

GEBRÜDER STEININGER

For *all* possibilities

In order to create more added value in the company, the sawmill Gebrüder Steinger decided to invest in a planing mill. Weinig Group of Tauberbischofsheim supplied the entire technology for the plant – from the infeed, the band resaw and the planing machine to the stacking machine.

✍️ & 📷 Martina Nöstler

“We wanted to avoid interfaces and have a complete solution from a single supplier,” managing director Johann Steinger says, explaining his decision for the Weinig Group. At the Rastefeld site, the company operates a heating plant and supplies sawdust to its own pellet plant. With the planing mill, Gebrüder Steinger took its first step towards wood processing. Before, the company had entrusted other companies with this task. “There has been a gradual increase in requests, so we decided to make this investment,” Steinger explains. For the time being, building laths in various dimensions for several export markets are going to be the main product. “We won’t produce

classic planed timber, but rather process the cut wood from our own production in order to create more added value and optimize the sideboards from the sawmill,” Steinger tells us. 95% of the products are intended for timber trade.

Flexible production

For the new planing mill, Steinger built a 1,000 m²-big hall which is operated by only two employees. Bastian Krug is responsible for the project at Weinig. The company supplied the entire equipment, which is laid out in a classic U-shape. First, the forklift driver feeds in the packages of dried wood. A tilt-destacker separates the double stacks into layers. The drying slats fall automatically onto a conveyor belt and are collected. Then, the wood can take two paths – depending on the desired end product.

Thick pieces of wood are separated from the rest and are automatically conveyed on to the Weinig Raimann Profisplit 1100 band resaw. This machine is also a kind of bypass around the planing line. The mechanization automatically brings the workpieces to an upright position and positions them so that a correct center cut can be made. Once the wood is cut, it either heads towards the planing line or, by

- 1 **In order to be able to rip-cut thick pieces of wood, Steinger opted for the Weinig-Raimann Profisplit 1100 band resaw**
- 2 **The Weinig Powermat 2400 is equipped with five spindles and has a feed speed of up to 100 m/min**
- 3 **In front of the sorting station inside the new planing mill: Steinger's foreman Christian Frühwirth and managing director Johann Steinger with Weinig representative Peter Haas (from left)**
- 4 **At the outfeed, Weinig built a stacker with automatic slat laying**



going along the bypass, it passes the planing machine and enters the packaging unit directly. "This way, the plant can be used very flexibly, even just for rip-cutting with the Profisplit," Weinig representative Peter Haas explains.

The raw wood can also be transported directly to the planing line, i.e. without having to pass through the band resaw. During the cross transport, an employee monitors the quality and can sort out low-quality pieces of wood if necessary. Weinig also installed a lengthwise cross-cutting saw in this area.

Five spindles with hydro-tools

The infeed mechanization conveys the wood to the Weinig Powermat 2400 planing machine. This machine has a feed speed of up to 100 meters per minute. The Powermat 2400 processes cross-sections with dimensions of up to 60 x 300 mm. The entire machine is designed for lengths of 2.5 to 5 meters. The planing machine is equipped with five spindles (hydro-tools), the last of which is designed as a rip-cutting unit. "Thanks to this equipment, the Powermat 2400 can be used for four-sided planing and rip-cutting," Haas comments.

The wood which leaves the band resaw or the planing machine is removed with a cross conveyor belt, and an employee assesses the quality. Steininger also opted for an automatic bundling machine. The number of pieces per bundle depends on the dimensions of the pieces. Eventually, layers are formed from the individual pieces and bundles. Stacking tongues transfer them to the packaging machine, which is equipped with five stack slat magazines for automatic slat laying. At the moment, the packages are still wrapped by hand. In the hall, however, there would be space for an automatic package wrapping unit. //



SAWMILL GEBRÜDER STEININGER

Location: Rastenfeld

Established in: 1981

Managing directors:
Johann and Gerhard Steininger

Staff: 70

Cutting in 2020: 350,000 m³ of logs

Products: raw wood for KVH and glulam, dimensions for export markets

Sales: 50% global exports