

THEURL AUSTRIAN PREMIUM TIMBER

When performance and quality are required

New high-performance machine park for the joining of glulam

After three new PBA machines had been put into operation in Steinfeld, Theurl Austrian Premium Timber recently also brought its glulam joinery center in Assling up to date with the latest technology. Thanks to an automated infeed solution, which connects the factory to the joinery machines, the K2-Industry machines can impressively demonstrate their performance— 24 hours a day, seven days a week.

✂️ & 📷 Günther Jauk

It has been 18 years since Theurl Austrian Premium Timber put its first joinery machine into operation at its glulam plant, thereby entering the industrial joining business. Since then, the East Tyrolean family business has had enough time to establish itself as a reliable partner for timber construction companies and to gradually become a complete supplier of numerous important timber construction products as well as a provider of related services. In Assling, near the company's own sawmill and headquarters, bar-shaped timber construction elements, such as glulam components, ceiling elements, log house planks and stacked board elements, are produced. At the recently built Steinfeld site, the product portfolio is complemented by cross-laminated timber.

Revamped joinery center

The partnership with Hundegger, too, has lasted for 18 years. What started in 2006 with

a K2 – back then without the Cambium software – has since grown into a considerable machine park. After having additional bar joinery machines installed in Assling, Theurl put as many as three PBA Industry 3600 machines for the joining of CLT into operation in Steinfeld in 2020. Three years later, the joinery center in Assling was completely revamped.

“After having been in use for 18 years, it was time to retire our very first Hundegger machine and to bring our joinery machines up to the state of the art,” Hannes Fuchs tells us. He has been head of the joinery service center in Assling since it was opened and is responsible for all joinery-related matters at the company.

For this purpose, Theurl moved an existing K2i to a new hall and had two high-performance K2-Industry 1300 machines installed next to it. The machine in the middle is a standard machine, while the second new

one is a mirrored model. “This saves space and makes it possible for just one employee to operate both machines at the same time,” joinery manager Eugen Senfter says, explaining the idea behind it.

Generously equipped

The infeed to the machines is also new: H.I.T. installed a fully automated storage and infeed system above the machines. “Before, our employees had to handle the bars several times between the presses and the joinery machines. Now, no manual intervention is necessary anymore. A vacuum lifter lifts the bars from above and places them on one of the crosswise buffer conveyors in front of the joinery machines,” Fuchs says, explaining the process.

“This way, Theurl achieves the highest possible utilization of our machines, as there is a constant flow of wood from above and each of the three machines can process ele-



At Theurl, the automated infeed ensures the optimal utilization of Hundegger's K2-Industry machines

ments for any construction project. The K2-Industry was developed precisely for this continuous, industrial-scale use,” Hundegger representative Arno Gaggl explains, adding that all three of the machines are equally well equipped.

Each of the two new K2-Industry machines has, among other things, an open circular saw unit, a five-axis universal mill, a slotting device, and a 360-degree, 12-kW robot unit. In addition, the machines have a complete housing and are equipped with an extraction system for suspended particles. Sawdust, wood chips and cuttings are removed via trough conveyor belts below the machine.

All the wood waste comes together underground and is fed to a central chipper. “The machines have almost everything you could wish for and ensure that Theurl's joinery pro-

cess is both flexible and high-performance,” Gaggl sums up.

One software for all machines

Like all new Hundegger joinery machines, those at Theurl, too, are equipped with the Cambium software. This machine software takes the required operational data directly from the respective planning program and also makes it possible to manage and distribute orders among the various machines. “Our Cambium software is a universal software for processing bar-shaped elements, panels and components, but also for connecting entire production processes and monitoring entire production cells,” Gaggl explains. Senfter adds that the use of just one software for all joinery machines also makes personnel planning much easier.

“We supplied Theurl with a complete join-

ery package, which now includes six high-performance machines for the joining of bar-shaped elements and panels at both of Theurl's production sites,” Gaggl says, summarizing the most recent projects. He particularly appreciates the good collaboration with the East Tyrolean company. “We enjoy great trust there. Theurl is always extremely professional, solution-oriented and cooperative. Since we share the same values, we feel extremely comfortable there.” //



Theurl joins around 25,000 m³ of glulam a year for its customers from the timber construction sector



Concentrated joinery performance in Assling: Next to an existing K2i, Theurl had to Hundegger K2-Industry machines installed, thereby bringing its glulam joinery service up to date with the latest technology



Joinery manager Eugen Senfter and Hannes Fuchs, head of the joinery service center (left), are visibly satisfied with the new Hundegger machines