

# EKATO SOLIDMIX

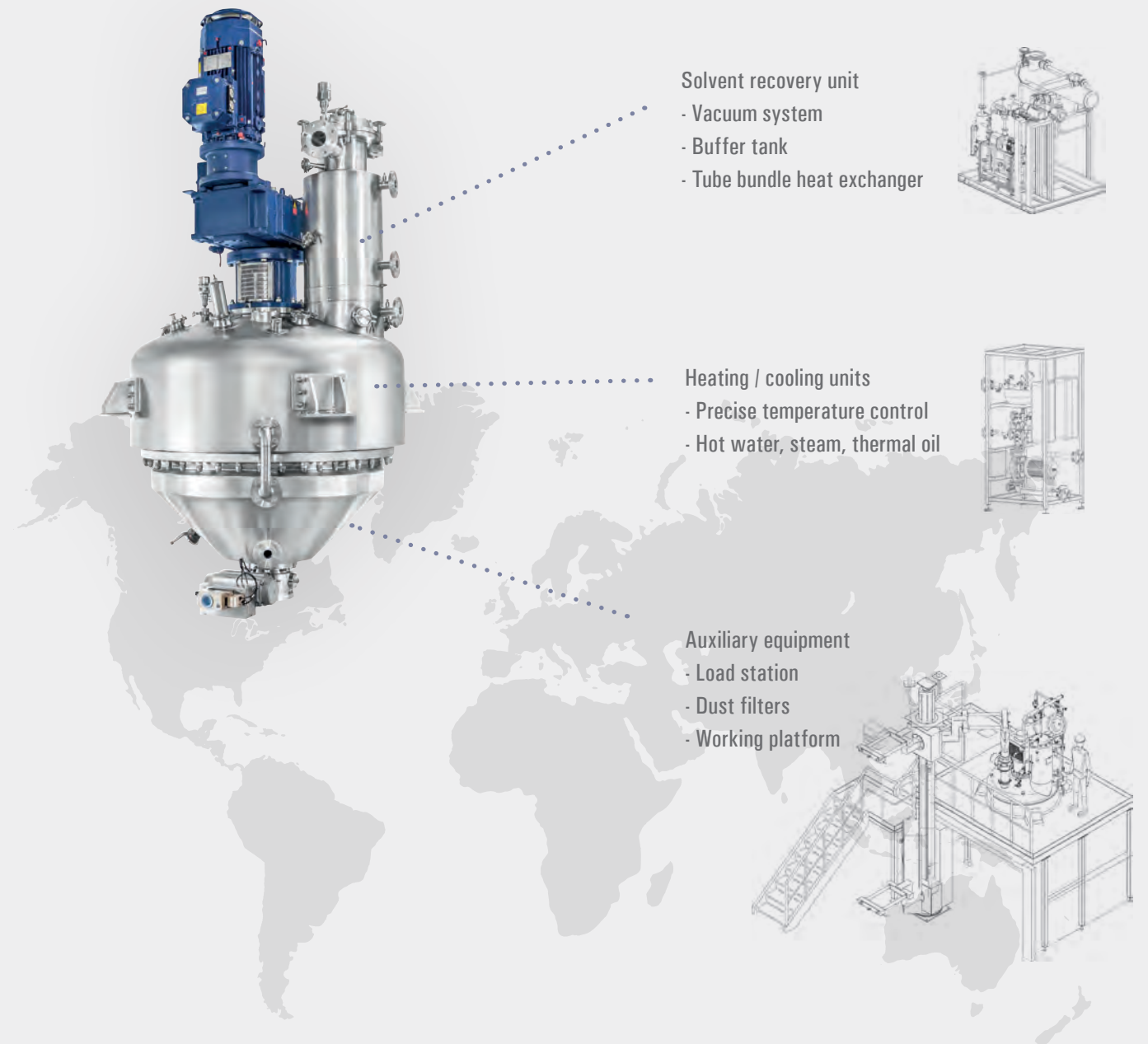
Mixer and vacuum contact dryer for solids in chemical and pharmaceutical processes

EKATO SOLIDMIX PORTRAIT

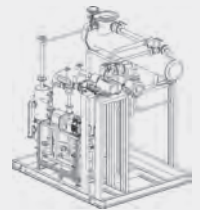
## EKATO SOLIDMIX turnkey solution

- > Professional project management
- > Assigned project manager

Advanced Process Solutions



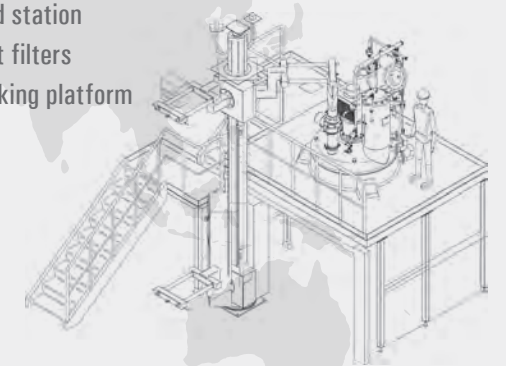
- Solvent recovery unit
- Vacuum system
  - Buffer tank
  - Tube bundle heat exchanger



- Heating / cooling units
- Precise temperature control
  - Hot water, steam, thermal oil



- Auxiliary equipment
- Load station
  - Dust filters
  - Working platform



**EKATO**

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EKATO SYSTEMS with its SOLIDMIX product line supplies state-of-the-art mixers and vacuum contact dryers for the chemical and pharmaceutical industry.

The process engineering tasks include not only mixing but also heating, cooling and drying. Combined processes with classic stirring tasks and solid processing are also possible with the EKATO SYSTEMS machinery. As a world-leading manufacturer of agitators and mixers in the solids technology EKATO SYSTEMS offers complete solutions for the entire life cycle of machines: The services range from pilot trials to engineering to start-up and maintenance. Whether a single unit or complete turn-key installations - the EKATO SYSTEMS products are being constantly developed further and adapted to modern requirements.

**Applications**

- > **Chemical industry**  
Drying of fine chemicals / polymerisation of plastics / mixing and coating of powders for catalyst production
- > **Pharmaceutical industry**  
Drying of solvent moist APIs / drying of pharmaceutical intermediates / extraction of agents
- > **Food industry**  
Sterilization of e.g. cocoa beans / drying of spices / decaffeination

**EKATO SOLIDMIX Series**

**Products**

- > **EKATO SOLIDMIX VPT Vertical Process Dryer (from 50 l to 5.000 l)**  
Drying of products with problematic flow properties and a pronounced transition phase
- > **EKATO SOLIDMIX VST Vertical Dryer for Solids (from 100 l to 32.000 l)**  
Drying of free-flowing products



SOLIDMIX VPT

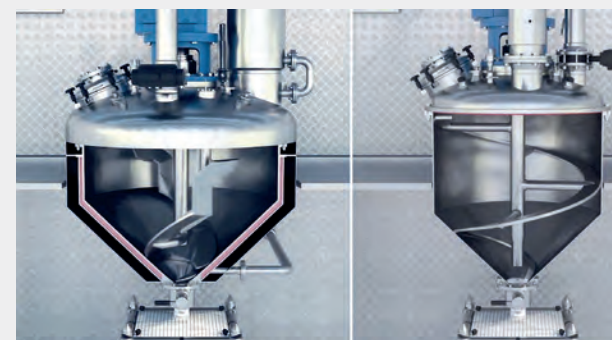


SOLIDMIX VST

EKATO SOLIDMIX mixers and vacuum contact dryers are characterized by high productivity and flexibility and enable economical and safe production of products:

- Ideal 3-dimensional mixing through the EKATO ISOPAS or solid-PARAVISC agitator. Also supported by baffles.
- With EKATO agitators, the process can be safely achieved with up to 40% lower stirring power.
- Optimized vessel geometry with matching mixing technology reduces the process time.
- The vertical design supports the discharge with minimal residual quantities.
- The proven EKATO agitator mechanism - operational safety guaranteed.

**Agitation systems:**



EKATO ISOPAS

EKATO solid-PARAVISC



EKATO solid-PARAVISC