

RETENMEIER BALTIC TIMBER

The 100% wood waste disposal solution

Automatically clean machines and fast, redundant processing as requirements

Even under the saw line, the floor remains clean: no dust, no pieces of wood. Roller conveyors with a housing run overhead and reliably transport all wood waste to the central disposal site. As in Wilburgstetten/DE, Rettenmeier Holding has commissioned Rudnick & Enners to provide a complete wood waste disposal system for its site in Inčukalns/LV, too.

 Gerd Ebner

The chipper profiling line is equipped with roller conveyors for the separate collection of sawdust and wood chips, each of which are transported to the central screening house. Paul Schmid, Rettenmeier's Technical Director, explains: "All machines are cleaned automatically, so nobody has to worry about that."

No dust, no noise

The structural separation of the screening house ensures low dust and noise emissions. Furthermore, all belt conveyors are equipped with dust collection housing and cleaning brushes on the return conveyor. Inside the screening house, five Rudnick & Enners RS 3

x 15 screening systems and two identical TH 400/1250/7 drum chippers are installed. "The installation of two chippers creates redundancy and, as a result, reliability. If necessary – for example, when peak quantities of material need to be processed – the second chipper switches on automatically," Christian Gebele, Rudnick & Enners's project manager, explains.

700 steres of wood chips, 500 steres of sawdust

The plant is designed for up to 700 st/h of wood chips and 500 st/h of sawdust. All trough chain conveyors are capacity-controlled to

coordinate material flows and minimize wear. Furthermore, resonance conveyors are used to transport the residual wood from the sorting lines. These "vibrating chutes" ensure efficient, energy-optimized transport over long distances. Bucket elevators convey the screened sawdust and wood chips to the storage areas, where they are distributed along the entire length using mobile conveyor belts.

Visualization for interventions and overview

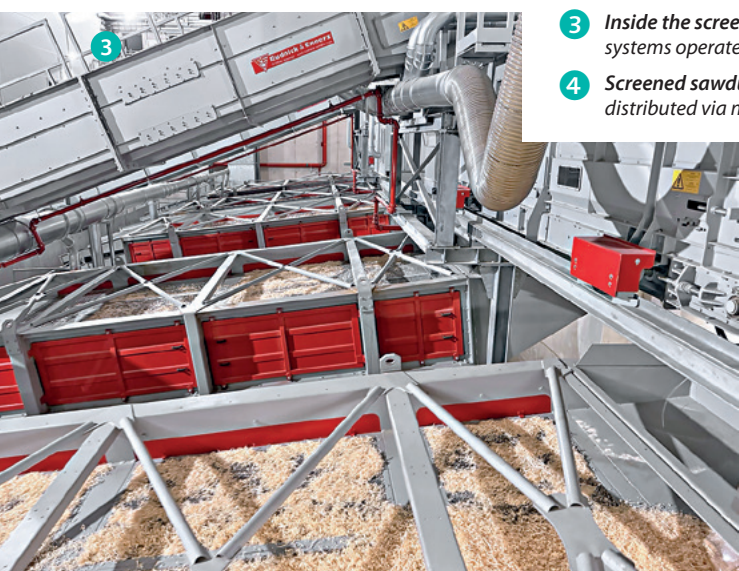
All processes are displayed in the plant visualization system. This way, all components can be controlled centrally. //



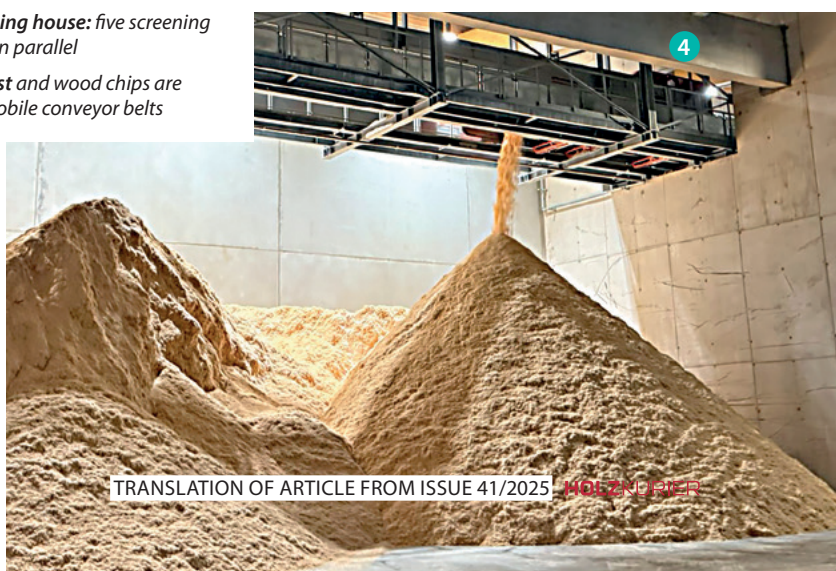
1 Chutes with a housing for cleanliness: No dust is visible – even under the line



2 Two redundant chippers ensure performance and failure safety



3 Inside the screening house: five screening systems operate in parallel



4 Screened sawdust and wood chips are distributed via mobile conveyor belts