

# Thin Film Dryer Vertical & Horizontal

High performance  
in vacuum and  
atmospheric  
operation



Drying  
Technology

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# From liquid to solid in one step



Buss-SMS-Canzler offers tailor-made vertical and horizontal thin film dryers. In thin film dryers, the product is spread by the rotor blades as a thin layer onto the heated wall. The volatile components are continuously evaporated and the product leaves the dryer with the desired moisture content. The technology ensures high evaporation rates and is able to dry products from liquid to solid in one single step.

## Vertical thin film dryers



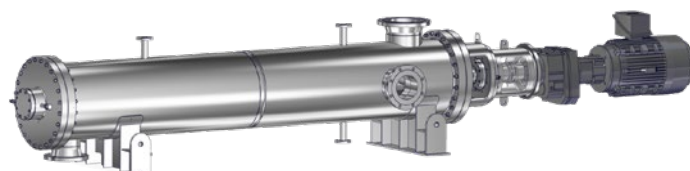
### Unique advantages of both dryers

- ✓ From liquid to solid in one step
- ✓ Little product hold-up
- ✓ Short residence time
- ✓ Vacuum and atmospheric operation
- ✓ High evaporation capacity
- ✓ Little residual product inside dryer after shutdown

### Typical applications

- ✓ Drying of salt solutions
- ✓ Silane recovery
- ✓ Silicone drying
- ✓ Glycerine recovery

## Horizontal thin film dryers



### Typical applications

- ✓ Sewage sludge
- ✓ Industrial and chemical sludges
- ✓ Pharmaceutical ingredients
- ✓ Chemicals
- ✓ High-value proteins

For some applications, both dryers can be combined for very effective processing of

- ✓ Dyes and pigments
- ✓ Polypropylene suspensions
- ✓ Optical whiteners

**Both dryer types are available in our Test Centre. Thus, new applications can be realised based on lab and/or pilot tests.**



**INFO**

[www.sms-vt.com/technology/drying-technology/thin-film-dryer](http://www.sms-vt.com/technology/drying-technology/thin-film-dryer)