

# TRILAB

## Laboratory vacuum mixer homogeniser

### 3 independent mixing co-axial movements

- Bi-directional slow speed peripheral anchor movement drive
- Main Central Axial Agitator
- Vessel bottom homogeniser/emulsifier

### Advantages

- Mobile lab design unit
- TRILAB targets the production of liquids, viscous or even thick mixing process to obtain emulsions, homogenization and/ or thermal treatment (cooling or heating)
- TRILAB is fitted with a sophisticated control system which allows the operator to manage each process step and get full cycle reproduction every time
- TRILAB enables to maintain ratios and dimensions compatible with direct and simple scale up to larger VMI vessels.



VMI\_Optimum Interface



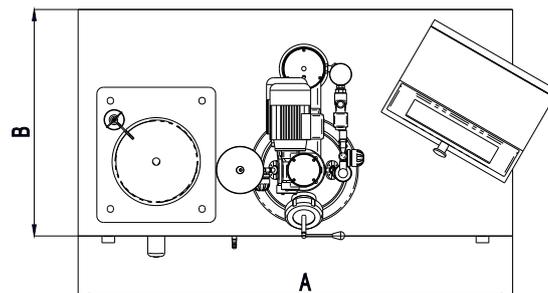
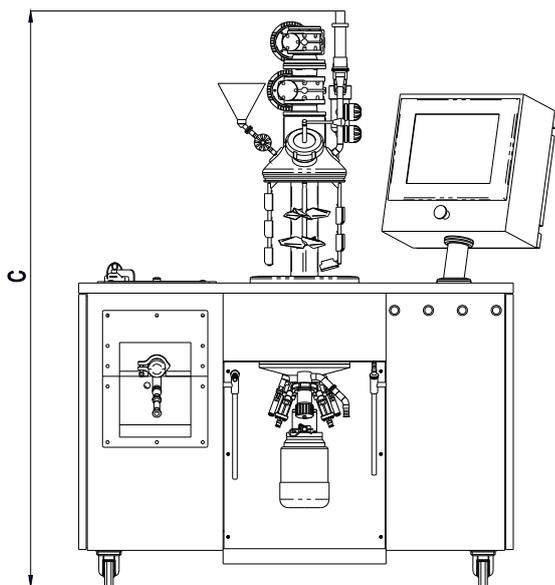
High shear rotor/stator

Working capacities:  
5, 10, 30 or 50 liters



## Main features

- Stainless steel (316 L) double jacket vessel
- Vacuum : -0.96 bar relative,  
Pressure : 0,5 bar relative,  
Temperature : 100°C standard.
- Stainless steel liftable lid
- Powder trap mounted on the lid
- Color control panel touchscreen
- Power and control systems integrated into the TRILAB
- Vacuum pump unit integrated into the TRILAB
- Water heating system integrated into the TRILAB



DIMENSIONS (mm)	5 L	10 L	30 L	50 L
A	670	670	810	850
B	1280	1280	1400	1450
C	1705	1705	2010	2290
Poids (kg)	350	350	600	650

## Safety

- No opening of the tank when under pressure

## CE Conformity

## Applications

- Skin care, cosmetics, body milks, lotions, shampoos, tooth paste, etc.

## Services

- Process air: 0.5 bar to unload the product
- Voltage: 400V-50Hz - 3 phases + earth + neutral
- Instrument air: 6 bar

## Options

- Melter Integrated into the TRILAB
- Control Panel system with integrated traceability
- Vacuum powder induction valve into the emulsifier
- Liquid injection valve
- Remote maintenance via Modem
- Integrated electric heating system (rather than water heating system)
- Three-phase voltage: 440V - 60 Hz or 208V - 60 Hz
- PH meter / conductivity meter
- ATEX
- Upgrading pressure: 2 bars
- Upgrading temperature: 130°C

