

## Firework of Innovations

Wintersteiger AG arrived at LIGNA with a whole host of product innovations and optimizations in tow. Along with two new systems from the field of wood surface repair and cosmetic processing from the Wintersteiger group company VAP Gruber Automations GmbH, the thin-cutting saw specialist from Upper Austria also demonstrated its passion for innovation with its range of automated solutions, band saw blades and even a new machine combination.

### TRC 1500 - increased capacity for wood surface repairs

The new TRC 1500 can be used for the fully automated repair of top layers, engineered and solid hardwood flooring, and all sorts of planed goods. The combination of injection unit and application unit allows for an increase in capacity. The application unit has a special application system that fills smaller skipped seeds with filling material, while the injection unit repairs larger skipped seeds and actual holes. The TRC 1500 also makes the fully automated repair of top layers possible for the first time.

Timber dimensions: Length: 500–3000 mm, width: 100–350 mm, thickness: 3–30 mm

### TRC Manufactory for unique wood surfaces

Rustic floors are becoming increasingly popular and the newly developed TRC Manufactory guarantees a unique surface every time. The TRC Manufactory processes repaired and formatted individual planks. The system analyzes the planks and then each one is individually processed as follows: The edges of floorboards can be rounded without relying on a regular pattern, while cracks can be milled away and wood grain and knots can be ground out to create a contrasting effect in the

overall finish. This results in unique surfaces, and a look and feel that can only be created using the TRC Manufactory.

Timber dimensions: Length: from 500 mm, width: 100–650 mm, thickness: 8–45 mm

### Automation solution for stacking lamellas

When stacking lamellas, the distance between the stacking bars and the number of them on each layer have a huge impact on the drying performance - as does the repeat accuracy at the positioning stage. This process is very monotonous and requires intensive manual labor. At LIGNA, Wintersteiger demonstrated an automation solution that evenly spaces out stacking bars, which makes the distances freely ad-

justable. Customers can choose between a fully automated complete solution and a stand-alone solution in line with their specific requirements for the stacking unit.

### Machine duo producing sawn veneers measuring just 1 mm in thickness

Due to the increase in price of high-quality woods, thinner top layers are becoming increasingly popular. Wintersteiger has therefore combined the DSG Notum thin-cutting frame saw with the DSB Compact XM thin-cutting band saw complete with feeding magazine to allow for sawn veneers measuring just 1 mm in thickness to be processed cost-effectively and with a consistent level of quality guaranteed. The cutting process has been optimized to ensure that even rustic items can be split.

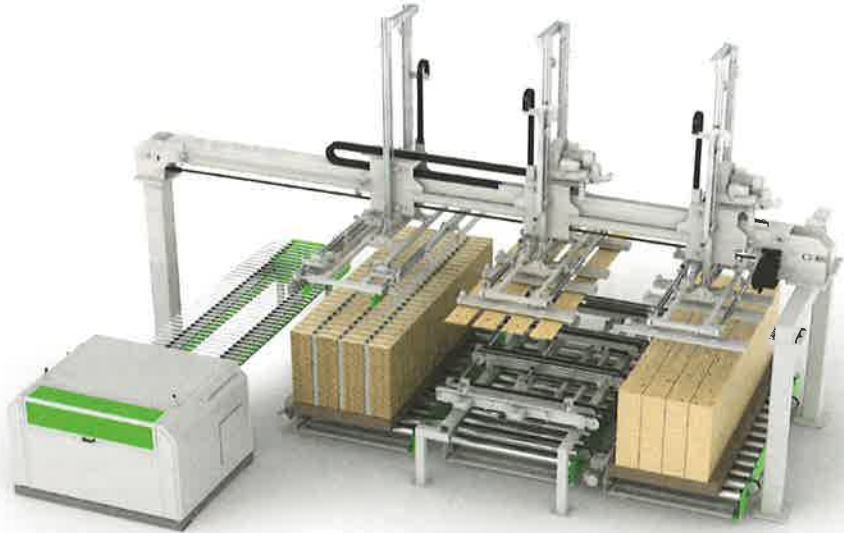


*The TRC Manufactory processes repaired and formatted individual planks. This results in unique surfaces and a special look and feel that.*

## Innovations in band saw blades

Wintersteiger has also been working hard to develop its line of tools - in particular, its band saw blades. It has developed a new generation of thin-cutting band saw blades with improved cutting performance. When combined with a thin-cutting band saw, the new Stellite® DSB Prime ST band saw blades will allow you to achieve an extremely small kerf, while ensuring ultimate precision when cutting hardwood and softwood alike.

[www.wintersteiger.com](http://www.wintersteiger.com)



*Huge impact on the drying performance. Automation solution that evenly spaces out stacking bars, which makes the distances freely adjustable.*

## Equipped For New Trends

# Flexible Edge Solutions for Trade and Industry

A wide variety of designs and materials, combined with frequently changing edge profiles - for these requirements, in the entry-level range of edge banding machines, HOMAG offers the new EDGETEQ S-240 model 1240. The machine is completely new in the HOMAG portfolio and celebrated its premiere at LIGNA.

In the basic version alone, this edge banding machine offers a high level of automation. The automation, for example, at the pressure zone, on the snipping unit, on the flush routing unit and on the dual-motor profile routing unit results in significant simplification and time-saving during setup. Individual adjustments can be executed quickly and efficiently using the axis adjustments on the units. For edge banding, the QA65N overhead glue application system with easy cleaning and emptying function is used. The special coating of the system means that all types of glue can be processed, including PUR. In the finishing area, the multi-level scraper unit with two different profiles stands out. It can be fully operated and configured on an individual basis from the powerTouch control system.

## Freedom in terms of performance and flexibility for edge banding in batch size 1 - the new EDGETEQ S-800 profilLine series

The new, one-sided EDGETEQ S-800 profilLine series is powerful, and is ideal for special order-based production. It works independently of the width and can therefore be used very flexibly. With a feed speed of up to 35 m/min, the new workpiece supply system enables high capacities to be achieved. With this workpiece supply, parallel, precise cutting is not necessary as this is done

by the dimensioning unit. High productivity is also ensured by the "gap setup" control function. The control system calculates the gap required for the changeover and blocks the machine infeed for the required length of time. The machine does not have to be run empty.

The new drilling grid makes it easier and more flexible to retrofit the machines with units and offers greater investment security. Less installation space is also required because the outfeed switch cabinet is now integrated in the machine.

The EDGETEQ S-800 is equipped with a joint routing unit with a noise protection hood, a gluing unit for processing rolls of material with PUR and a magazine with 24 rollers. The lighting above the gluing unit provides better illumination and operability. A laserTec unit is also installed for edge banding of the highest quality with zero joints.

The supply of liquids, that is, the supply of separating agents, lubricants, antistatic agents and cleaning agents is arranged outside the machine, is more easily accessible for changing the container and the fill levels are more visible. High-performance servo units are also used in post-processing. The new SF25 Servo features two grooving units for grooving and rabbeting from above/underneath/from the side in batch size 1, including the option of processing lamello grooves.

The groove position optimization ensures greater groove clearances from the glue joint. All of these processing units allow a fast changeover to increase the number of workpieces per shift.

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