

## **HOMAG Holzbearbeitungssysteme GmbH** **HOMAG Treff 2013 connecting...**

**...Innovation with fascination.**

**...Inspiration with ground-breaking technology.**

**...People with a passion for wood.**

Welcome to the Black Forest! Over an exhibition area of more than 10,000 square metres, HOMAG Holzbearbeitungssysteme GmbH will be showcasing 50 superlative machine and plant concepts from September 24th – 27th: Innovations presented at the LIGNA live in action, individual high-tech plants destined for industrial customers, and the whole spectrum of technologies surrounding zero joint production.

Come and prepare to be fascinated – by the technology that modern flooring, furniture, window, staircase and door manufacturers invest in. A key focus of this year's HOMAG Treff: **powerTouch** – a whole new dimension in machine operation and control developed by the HOMAG Group. Touch the innovation – touch the future!

### **THROUGHFEED TECHNOLOGY**

#### **Industrial batch size one production: The whole range**

Over 20 machines and plants will be geared up and ready to demonstrate efficient sizing, edge and surface processing in throughfeed, alongside ten edge banding machines equipped with gluing technologies to suit every application, and five plant concepts for batch size one production: HOMAG will be showcasing complete production solutions to address every conceivable requirement.

- The expectations of kitchen producer Störmer can be summed up in the term “high efficiency”: With high-speed changeover between two processes in a 400 mm gap between workpieces at a feed rate of 20 cycles per minute, this plant produces furniture to the most stringent standard of quality. By scanning a barcode, the HOMAG KFL 350 edge bander determines whether to apply the edge of the next furniture component using the **laserTec** method (under patent law only usable in Germany with Rehau edges) or conventional hot melt gluing technology. The FK31 power**Trim** profile trimming unit ensures optimum trimming results at the edge profile, and also offers scope for changing between three different edge profiles. The KFL 350 is additionally equipped with a new workpiece handling system from BARGSTEDT. In short: A highly efficient and flexible solution equipped to cope with the demands of the future.

### **Series production: Production reliability plus output**

- A furniture producer based in Eastern Europe has also opted to invest in a HOMAG plant for four-sided edging of furniture components. The 6-slot edging magazine offers outstanding flexibility in terms of different edging options. The separate selection of individual processing units and individually activated extraction lines makes for a high level of energy efficiency.
- A manufacturer from South America plans to process workpieces in future measuring at least 118 mm – using a plant with one integrated tandem and one transverse processing machine for the mixed production of fronts and carcass components.

### **Complete zero joint solution**

The increasing popularity of furniture produced to a high standard of processing quality and minus any visible joint continues unabated. Office, bathroom furniture and fitted kitchen manufacturers are turning increasingly to the **laserTec** method. At this year’s Treff, HOMAG will be unveiling its own

internally developed **airTec**-System for edge processing using hot air with feed rates of up to 20m/min. This allows medium-sized producers to reap the benefits of zero joint technology with an ideal entry-level solution package. This unit is designed for permanent use without compromising the pull-off strength of edges or heating up the machine environment. In concrete terms: It eliminates the familiar drawbacks of hot air technology used to create an optical zero joint.

### **Ambition 2275: Big on flexibility, small on price**

To address the wide-ranging different needs of modern joineries, HOMAG decided to issue a special campaign machine. The result is the Ambition 2275 edge banding machine encompassing a complete package to address every conceivable requirement – saving time and money into the bargain. Changing between different glue colours or between hot melt glue and PU, for instance, has been made extremely fast and simple, taking no more than a minute. At the same time, this campaign model helps reduce edging waste with possible annual savings of up to 5,000 €. And all at an unbeatable knock-down price.

### **The benefits at a glance:**

- Simple, fast operation using the 19" touchscreen
- Short set-up times using automation packages for different edge designs
- Infeed using a wide, extendable workpiece support, variable use of different edge thicknesses (0.4-20 mm), panel thicknesses (8-60 mm) and workpiece sizes (up to 60 mm)
- Preparation for “zero joint” edge banding using **laserTec**.
- Fast changeover between glue types and simple, convenient handling of the hot-melt glue application unit
- Perfect workpieces: 20 mm solid mouldings, 0.3 mm veneer, 2 mm PVC
- This machine is equipped throughout with features designed to facilitate handling, such as simple changeover from coil material to solid mouldings

## **SURFACE TECHNOLOGY**

**HOMAG's surface processing expertise extends to both flat surfaces and edges, and this year's Treff will showcase technologies ranging from surface lamination through to edge improvement on chipboard and MDF.**

### **FKF 200 with new options:**

#### **For even greater surface and material diversity**

With its FKF 200, HOMAG will be demonstrating an entry-level solution for single-sided lamination and the production of both composite and lightweight panels. First unveiled at the LIGNA 2013, the FKF 200 processes coils, high-gloss sheets and bend-proof cover layer materials such as HDF using throughfeed technology. A special quick-change system permits convenient exchange of the glue application rollers.

An extensive selection of new options permits the FKF 200 to be upgraded with different workpiece cleaning systems, glue monitoring and electronically controlled unwinding stations – to suit individual needs. The working width can be extended to 1600 mm. Another new feature is a combination of support shelf and sheet material equipment designed to simplify handling. All in all, the FKF 200 is the optimum solution for flexible, economical processing of wide-ranging different materials.

## **SIZING AND PROFILING**

### **Entry into double-sided profiling**

HOMAG will be demonstrating the production of frame components with counterprofiles on its double-end tenoner series FPL 260:

The FPL 266 double-end tenoner equipped with scoring saw, hogging unit and controlled trimming unit ensures splinter-proof transverse processing of frame timbers. Longitudinal profiling is taken care of by the FPL 265 with new narrow

chain for narrow parts up to 75 mm in width.

This solution offers outstanding benefits to users in terms of greater flexibility for small batch sizes, coupled with short set-up times due to electronic height and width adjustment. Equally important: The guarantee of high levels of processing accuracy due to extremely smooth running of the rolling chain and a long service life with minimal wear.

### STATIONARY TECHNOLOGY

**Over 15 CNC machines live in action and a range of automation solutions across every performance category: HOMAG will be showcasing CNC solutions to address every requirement in furniture and structural element production.**

#### **Edge banding and 5-axis spindle in one**

5-axis and gluing technology: The patented **easyEdge** edge banding unit neatly combines HOMAG's two mainstays – and is also suitable for entry-level solutions. The unit engages directly in the 5-axis spindle, and the edge is inserted in the unit – done.

**easyEdge** does what it says on the label: it so easy that neither the machine nor the spindle require any special preparation or interface. It only requires the pickup station for the unit integrated in the lateral linear changer. Particularly impressive is its ability to process edges up to 2 mm in thickness, 60 mm in height and even as long as 10 meters.

#### **Inclined edge banding – making it work**

Unveiled in the InnovationCenter at the LIGNA, featured live in action at the HOMAG Treff: The **powerEdge** edge banding unit with swivel unit. This solution (patent pending) permits banding of edges at any angle, in any direction and on

every side. Straight profiled edges and inclined edges are glued with the utmost simplicity without the need for resetting or retooling.

Handle-less fronts, mitred carcasses with decorative joint – this unit helps to widen the horizons of furniture design.

### **Efficient window production with HOMAG CNC technology**

For over 15 years and with several hundred delivered and successfully operating machines to its name, HOMAG's role in the development of window component production using CNC processing centers has been highly influential – to the extent that classical production methods have lost ground.

The trump cards of CNC technology:

- Processing to finish quality without resetting, retooling or reloading the tool changer
- Component sizes ranging from very small to very large
- Extremely simple integration of additional products and new designs (e.g. for transom and upright elements or new hardware technology)

### **woodWindows complete package for window production**

If you are wondering how easily and simply you could implement CNC one-off window production, look no further. This complete software package makes child's play of the whole process. Integrated order entry, certified window systems, tool sets and program macros mean that you can get started straight away – with the commissioning phase kept to a minimum. The system is modular in structure for simple extension and rapid adaptation to new requirements in running operation.

### **woodWOP user get-together**

Tips, tricks, practical solutions: What ever you always wanted to know about wood**WOP**– you can find out on September 27<sup>th</sup> at the wood**WOP** user get-together at the HOMAG Treff. There will be lectures and discussions with

## Press Preview

HOMAG Treff 2013

Page: 7 / 10

July 2013

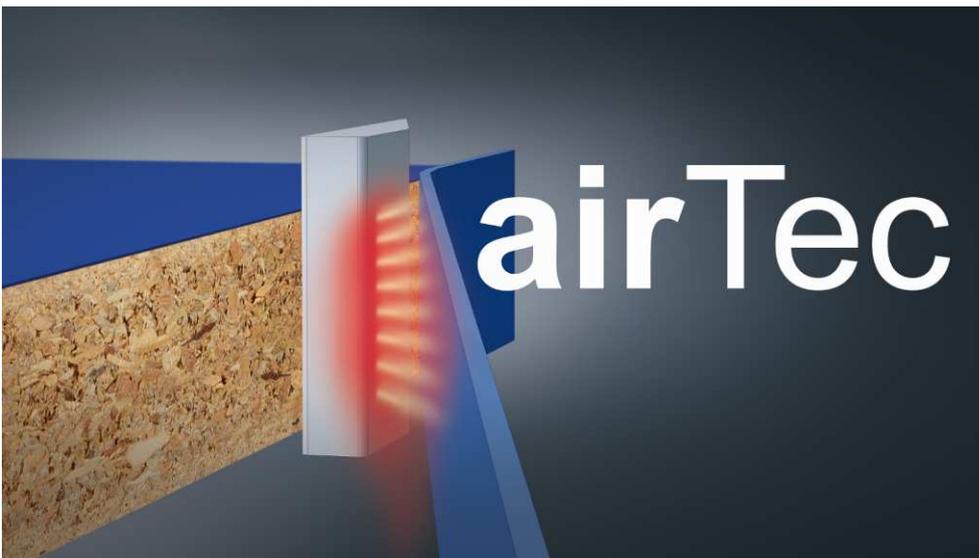
HOMAG experts and software developments to provide valuable insider knowledge. A HOMAG customer will also be reporting about his day-to-day practical experience with wood**WOP**.

**Register now to secure your place at [www.homag.com/anmeldung](http://www.homag.com/anmeldung)**

**Pictures courtesy of: HOMAG Holzbearbeitungssysteme GmbH**



**Fig. 1:**  
Industrial production in batch size 1: The whole range



**Fig. 2:**  
HOMAG will be showcasing its own internally developed **airTec** system for edge processing with zero joint



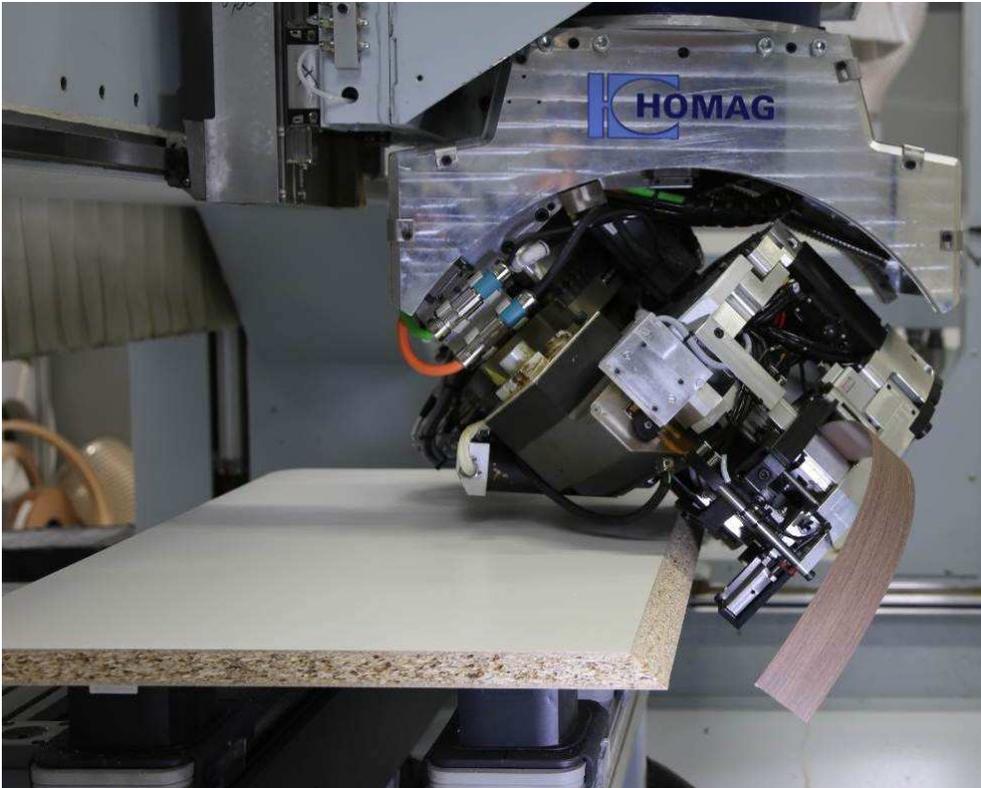
**Fig. 3:**  
The HOMAG FKF 200 for even greater surface and material diversity



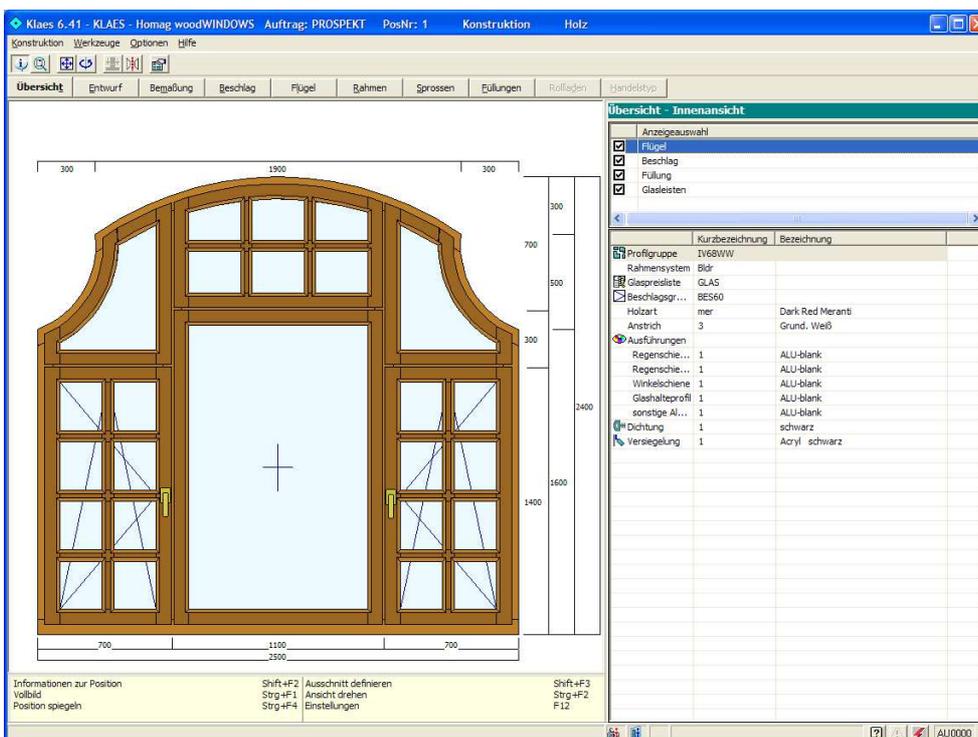
**Fig. 4:** Entry into double-sided profiling: the rolling chain provides a high level of processing accuracy and a long service life



**Fig. 5:** The patented **easyEdge**: Edge banding using the DRIVE5C+ 5-axis spindle



**Fig. 6:** Inclined edge banding using the **powerEdge** edge banding unit with swivel action



**Fig. 7:** woodWindows: Users can get started straight away with integrated order entry, certified window systems, tool sets and program macros

## For more details, contact

### **HOMAG Holzbearbeitungssysteme GmbH**

Homagstraße 3–5  
72296 Schopfloch  
GERMANY  
[www.homag.com](http://www.homag.com)

### **Achim Homeier**

Head of Product Management HOMAG Group  
Head of Marketing HOMAG GmbH  
Tel. +49 7443 13-3122  
Fax +49 7443 13-8-3122  
[achim.homeier@homag.de](mailto:achim.homeier@homag.de)