Ledinek focuses on woodworking

Since more than 100 years the Slovenian family-based enterprise Ledinek deals with the working and processing of wood. Nowadays Ledinek machines are used worldwide in the wood processing industry.

Prototype realized in record time

When Ledinek realized his fully automatic press for curved beams, it put his faith in Siemens as a full-service provider for controlling and drives technology. Thus the project could have been implemented in a record time of just 5 months in total, from planning up to manufacturing.

FLEXIPRESS-CNC

- flexible production of curved and straight elements from laminated beams
- quick adaption to a wide variety of allocations and steppings
- efficient production of even very small lot sizes

Technical data

- Press length: up to 90,000 mm
- Clamping width: 200 up to 2,500 mm
- Clamping height: 80 up to 300 mm
- Beam camber: up to 1,500 mm
- Minimum radius: 11 m
- Angle of the pressing and positioning elements: up to ± 30°
Automation from a single source

A SIMATIC S7-300 PLC, a SIMATIC multi-panel MP277 with 10-inch touch display for HMI functionality, and the drive system SINAMICS S120 with Siemens geared motors from Siemens are inserted. Furthermore, a secure internet or intranet access is possible, from HMI and PLC, towards even the drives parameters. Thus, process or systems errors often can be localized and fixed via remote diagnosis. Even the subject ‘energy efficiency’ plays an important role: all future series of machines are equipped with Siemens motors of the latest generation with high energy efficiency standards.

Geared motors from Siemens for positioning and pressing elements