



REFERENCE BIOMASS & PELLETIZING

HEGGENSTALLER
UNTERBERNBACH

Vecoplan[®]

ANNUAL THROUGHPUT CAPACITY:

160.000 tons/a

Based on 250 working days
(à 16 h/day) corresponding to 40 t/h

VECOPLAN SCOPE OF SUPPLY:

- 2 screw conveyors
- 1 hydraulic discharge device (pulling design) with approx. 1.500 m³ filling volume and a discharge capacity of 300 m³/h
- 1 disc screen
- 6 slides with electrical motor drives
- 5 Y-chutes
- 16 drag chain conveyors
- complete sheeting between above products

For VECOPLAN-references in the field of wood pellet plants chipped fresh wood in size of wood chips is fed from the chipping place to the intermediate bunker (hydraulic discharge device VECOPLAN) or directly to the pelleting machine. Further the dust feedback is also realized with VECOPLAN conveying technology.

Sale of the produced pellets takes place around the world and will due to the steadily rising oil prices represent an inexpensive long-term alternative to other heating sources. At the plant in Unterbernbach the chipped fresh wood is brought to the beginning of the VECOPLAN-scope of supply by means of a VecoBelt conveyor. At the transition point about 300 m³/h of the arriving conveying material is being fed by a screw conveyor directly into the pellet production cycle. The excess material gets automatically stored in stocks. This consists of a hydraulic discharge device allowing for a discharge capacity of 300 m³/h. From there the material can alternatively be fed – e.g. in the event of standstill of the chipping plant – into the cycle of the pellet production.

Before further transport to the production cycle the objectionable overlength parts (bigger than 300 mm) get removed out of the stored material by means of a disc screen. Also, several conveying distances between different intermediate silos, wet chip silos and the dust feedback

have been realized. The conveyors are between 600 mm and 2.000 mm wide, and the conveying capacity is between 80 m³/h and 300 m³/h. At realization of this plant VECOPLAN was responsible for the complete engineering of the conveyors, the detailed agreements with the customers, the supply (without structural steelwork), the assembly and setting into operation. In particular, the extensive interface clearing with regard to existing machines presented a great challenge.

The company Heggenstaller additionally operates a combined heat and power station in their plant in Unterbernbach where VECOPLAN also succeeded in supply and assembly of the hydraulic discharge devices with downstream conveying technology.

Anton Heggenstaller
Unterbernbach GmbH & Co.
Mühlenstrasse 7
D-86556 Unterbernbach

