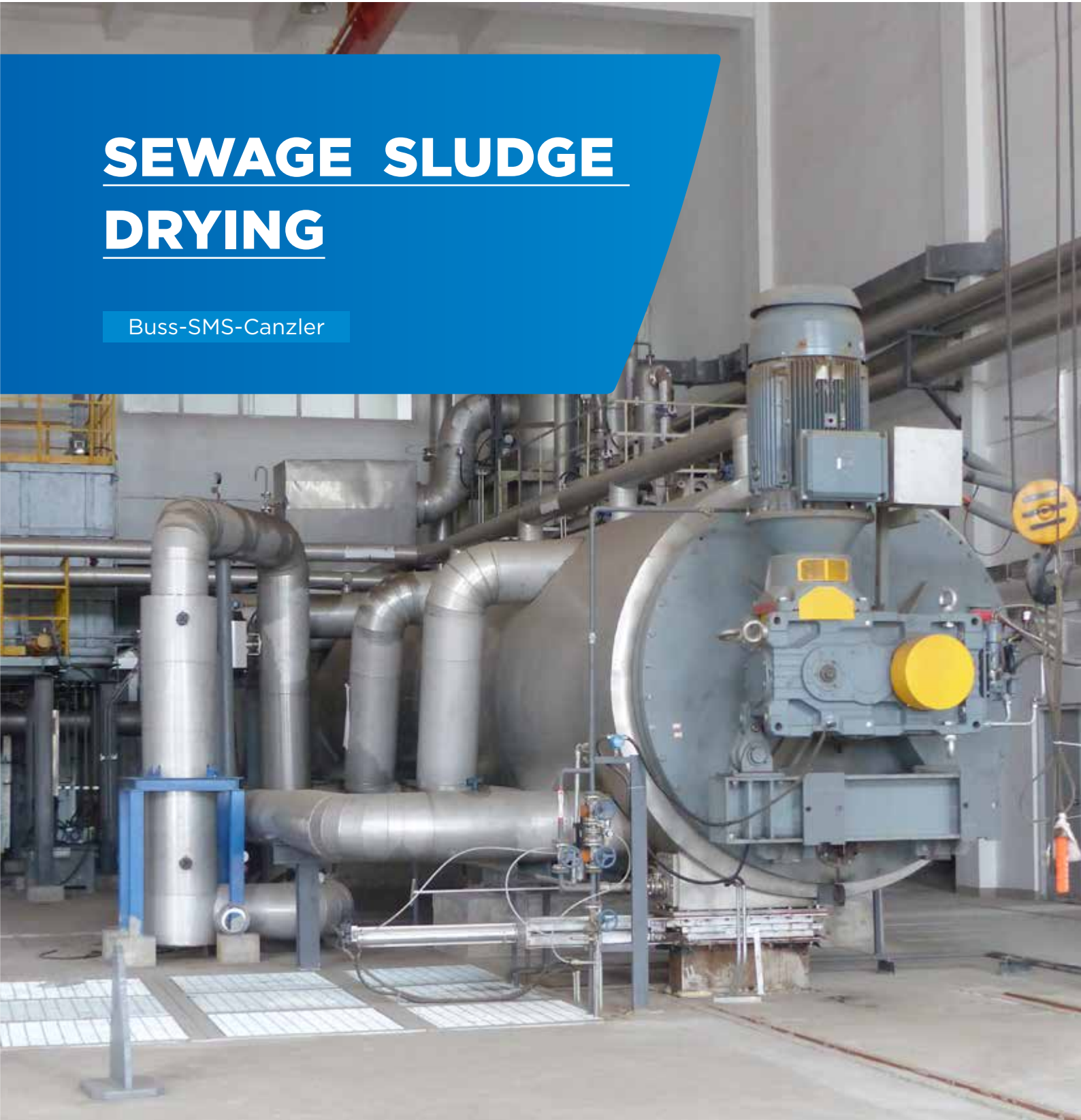


SEWAGE SLUDGE DRYING

Buss-SMS-Canzler



QUALITY POWERED BY EXPERIENCE

Technology


- Contact drying
- Thin film
- No backmixing

Characteristics

- Safe
- Low residual sludge in the dryer
- High availability

Drying Varieties

- Partial drying
- Full drying
- Single- or two-stage



»We are experts in sewage sludge drying and the world's No. 1 in thin film drying technology.«

SPECIALISTS IN SEWAGE SLUDGE DRYING

As the world's leading supplier in thin film drying technology, we create the ideal solution for every requirement - for safe and efficient drying of sludge from municipal and industrial sewage treatment plants.

The use of sewage sludge as a well-defined product is becoming increasingly important. Partial and full drying are the necessary treatment steps to convert sludge into a valuable product. In these drying processes the thin film dryer is the first choice.

The core of the SMS sludge drying installations is the horizontal thin film dryer - a continuous contact dryer.

In a heated cylinder, a rotor rotates with linear-arranged rotor blades. The sludge is fed at one end and exits at the other end. The machine size is determined by the amount of sludge, heating temperature and degree of drying.



Rotor blades sewage sludge drying

VARIOUS DRYING SOLUTIONS

Partial Drying

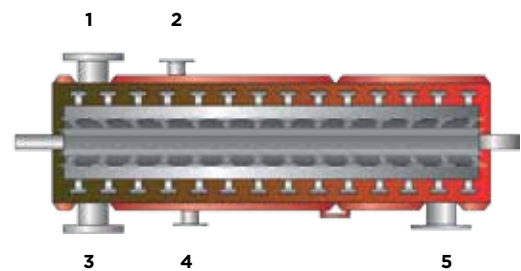
Drying to any desired dry substance content between 30% and 70%.

- For combustion in fluidized bed systems
- For co-incineration with waste
- For composting
- For conditioning with lime

Evaporation capacity: 0.5-10 t/h in one dryer

Sewage sludge dryer, cross section (lengthwise)

- 1 Vapors
- 2 Heating medium inlet
- 3 Sludge feed
- 4 Heating medium outlet
- 5 Dry sludge



Full Drying

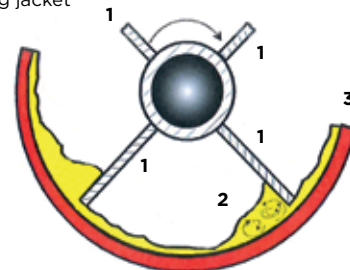
Drying to any desired dry substance content between 30% and 90%.

- For combustion in cement kilns and coal-fired power plants
- Suitable for pyrolysis and gasification
- As biofuel

Evaporation capacity: 0.25-4.5t/h in one dryer

Sewage sludge dryer, cross section

- 1 Rotor blades
- 2 Sewage sludge
- 3 Heating jacket



SMSInside
Excellence

UNIQUE ADVANTAGES

Numerous advantages make the SMS Thin Film Dryer for sludge drying very successful - the more than 100 units installed worldwide are proof of the market's recognition.

- Overcoming sticky phase
- Low residual sludge in the dryer
- Vapors inert the system
- Fast start-up and shut-down
- Short downtimes for maintenance



*The perfect solution for
your sewage sludge drying*

INSIDE EXCELLENCE

Buss-SMS-Canzler is the leading international supplier of processes for the thermal separation of mixtures which are difficult to handle and worldwide No. 1 in thin film evaporation technology.

We develop and build plants and equipment and systems amongst others, for such processes as evaporation, drying and processing of highly viscous materials: exceptionally precise, efficient and innovative.

As a true expert in a wide range of industries, we have been providing the best quality with process – and application know-how for decades: from consultancy and process planning to engineering, manufacturing and service. All 100% made in Germany and Switzerland – and always with focus on high economy and investment security.



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