

The system was first used for the production of OSB in 1997.

Siempelkamp had plenty of other technologies to talk about during Ligna. One was the process control and optimization system, Prod-IQ Next. In the self-optimizing plant of the future, customers will only have to specify the product they want to produce, its characteristics and quantity. The rest is fully automated—from the change to the desired product, to online quality control, to the change to the next product on completion of a production order.

The goal of Prod-IQ Next is the further development of the online quality control system into a superordinate control loop, which configures the system to optimize costs and simultaneously ensures the desired board properties—without the need for operator intervention.

Siempelkamp also addressed its mat steam preheater, ContiBooster. The ContiBooster heats up to 40% of the mat before the press. In order to achieve this effect, the Siempelkamp specialists have replaced the intermediate belt in the press infeed section with a steam-permeable wire-mesh belt. Steam boxes attached above and below the wire-mesh belt use overpressure to inject up to 500 kg/h of saturated steam into each mat surface layer and thereby heat up to 40% of the mat. The steam boxes can also be pulled out to the side for easy maintenance.

Siempelkamp in cooperation with its Italian subsidiary CMC Texpan has developed the wind former Ecoformer SL (Surface Layer), said to reduce the use of materials by up to 5% compared to conventional systems in particleboard production.

Siempelkamp also developed the Ecoresinator P in cooperation with subsidiary CMC Texpan. With the Ecoresinator P, the core-layer particleboard material is first divided and then sprayed with a fine glue mist from the inside and outside using special nozzles with optimum pressure that are installed offset and opposite to each other. The system is currently in further development at a Siempelkamp customer site in Central Europe. Two other systems have already been sold.

Siempelkamp has also developed the Ecodrive drive system to power its ContiRoll discharge drums. Consisting of an energy-efficient electric motor and two-stage gearbox, the powerful system is suitable for all ContiRoll models.

Hashimoto regularly participates in Ligna and sees the event as an opportu-



Siempelkamp revealed the future of quality control.

nity to meet global business partners and friends. The company emphasized its lathe line and veneer composer machinery and technologies.

"Confronting new challenges based on real demand is another aspect we cherish," Tokuritsu Ishihara stated. "We plan to stay as an exhibitor for the time being. It was an exciting show."

Ligna was very positive for Fezer, with the number of visitors very good, but most important was the good quality, according to Commercial Director Gustavo Rene Mostiack "We had several customers coming with new projects and also a good number of new leads, which will for sure bring new contracts for the future. Majority of good contacts remain in Eastern Europe, but we also noticed a good number of South American visitors." The company's XY charger received considerable interest due to its advantages in wood recovery. "We see potential customers not only

for delivery of XY chargers with our peeling lines, but also for retrofitting outdated lines from competition," Mostiack said.

Ligna was a success for USNR, generating several project leads and requests for quotations, according to senior marketing associate Sonia Perrine. USNR's 6-deck jet dryer was on display, represented by a real-world 3D model under glass, supplemented by a 3D animation detailing the operation of the Automatic Dryer Exhaust Control (ADEC) system. The display was met with enthusiasm and led to lengthy meetings on new project possibilities. Prospects from Russia, Brazil and the Southern United States seemed particularly interested in USNR's panel technologies, discussing future lathe, dryer and press projects.

Steel belt manufacturer Berndorf Band found a lot of interest in registered embossed surfaces with endless steel



Grenzebach demonstrated warehouse logistics automation.