



Application of resin to fibers, Pavatex, France



Front-end technology: Successful from the very beginning

Complete plants for the wood-based materials industry from the wood-yard to the packing of the finished boards are Siempelkamp's specialty. The perfectly adapted front-end technology for this spectrum is the best start for a successful plant.

Our scope of supply upstream from the press begins with the de-barking process and the flaking and milling technology. Machines used for dry-cleaning are part of our product spectrum. They remove contaminants from wood chips that are produced from recycling wood. Our screening and separating units incorporate outstanding screening and fractioning technology. These units are equipped with oscillating screens, disc screens, drum screens, roller screens or wind separators. Our screening and fractioning technology guarantees the gentle handling of chips, wood particles, flakes, fibers, and strands.

► The year 2013

The complete machinery for the front-end was in demand

- We received 14 orders for equipment ranging from the wood-yard to blending systems for the complete process or for process-determining machines
- 13 startups of large plants

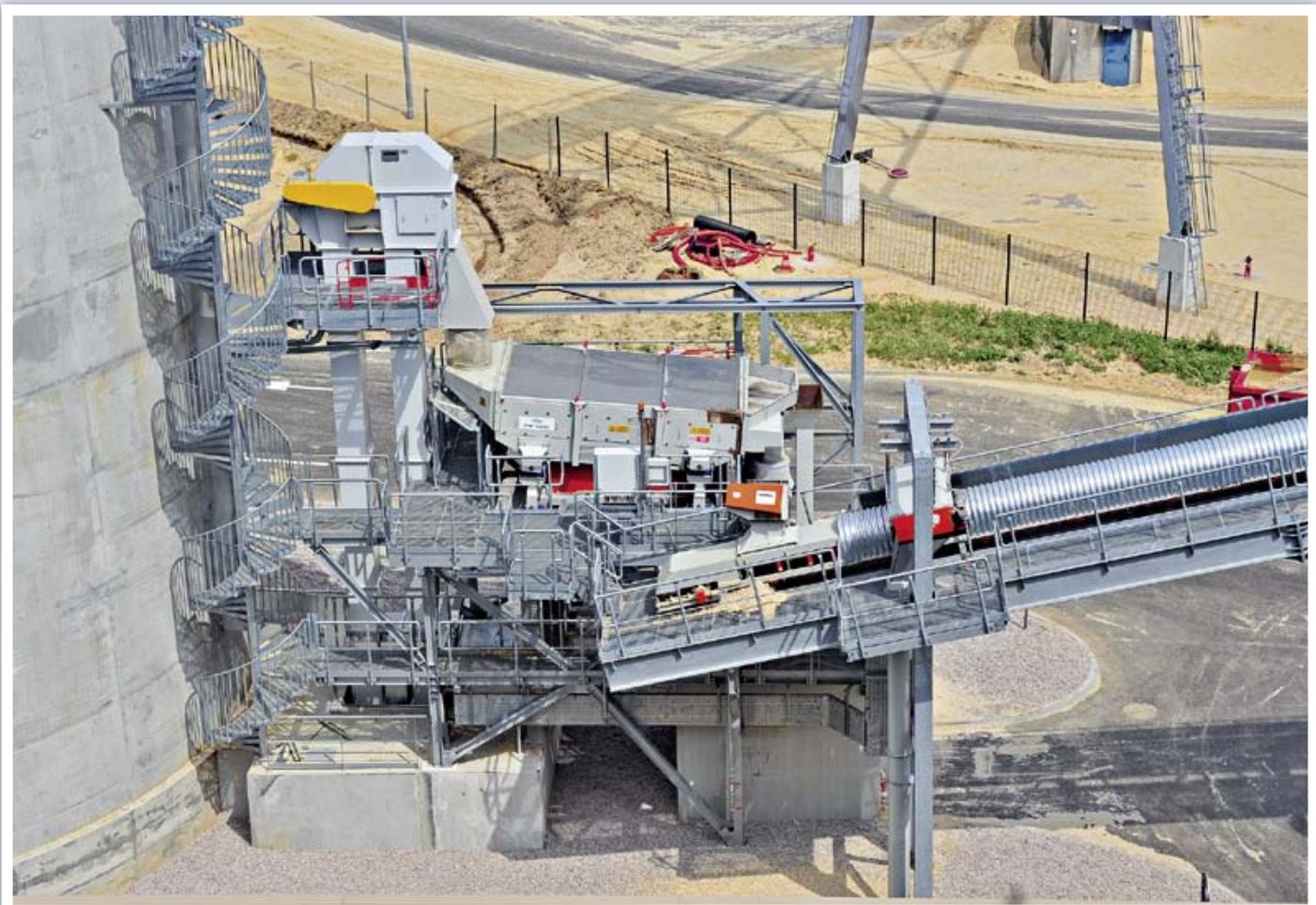


Glue kitchen AGT, Turkey

Another front-end component are our conveyor systems which support low-maintenance and incident-free operation. Considering the plant capacity and customer requirements, our experts design an optimal layout.

Siempelkamp can also provide the right solution for the intermediate storage of chips, wood particles, strands, flakes, and fibers. Bunker and silo installations are part of the scope of supply, as well as dosing systems which will provide uniform material feed to the subsequent aggregates. Due to the improved leveling of the filling height and high precision scales designed to deliver a precise dispensing of flakes and fibers, the newly developed dosing bins improve the precision and efficiency of resin dosing and application. In 2011 we developed a new resin injection system – the Ecoresinator for fibers. As confirmed by multiple operators of this system, the Ecoresinator saves up to 20% in resin while maintaining high board quality in regards to mechanical and optical properties. Together with our subsidiary CMC Texpan, we are currently testing an innovative resin blending system for particles. The special nozzle technology promises to save up to 10% in resin during particleboard production.

Our complete front-end technology opens up numerous advantages to our customers including: no interface points right from the beginning, high performance, low production costs and high-quality raw material – the optimal starting position for a high-quality end product!



Roller screen Pavatex, France