

EKATO SYSTEMS PORTRAIT

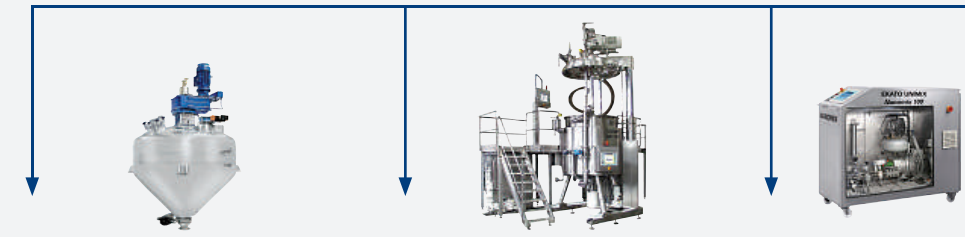
EKATO SYSTEMS is the specialist when processing liquids and solids and provides a high degree of competence in system technology with three in-house brands, SOLIDMIX, UNIMIX and NANOMIX. Teams of experienced specialists apply their know-how and consulting skills to provide innovative solutions for even the most demanding process-oriented tasks.

A multitude of options such as modern R & D-equipment for pilot plant testing are available to facilitate successful process development. This highly efficient scope is completed by rental units and qualified engineers for process optimization and consultation on site, erection, start-up and after sales support by the service network of the EKATO Group.

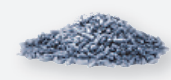
EKATO SYSTEMS



Advanced Process Solutions



	SOLIDMIX	UNIMIX	NANOMIX
Type	Modules	Complete units	High-pressure homogenization systems
Process	Blending Drying Reactions	Homogenizing Dispersing Blending	Finely dispersed emulsions and suspensions
Product	Solids Liquids	Creams, gels, ointments, suppositories, foundations, mascara	Liposomes Injectables Melt-dispersions
Industry	Specialty chemicals Pharmaceuticals Food	Cosmetics Pharmaceuticals Chemicals	Cosmetics Pharmaceuticals Chemicals



PROCESS DEVELOPMENT

- Lab & Pilot trials
- Rental units
- Sample batches
- Process consulting
- Optimization on site
- Upgrades
- Automation
- Scale-up guarantee

SERVICES

- Maintenance
- Repairs
- Modifications
- 24 h-Service-Call worldwide
- Quality conform order processing
- Software acc. to 21 CFR Part 11
- Certified acc. to DIN ISO 9001:2000





Our range of products and services

EKATO SYSTEMS offers a wide range of innovative features, tried and tested proprietary developments and services for your benefit. A qualified and creative team is available to tackle a multitude of tasks.



The specialists in system technology

EKATO SYSTEMS PORTRAIT

EKATO SYSTEMS

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STERILJET

- Homogenization without additional recirculation pump, high rate of yield
- Works with minimum filling levels



PARAVISC

- Perfect circulation of highly viscous products
- Short heating and cooling times



ISOPAS

- Impeller to control most difficult transitional phases



NANOMIX-high pressure nozzle

- Two-stage nozzle system to stabilize finely dispersed emulsions



CFD and FEM Analysis

- Higher safety ensured by prediction of dynamic stress loads, temperature distribution and flow patterns



Analysis of particle size

- Analysis possible in nano scale using modern measurement techniques (laser diffraction)



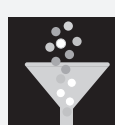
Rental units

- Production of sample batches and process optimization with qualified engineers on site



CIP

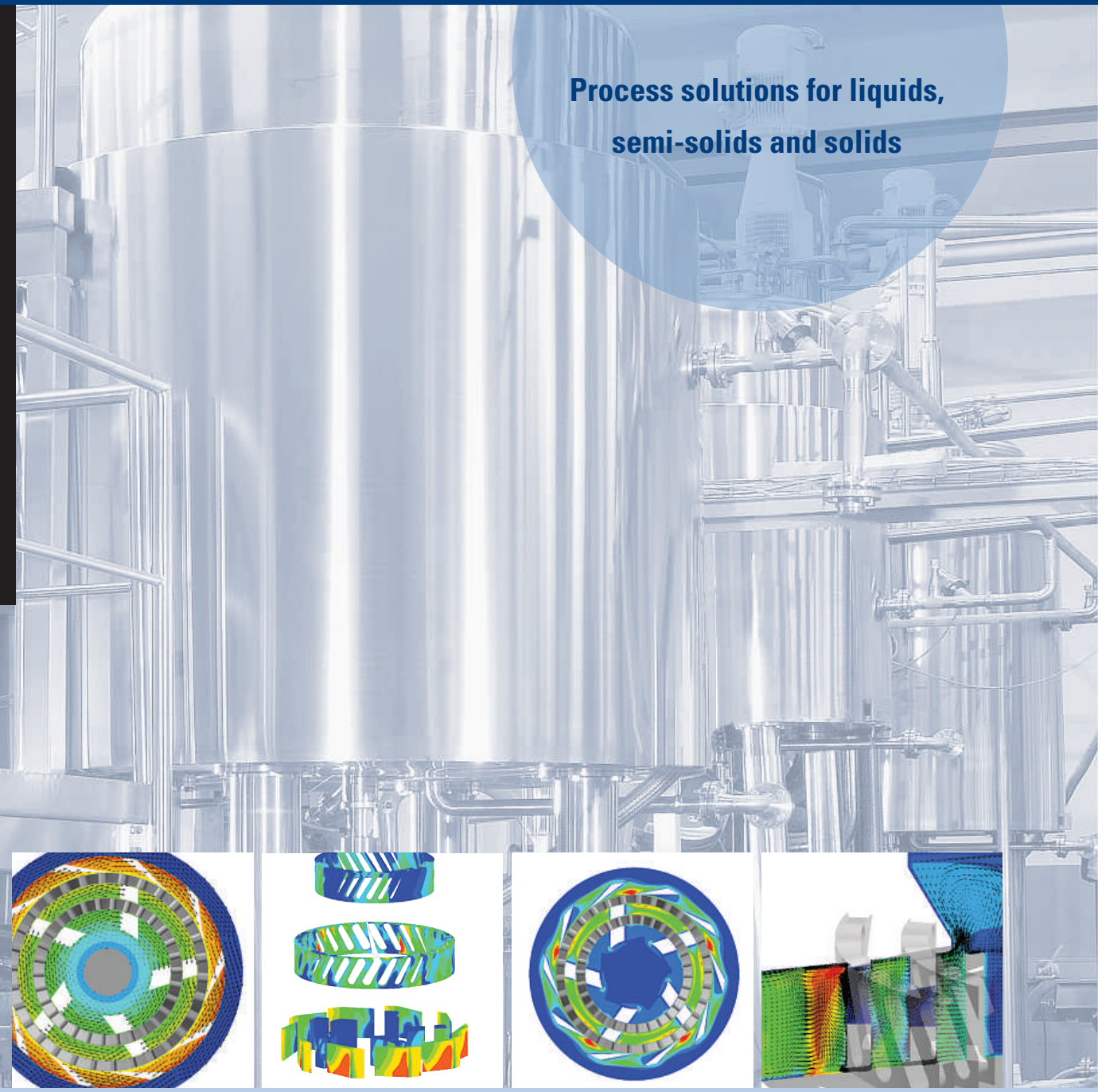
- Highly efficient cleaning systems
- Supported by defined cleaning procedures



Drawing in of solids

- Particularly efficient procedure for quick drawing in of solids

Advanced Process Solutions



Process solutions for liquids, semi-solids and solids



EKATO SOLIDMIX VPT 50 for drying and mixing active pharmaceutical ingredients (API).

Vacuum processing units from EKATO UNIMIX are especially suitable for fulfilling high quality requirements in pharmaceutical and cosmetic production.

The EKATO UNIMIX SRC 1000 features the following in the production of creams:

- PARAVISC impeller
- Homogenizer STERILJET
- Pre-phase vessels
- Automation using recipe management system

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