Low-temperature sewage sludge belt drier

stela® drying technology
STE A - Low-temperature sewage sludge belt drier

STE A is a medium-sized family-owned enterprise with an experience of more than 40 years in the technology of low-temperature drying.

With the STELA sewage sludge drier, the most various sludges are dried in a reliable, energy-saving and dust-free way to DS contents up to a dry substance of 95%.

The mechanically dewatered sewage sludge is extruded on a purpose-built granulator. Subsequently, the product falls directly onto a perforated conveyor belt and forms a pile with good ventilation. The product is brought into the drier tunnel, where hot air flows through it drying it efficiently.

This process avoids mechanical product stress as far as possible.

**Decisive characteristics of our drying plants**

- product turning device for a constant final moisture and easy ventilation of the product
- low thermal and electrical energy consumption by means of a proven air circulation system and optimally synchronized components
- drier sizes individually adaptable to the particular conditions and designed in three different belt widths for individual adaptation to the customer demands

1 = product infeed  
2 = granulator  
3 = product  
4 = turning device  
5 = web belt or stainless steel belt  
6 = discharge screw  
7 = hot air generation  
8 = circulation air system  
9 = fresh air  
10 = exhaust air
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- water evaporation rates of 0.2 – 6 t/h or more
- more than 400 belt driers in the most various sizes installed all over the world
- single-belt drier or two-belt drier depending on the location
- exhaust air scrubber for every plant size
- turnkey belt driers including exhaust air conditioning
- special granulating unit without product remixing
- use of low-caloric heat
- reliable and approved drying technology
- high-quality and flexible order processing on schedule due to in-house production by qualified STELA staff

Type: PBT 1/2500-17, water evaporation 1.000 kg/h

Type: PBT 1/2500-12, water evaporation 1.250 kg/h

Type: PBT 2/2500-24, water evaporation 3.000 kg/h