide through such actions as long-term investment in its development. As a result, we can focus on our customers much more and be on-site to help them much faster.”

HOMAG Group Engineering System expertise: 250,000 pieces of furniture every day

Our customers around the world use machines and systems from the HOMAG Group to produce 250,000 pieces of furniture every day. The HOMAG Group supplies complete systems for this purpose, from panel storage to packaging. These are fully automated solutions that include end-to-end software from one source – whether for batch size 1 or series production.

Several systems in various performance classes from 500 to 10,000 parts per shift will also be on display for visitors at the HOMAG Treff in Schopfloch. At the exhibition, businesses from the furniture production sector or construction element industry with window and door production will find a solution tailored to their every requirement. A high-tech line for laminate flooring production with a feed of 200 m/min can be seen live in operation – a particular highlight for flooring manufacturers.



Example of a plant: Batch size-1 for 4 000 parts per shift

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