

CHARPENTE C. GOEBEL ET FILS

A carpentry's quest for a general-purpose machine ...

... lead to an equipment manufacturer from the Allgäu region

Carpentry Goebel situated in Dahl, Luxembourg, specializes in various projects in the timber construction sector. To increase processing flexibility and allow for CLT processing widths of up to 1.25 m, the company's manager Chris Goebel decided to invest in a new Robot-Drive from Hundegger.

✍ Lorenz Pfungen 📷 Lorenz Pfungen (5), Goebel (1)

The services offered at carpentry Goebel range from conventional carpentry to renovations, wooden decks, pergolas, wooden facades as well as interior constructions and special designs. Another field of application is solid wood construction which required the company to buy pre-fabricated components from external suppliers in the past. The carpentry's main markets are Luxembourg and Belgium with customers such as architects and municipalities, as well as an increasing number of private customers.

Area components of up to 1.25 m width

The investment in a new Robot-Drive from Hundegger enables carpentry Goebel to join CLT components of up to 1.25 m width in-house. With this, the company was able to increase both added value as well as the production output. But the company is not only joining area components with the new machine – the Robot-Drive is also used for bar components and all kinds of carpentry-style connections. Prior to the purchase, all processing procedures were performed manually. Now, Goebel can offer and produce all kinds of different products from wall to floor elements. „Thanks to the new Robot-Drive, we increased both flexibility and precision in our processing process. This way, we are substantially faster than with manual joining“, Roman Feltus, who is responsible for order processing, summarizes. „We noticed that in the last few years, production costs kept rising, also because our competition in the joining sector was

getting increasingly stronger. For this reason, and to keep works in-house, we decided to purchase a joining system“, manager Chris Goebel explains.

Spare capacities for contract joining

The increased production output also enables the carpentry to use spare capacities for contract joining. Demand is not very high yet, but the company is optimistic that the service will catch on as soon as word gets around.

„Compared to before, the investment is a major step forward and an important measure to prepare us for the future.“

Manager Chris Goebel

A well-considered decision

The manager had been toying with the idea of buying a joining system for several years already. In 1997, initial talks with the machine manufacturer started. Back then, however, the financial load would still have

been too large. When last year Goebel built a new workshop, the necessary space for a new machine was already taken into consideration. The carpentry's manager wanted a general-purpose machine that could process all six sides of a component – and in the summer of 2016, the time had finally come: Hundegger delivered a Robot-Drive. Its processing width varies from 60 to 1250 mm, and in terms of thickness the range is 20 to 300 mm.

After the design stage, the plans are imported into the included machining program Cambium. Before the actual processing starts, an employee checks the order once more. During operation, the software displays the work's progress while settings for the following component can already be made. It is not necessary for an employee to be present during the processing procedure but it is important that sufficient materials supply and the removal of finished components are ensured. Hundegger's scope of supply not only includes the Robot-Drive itself but also a loading cross conveyor that automatically feeds unprocessed timber to the material intake. The machine is labelling joined parts to facilitate quick identification of the components on the construction site

Training at the manufacturer's

The equipment manufacturer not only supplies hardware but also offers software trainings for the carpentry's employees. Goebel was particularly impressed with the





fact that the trainer knew almost everything about his carpentry. „At the training, the machine was adapted to our needs. When our people returned, everything was running smoothly. Already at the very first time of contact, Hundegger's employees were both very helpful and interested“, a satisfied Goebel recapitulates, and continues: „Compared to before, the investment is a major step forward and an important measure to prepare us for the future.“ //

LIGNA

Halle 13, Stand C10



CHARPENTE C. GOEBEL ET FILS

Location: Dahl/LU (1)

Managing director: Chris Goebel

Employees: 25

Products: Carpentry and plumbing work, renovations and old-building renovation, solid wood houses, wood stand constructions, terraces, carports, pergolas, facades, heat insulation, interior construction, contract joining

HUNDEGGER

Location: Hawangen (2), 26 branches and partners worldwide

Chairman: Hans Hundegger

Employees: 400

Products: Joining systems, cutting and portal milling systems

- 1 The new Robot-Drive has been in operation since August 2016 at the carpentry Goebel in Dahl/LU
- 2 Manager Chris Goebel (front, center) with Luca Clees and Romain Feltus (from left to right), Anthony Belge, Fabio Cardoso Dias, Jacky Belge (back, from left to right) - everyone is satisfied with the investment
- 3 A five-axis sawing slotting unit is used for chop cuts, mitre cuts and jack rafter cuts and similar applications
- 4 Goebel is utilizing a universal mill to manufacture all kinds of carpentry-style connections
- 5 During its almost one hundred years of existence, the site has been expanded step by step
- 6 During the processing, employees can view the work's progress in the program Cambium