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Verfahrenstechnik

HOMOGENISING MIXER

SYMEX CML50



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For efficient development and flexible small-batch production.

Ideal for the production of emulsions, gels, suspensions, creams, lotions, toothpastes and pastes.

Technical Data – CML 50

- Usable volume: 50 liters
- Permissible vessel pressure: up to 2 bar
- Permissible product temperature: up to approx. 131 °C
- Installed power: approx. 45 kW
- Design suitable for pharmaceutical and cosmetic applications

Features – CML 50

- Speed range: approx. 13 – 111 rpm
- Efficient mixing of high-viscosity products
- Prevents product build-up on vessel walls

Co-Twister homogenizer (SYMEX technology)

- Independent control of shear and pumping performance
- Combined homogenizing and pumping function
- Rotor speed: approx. 300 – 9,360 rpm
- Ideal for sensitive and complex formulations

Additional Features

- Recirculation line for external homogenization
- Hydraulically liftable lid
- Heating, cooling and vacuum operation
- CIP cleaning system
- Modern control system with touchscreen
- Overhauled condition / new seals
- Pharmaceutical design (also suitable for cosmetic applications)

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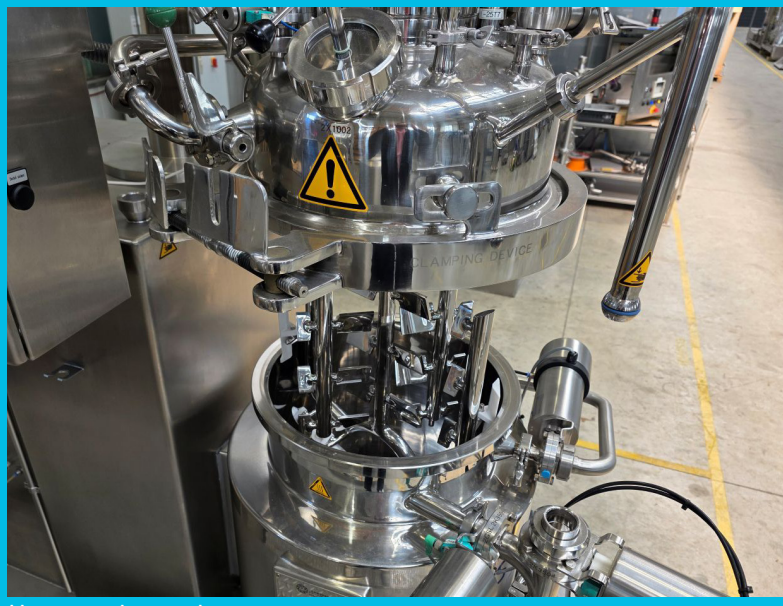
Advantages

- Maximum process control through Co-Twister technology
- Gentle processing of sensitive products
- Reproducible and consistent product quality
- High flexibility for development and small-scale production
- Hygienic design and easy cleaning (CIP)
- Ideal for pharmaceutical, cosmetic and high-end applications

Utility Requirements

- Cooling water: approx. 1 m^3/h at 3 bar
- Cooling water (vacuum pump): approx. 0.2 m^3/h at ≥ 2 bar
- Compressed air: approx. 200 L/min at 8 bar
- Power supply: 3 × 400 V / 50 Hz, approx. 45 kVA
- Steam: 6–8 bar, approx. 45 kg/h

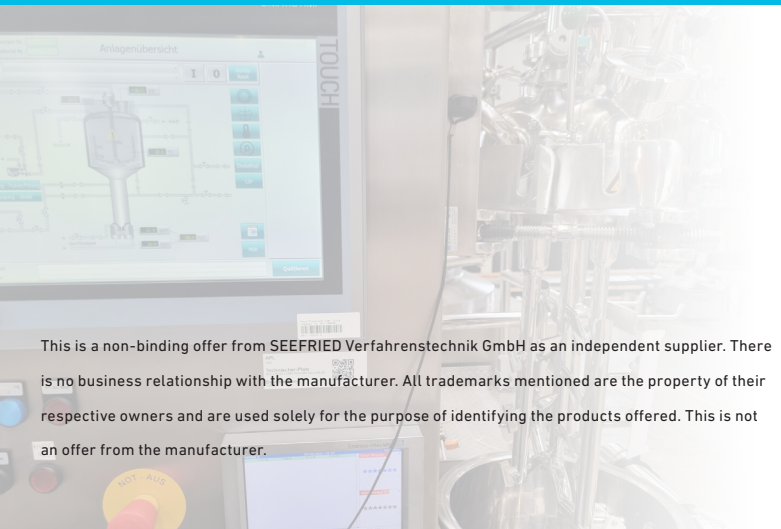
Availability
Fully refurbished
Inspection possible by appointment
Turnkey support including installation and commissioning



Homogenizer agitator



Homogenizer + short loop



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