Efficient disposal of rotary cut veneer

For Italian Invernizzi S.p.a Vecoplan developed a tailor-made and energy-efficient disposal line together with materials handling for veneer wood rests.
Vecoplan put special emphasis on technical requirements. The whole system is characterized by high energy efficiency and forms an optimal interface to the steel structures. Because of that Invernizzi can produce high-quality fuel with veneer wood rests. Vecoplan engineers modified the drum chipper feeding conveyor so that it can easily transport the valuable raw material. The material handing over provided by the customer was integrated in the new disposal line without problems.

Disposal in veneer wood factory

Invernizzi S.p.a is a leading Italian manufacturer of chipboard and plywood panels in Solarolo Rainerio (Cremona). On their 380,000 m² premises Vecoplan built a complete disposal line for rotary cut veneer rests with following transport to external storage location.
Rotary cut veneer rests from own plywood production

Homogeneous wood chips for chipboard production and for biomass plant
Modified total package

Focus on input

The entire disposal line was designed and implemented by Vecoplan. The scope of service:

- Consulting
- Project planning
- Delivery of machines
- Installation
- Commissioning

High-performance overall process

All Vecoplan components in Invernizzi disposal line are harmonised with all other existing components and designed for performance, efficiency and output quality.

- Vecoplan drum chipper feeding conveyor with integrated metal detector
- Pre-compression rollers to reduce volume
- Vecoplan drum chipper VTH 250
- Drag chain conveyor from drum chipper to outdoor storage
Conveying

Vecoplan dosing, storing, and conveying components are designed and matched to each other in detail to ensure a continuous material flow. The modified feeding conveyor was specially constructed for the challenging input material rotary cut veneer. On customer request the feeding conveyor was built to allow the integration of a raw material delivery provided by the customer.

The drag chain conveyor is a clean and closed system. The proven technology reliably conveys material even over high gradients. In the disposal line the drag chain conveyor transports the wood chips from the drum chipper to the open-air storage.

Shredding

The Vecoplan drum chipper is a robust and compact chipper with horizontal feeding and low space requirement. The aggregate produces continuously and efficiently homogeneous quality wood chips.
Increased production capacity

The new rotary cut veneer line from Invernizzi can successfully be realised with Vecoplan shredding and conveyor technology. Customer benefits from increased production capacity.

- Production of high-quality fuel for thermal utilization
- Energy saving due to latest shredding and control technology
- Increased production capacity
- Reliable detection of impurities prevents losses
Right from the start, our new plant works trouble-free. We are very satisfied with the Vecoplan solutions.

Giuseppe Invernizzi