Founded in 1986 under the name of Uffe Sass A/S, Obel-P Automation has been a member of the Obel-P group since 2003. "We develop machines primarily for the wood industry and are known throughout the world as a major supplier of machines and production lines, for example for manufacturing doors, windows, glued boards and particle boards," Morten Pipper, Managing Director of Obel-P Automation, explains. The company has extensive experience, above all in developing and applying high-frequency solutions for curing or hardening the glue faster. The high-frequency generators Obel-P Automation installs into its machines are made by the company itself.

**Effective use of raw materials and energy**

Producing glued boards at a speed of approx. seven meters per minute (23-ft/min) poses a particular challenge in the wood industry. To meet it, Obel-P has developed the specially-designed continuous press line for gluing, pressing and cutting glued boards non-stop. Feeding in wood bars
Moreover, by using the very fast EtherCAT network to communicate between the decentralized control cabinets and the central controller, we have been able to make the pressing line at least three times as fast compared to a conventional PLC solution," Morten Pipper emphasizes.

By now Obel-P has invested in the Beckhoff automation platform including the Beckhoff servomotors and EtherCAT Servo Drives from the AX5000 series in all its machines and lines. "Customer response is extremely positive," the Managing Director explains. "For us as manufacturers this is an advantage to work with just one platform which we can program ourselves and which our technicians know inside out," Morten Pipper declares with satisfaction.

The continuous press line for the non-stop gluing, pressing and cutting of the glued boards for the furniture industry. The machine is 41.2 m (135.2-ft) long and consists of a portal in-feeder, sorting line, gluing station, continuous high-frequency press, board-trimming saw and palletizing station.

of different widths optimizes the use of the raw material and prevents cutting too close to the glued joint when cutting the finished boards to size.

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