

MIXING SOLUTIONS  
FOR COSMETIC AND  
PHARMACEUTICAL  
INDUSTRIES

# TRIMIX Evolution

## Vacuum mixer homogenizer



150 L to 20 T



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## Vacuum mixer homogenizer

**TRIMIX facilitates making liquid, viscous or thick mixtures to get emulsions, homogenisations and/or thermal treatments (cooling or heating) without transfer of the product in an intermediary vessel.**

- Laboratory working capacities: 5, 10, 30 or 50 liters
- Lifting design: 200 litres to 10 tonnes
- Fixed design: up to 20 tonnes

### ⇒ 3 co-axial movements to optimize mixing

- Last generation emulsifier-homogenizer bottom of the vessel to insure a perfect dispersion of powders and a finer emulsion from rotor/stator
- Slow peripheral movement, capable of working in both directions, for scraping of periphery and bottom of the vessel
- Main agitation with axial flux

### ⇒ Structure that could adapt to the environment of white room and/or production platform

- ⇒ Total lifting of tools
- ⇒ Automation with touch screen
- ⇒ Last generation rotor/stator with introduction of liquid/solid products at the centre of the emulsifier
- ⇒ CIP / SIP

### ⊕ General characteristics

- Double jacketed stainless steel vessel (316 L)
- Vacuum: 40 mbar
- Pressure: 0,5 bar
- Temperature: 100°C standard
- Closing of cover by automatic locking crown and inflatable gasket (in adjustable design)
- Tightening seals for coaxial movements with ceramic rings specially designed for vacuum and pressure
- All used valves are for sanitary use
- Hot/cold adjustment
- Vacuum adjustment
- Touch control panel

### ⊕ Safety

- Prohibition of unlocking and lifting if the bowl is under vacuum or under pressure
- Prohibition of actuating movements if the cover is not in lowered position and locked
- Vessel's cover dropping protection

### ⊕ Conformity

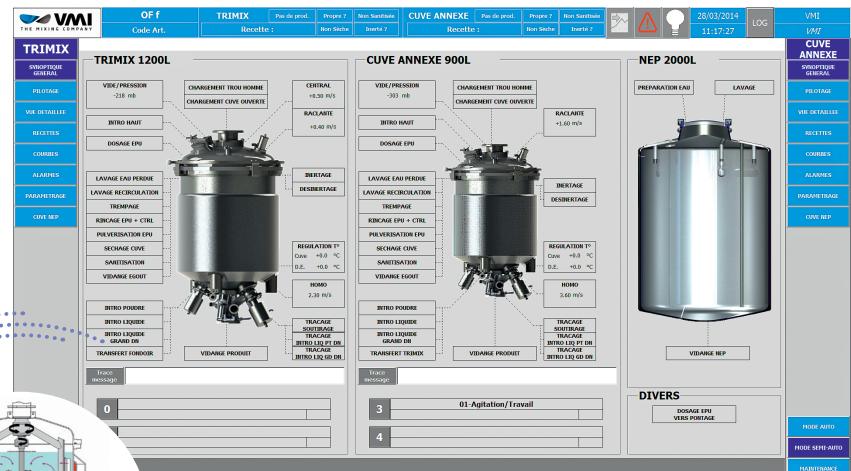
- As per directive 2006/42/CE
- As per UL, cUL, CSA standards

### ROTOR STATOR

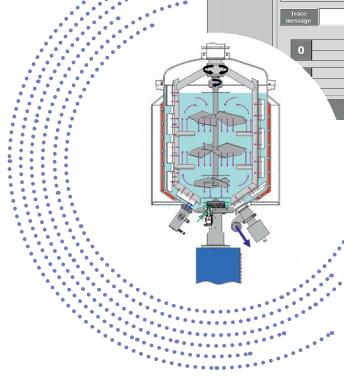
Presenting different types of slots and several geometries of rotors, rotor-stator range caters to all constraints of emulsion and/or dispersion: combination of forms of rotor and stator suitable for complex rheological products, including shearing/ displacement as per the intended effect.

### ⊕ Options

- Finishing: Ra 0.4 µm with or without electro-polishing
- Vacuum generator
- Tracking system integrated with control screen
- Vacuum feed valve of powders and/or liquids in emulsifier
- Vacuum feed valve of liquids
- Telemaintenance by Modem
- Electrical heating system
- Cleaning system in place (level 1, 2 or 3) for capacities > 30L
- Sterilization system in place
- Pressure > 0,5 bar
- Access platform with or without other vessel
- Secured by-pass panel



Intuitive and Ergonomic Control touch screen



Optimal homogenization by internal circulation loops with 3 coaxial movements