

Process and manufacturing expertise for complete plants in the field of engineered wood

When designing new production plants in the field of engineered wood, the interlinking and interfacing of individual supply components often increase the planning effort and implementation time. They also entail unforeseen risks during the project. That is why there is a growing demand in the wood-based materials industry for a contact partner with overall competence. This is exactly what Hymmen, the machine and plant engineering company from Bielefeld with more than 130 years of company history, offers its business partners.

For decades Hymmen has proven its professional handling of entire production processes. These include small production lines with only 10–20 meters as well as huge plants with production lines of overall 200–400 meters length. This process know-how is complemented by the proven in-house production of individual machines used in the production of engineered wood, as well as the control technology covering the entire plant. This includes

- Roller application machines for glue or adhesive
- Glue nozzles
- Individually adapted transport and conveying equipment (turners, modular belts, roller, belt and chain conveyors, etc.)
- Single opening and multi-daylight presses (heated and unheated)
- Portal and robot handling
- Fully automated and interlinked control technology

The combination of process expertise with the manufacturing know-how of individual components at Hymmen has already led to individual plant projects in the field of engineered wood in the past. In the process, Hymmen has repeatedly been able to contribute its enormous innovative strength and experience with continuous, 24/7 production lines.

"The positive feedback from our customers and the market's demand for significantly higher automation and efficiency has now prompt-



Hymmen plant components to produce engineered wood

ed us to expand our commitment in this market area," explains Dr. René Pankoke, Managing Partner of Hymmen.

This includes all manufacturing processes involving gluing, impregnation, coating and pressing. Examples are the production of cross laminated timber, veneer plywood, glued laminated timber and blockboard. But also special applications in which panels for vehicle and caravan construction are made from multi-layer structures, as well as sandwich and honey-

comb panels, are among the products for which a high level of creativity and innovation is required time and again. "It is always fascinating to see how a shared vision of a complete new plant, in many technical discussions with the customer, finally turns into several hundred meters of functioning production line," points out Pankoke.

There will be an opportunity at LIGNA to discuss more details on projects that have already been successfully implemented and the possibility of new project planning.

Another focus at the booth is equally relevant to all Hymmen-owned as well as external machinery and equipment. "This is the smart2i Industry Intelligence solution, for cloud-based monitoring and analysis of all relevant process parameters to optimize the entire production," summarizes Dr. René Pankoke, owner and CEO of Hymmen. People will be able to experience the live application of smart2i in real time at the booth. This is done via virtual access to real production data.

