



Tischlerei Elsenwenger designs and manufactures bespoke interior fittings, and values a high standard of design as well as presentation.

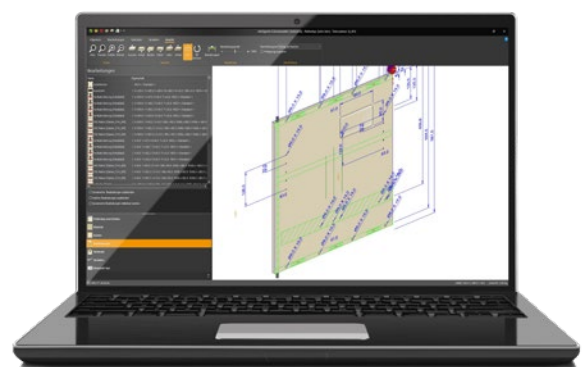
FIVEFOLD INCREASE IN PRODUCTION EFFICIENCY AND SMARTER WORKFORCE DEPLOYMENT

Tischlerei Elsenwenger is a second-generation family joinery business led by Herbert Elsenwenger in Eugendorf, Austria. Since its foundation in 1961, the company has combined traditional craftsmanship with the use of modern technology – its core business consisting of kitchens and bespoke interior fittings. The company employs seven people, five of whom are in production. Since he particularly values compelling presentation for clients, Herbert Elsenwenger personally handles these in order to develop precise and appealing quotations.

Challenge

Dependence on individuals slowed down production

Before Herbert Elsenwenger and his team introduced a CNC machine in combination with Palette CAM, employees were tied heavily to their projects. They worked on different projects in parallel, manually created parts lists, and carried out the machining on several stationary machines, and partly by hand. If an employee had to switch to another project, the project manager responsible first had to provide detailed explanations for all processes and each individual component. This made it very time-consuming to move employees between projects and to complete them quickly and smoothly.



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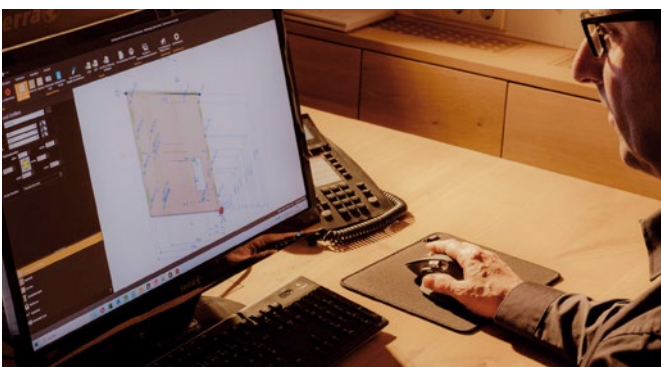
Herbert Elsenwenger

An automated, structured workflow

The joinery therefore needed a digital solution that provided up-to-date access to project data at all times, in order to make production processes more efficient and independent – and also to cope easily with staff absences.

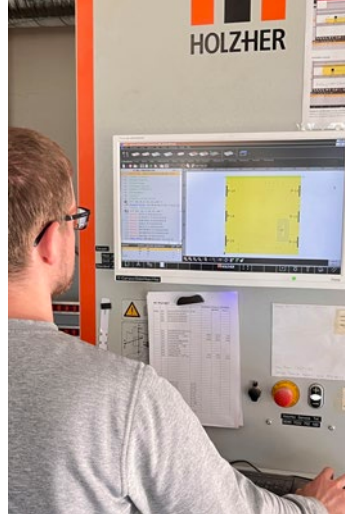
Elsenwenger Joinery has relied on a comprehensive CAD solution from Palette CAD for 25 years: “We decided on Palette CAD back then because even at that time the software already offered a high standard in both design and presentation,” Elsenwenger recalls. “It was already clear to me that CAD would be the tool of the future. And Palette CAD developed very quickly in a relatively short time.” In 2020 the company invested in a CNC machine – a Holz-Her Evolution. The connection of the machine to Palette CAD using Palette CAM was implemented directly, so that the transition from planning to production now runs automatically. The new workflow was established after only two to three months – much faster than the originally planned one to two years. “We were surprised ourselves and would never have dreamed of it – it was an incredible boost and an acceleration in production,” says Herbert Elsenwenger, describing the increase in efficiency. “We can’t imagine working without the CAM integration anymore.”

The implementation of the CAM connection was carried out remotely by the Palette CAD CAM team and, with the help of a questionnaire to record all tools and machining parameters, ran smoothly. The employees in production were able to complete the full transition to the new system and efficiently integrate all processes after just a few months. As the CNC machine now performs the work of three former machines, set-up times are reduced. The use of labels for the individual components further simplifies the flow of information and enables efficient production.



“ Work preparation is somewhat more time-consuming with the new process than before CNC production, but we save five times as much time in production as a result.

Herbert Elsenwenger



In 2020, the joinery business invested in a Holz-Her Evolution 7405 CNC machine.



Today, the workflow is structured as follows:

1. Customer acquisition and presentation:

Most customers become aware of the joinery company through recommendations. At the first meeting, the spatial conditions are checked on site and initial ideas for design and materials are discussed. A preliminary draft is used for the presentation to give the customer a sense of space and a clear idea of what the furnishings will look like later.

2. Quotation calculation:

In Palette CAD, the material requirements can be determined with a click. The calculation can then be carried out quickly, for which the joiners use the industry software OS Datensysteme.

3. Work preparation:

After the order is confirmed, a member of staff in work preparation finalises the design. Materials and surfaces are determined and parts lists and cutting plans are generated with a simple click. “Work preparation is somewhat more time-consuming with the new process than before CNC production, but in return we save five times as much time in production,” explains Elsenwenger the increase in efficiency.

4. Production:

By transferring directly from Palette CAD into the cutting optimisation program, labels containing the information from Palette CAD can be generated. These contain all the necessary data and are scanned in the workshop, where the appropriate CNC program is then started. This allows every employee to access the plans flexibly at any time, without additional explanations or manual rework.

5. Archiving:

All planning data is archived so that components or entire projects can be reproduced at any time.

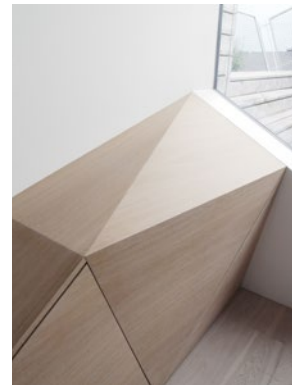
Faster throughput times and increased production capacity



Kitchens are part of the joinery's core business.

Thanks to Palette CAD and the CAM connection, Tischlerei Elsenwenger has been able to significantly shorten its production times – the time saved in work preparation results in up to fivefold time saved in production. The automated provision of all information enables employees to switch flexibly between projects and reduces the amount of explanation required by project managers. This flexibility is a decisive advantage, especially in large projects: employees can easily join ongoing projects and take over components without difficulty, as all details are available at any time.

Thanks to optimised throughput times, the Elsenwenger team now works together on larger orders instead of on fewer, smaller ones in parallel. This is a huge economic advantage, as Herbert Elsenwenger knows: "Every order ties up staff and capital. By handling larger orders and shortening throughput times, we save not only time but also capital, staff resources, and space in the workshop." Today, 95% of interior design and furniture joinery orders are processed via the CNC machine, enabling the company to meet growing demands and larger projects flexibly and efficiently.



In addition to kitchens, the joinery also creates complex, bespoke constructions such as this exceptional sideboard, which blends harmoniously into the room with its bevelled edges.



Owner and Managing Director
Herbert Elsenwenger

COMPANY:

Tischlerei Elsenwenger | 5301 Eugendorf | Austria
Family business in 2nd generation | founded in 1961
www.elsenwenger.at

CORE COMPETENCES:

Kitchens and bespoke furniture construction

CAD/CAM SOFTWARE:

Palette CAD, Palette CAM

CNC TECHNOLOGY:

Holz-Her Evolution 7405



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