## **Buss-SMS-Canzler**



We live process engineering and special manufacturing



# Buss-SMS-Canzler Core Competence Evaporation

Buss-SMS-Canzler is a leading international supplier of thermal separation solutions for difficult products and mixtures. We are the world's leading supplier of thin film evaporation technology. We develop and manufacture machines and plants for drying, evaporation, processing of highly viscous materials and membrane filtration. Our experience and our test centre in Pratteln with its 20 pilot plants allow us to develop customer specific process solutions by applying tailor-made equipment and complete systems. We work world-

wide for renowned companies in industries such as plastics, fibres, polymers, specialty chemicals, agrochemicals, oleo- and petrochemicals, fine and basic chemicals, biochemicals, food and pharmaceuticals as well as environmental and energy solutions.

Buss-SMS-Canzler partners you as consultant, designer and manufacturer through all project stages: from process layout, engineering, mechanical design, manufacturing and documentation to installation, start-up and after sales service.

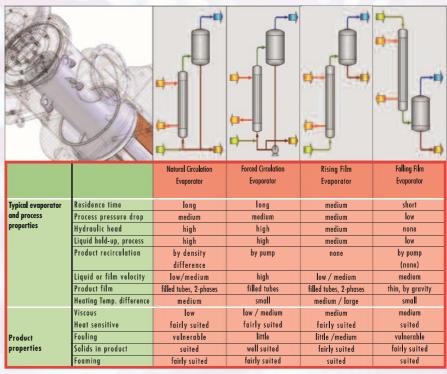
For future product changes or changing process requirements we assist you with our expertise and innovation, always keeping the costs in sight.

#### Over 8.000 references in more than 50 countries

For more than five decades we have consistently expanded our leadership in the area of evaporation technology. Samesreuther & Co. GmbH, founded in 1919, began specializing in thermal separation technology in the 1950s and then merged with Müller-Schuss GmbH in 1964 to form the company SMS. In 1972, SMS was acquired by Luwa AG, Zurich, changing the name to Luwa-SMS GmbH. In 1983, Buss AG took over the thermal separation technology of Luwa AG. In 2003, Buss-SMS took over the process technology of Canzler GmbH, thus combining step-by-step complementary strengths with the target to remain a knowledgeable and reliable partner for your future process challenges.



Thin film evaporator in our test facility



Static evaporation equipment

## **Evaporation Technology**

## Higher efficiency with optimised process stages

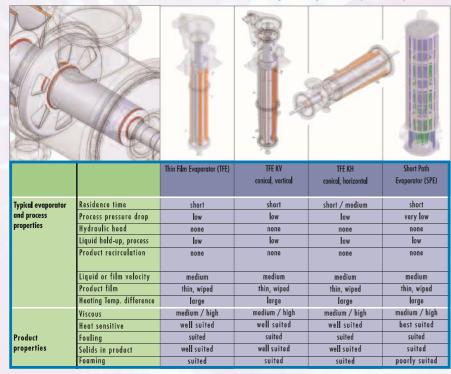
Optimising processes and costs of your production plant means perfect tuning of all components. According to your specific requirements, we design and build complete single or multi-stage plants in various kinds of configurations, including thin film evaporators, short path evaporators and complete distillation column systems.

Depending on the requirements, static evaporators may be used in upstream stages of thin film and short path evaporation systems. Falling film evaporators, forced circulation evaporators, natural circulation evaporators or rising film evaporators can significantly improve the efficiency of your complete system.

If necessary, the vapour stream generated from the thin film evaporation stage can be separated in distillation columns



Multi-stage falling film evaporation plant for miscella distillation



Thin film and short path evaporators



Pilot plant for methyl ester evaporation