



**FIRST CLASS**

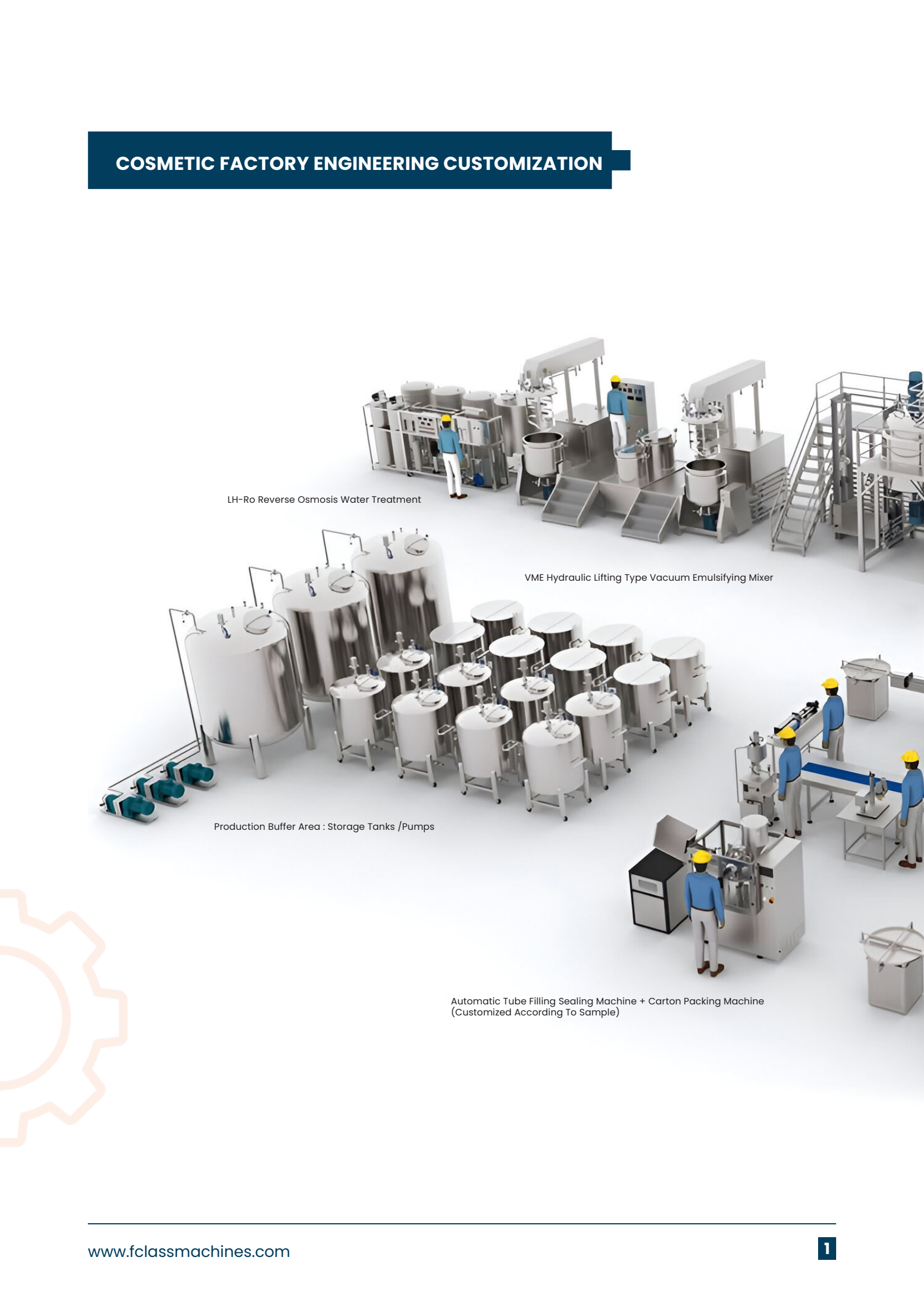
Packing and Packaging Equipments Trading L L C

Mixers

# Catalogue

Your Guide to High-Performance Mixing  
Equipment!

# COSMETIC FACTORY ENGINEERING CUSTOMIZATION



LH-Ro Reverse Osmosis Water Treatment

VME Hydraulic Lifting Type Vacuum Emulsifying Mixer

Production Buffer Area : Storage Tanks /Pumps

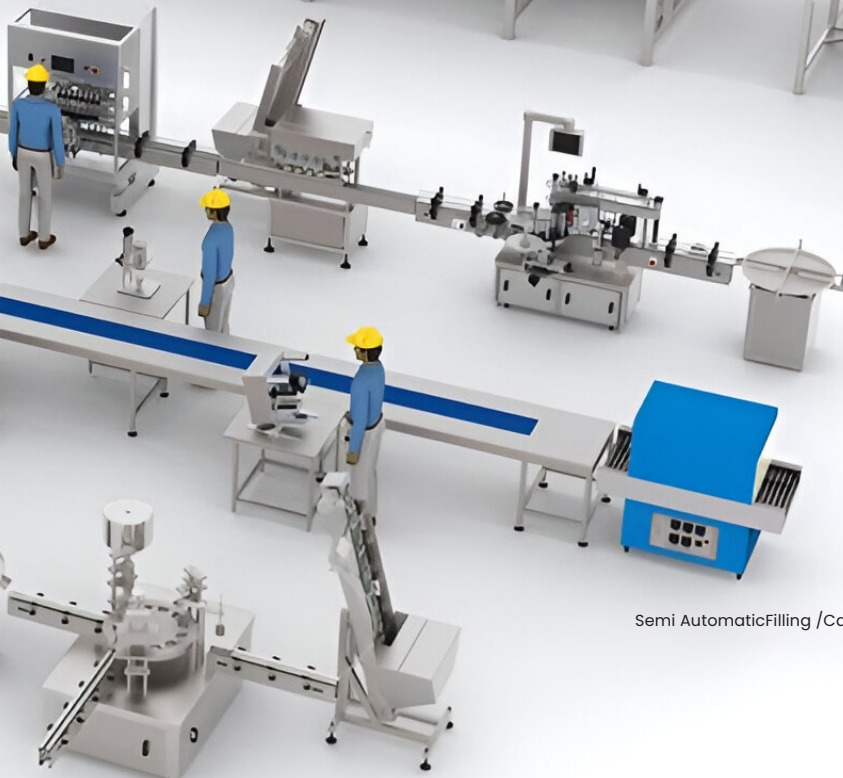
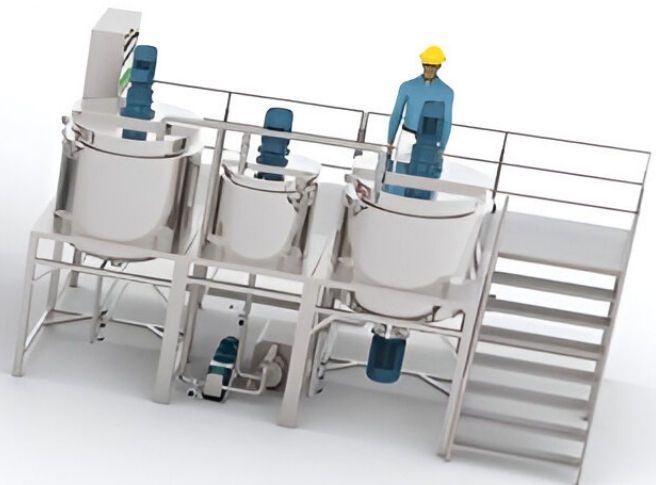
Automatic Tube Filling Sealing Machine + Carton Packing Machine  
(Customized According To Sample)



VME Fix Type Vacuum Emulsifying Mixer Group Design(Customized)



PMC Series Liquid Washing Products Mixer(Customized)



Automatic Filling /Capping /Labeling /Packing Machines (Customized)

Semi Automatic Filling /Capping /Labeling /Packing Machines

Automatic Jar Filling & Capping Machine (Customized According To Sample)

## ENGINEERING CUSTOMIZATION PROCESS

**01**

Customer communication (Site visit)

**02**

Customized design

**03**

Technical confirmation

**04**

Sign contract

**05**

Production manufacturing

**06**

FAT (Factory acceptance test)

**07**

Wooden packing

**08**

Loading & shipping

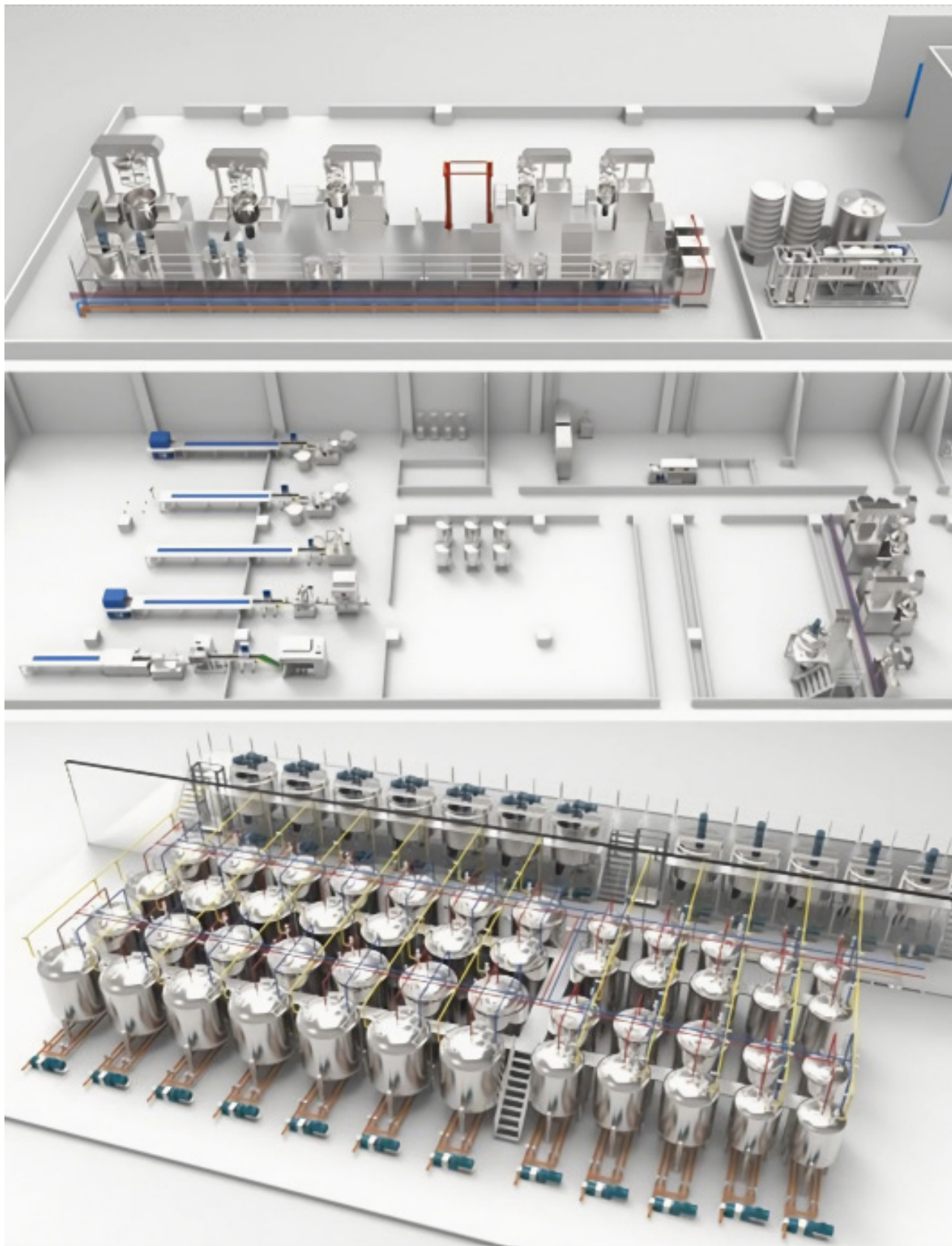
**09**

Installation & debugging

**10**

Record keeping

## PROJECT CUSTOMIZED CASE





## FIRST CLASS INTRODUCTION

At First Class Filling and Packaging Equipment Trading LLC, we are committed to staying at the forefront of the filling and packaging industry in the Middle East and GCC. Our dedicated team works tirelessly to ensure that our customers receive the highest quality filling and packaging machinery, as well as top-notch packaging materials.

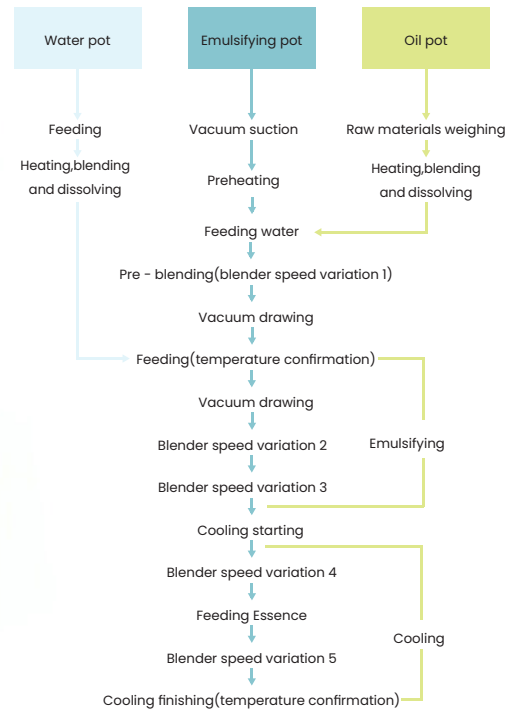
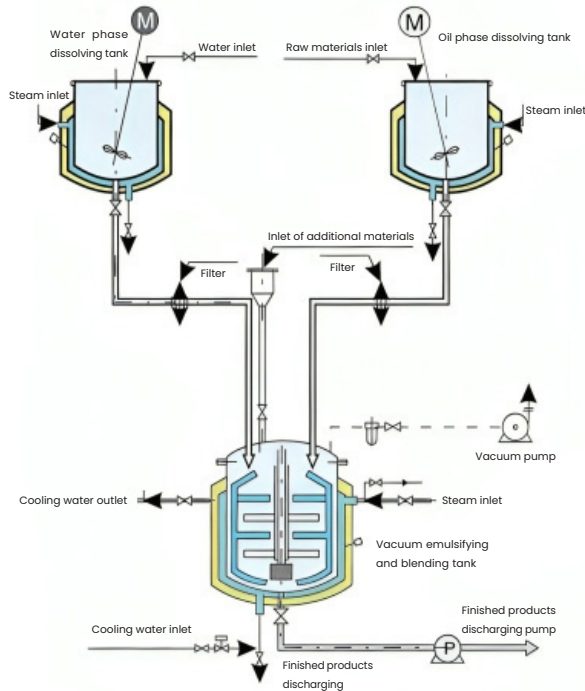
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## VACUUM EMULSIFYING MIXER INTRODUCTION

### Flow Chart Of Vacuum Emulsifying Mixer:



### DEFINITION OF VACUUM EMULSIFIER

It means that when the materials are under the vacuum condition, it makes use of the high shear emulsifier to distribute one or several phases to another continuous phase rapidly and evenly. The materials will be processed by the narrow space between stator and rotor by strong energy of motion produced by the mechanical effect. By the operation of hydraulic shearing, centrifugal turbulence, impacting, breaking and turbulence for over ten thousand times per minute, the materials will be dispersed and emulsified instantly and evenly. After reciprocating circulation at high frequency, fine and exquisite products of stable and high quality without bubbles will be achieved.

### MAIN COMPOSITION

The vacuum emulsifying mixer is mainly composed of water pot, oil pot, emulsifying pot, vacuum system, lifting system (optional), electric control system (PLC is optional), operation platform, etc.





# VME-A VACUUM EMULSIFYING MIXER (BOTTOM HOMOGENIZER)



High Shear Homogenizer

VME-A Vacuum Emulsifying Mixer (Customized Size)

## VME-B VACUUM EMULSIFYING MIXER (BOTTOM HOMOGENIZER)



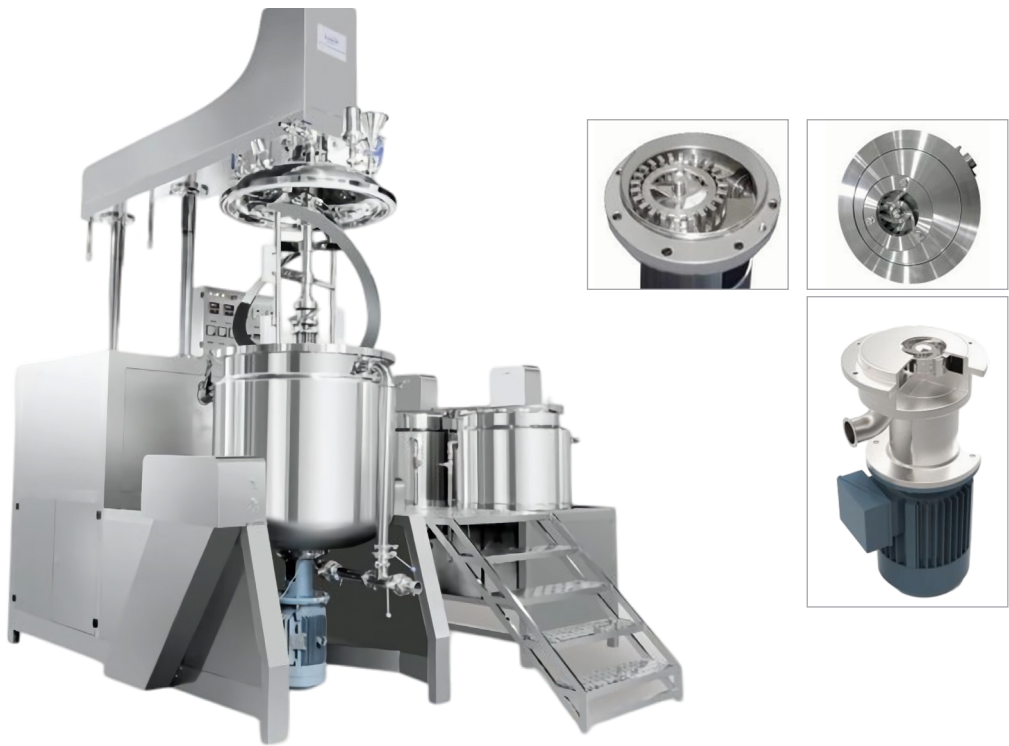
VME-B Vacuum Emulsifying Mixer (Customized Size)

- ◇ More types: plane layout can be customized by personal requirement according to the factories of customers, can supply the single cylinder/double cylinder lifting/vertical, and can supply the small type of emulsifying machine for the labs.
- ◇ More functions: support the manual operation, PLC human-computer interface operation, the highest vacuum degree can be reached to 0.095-MPA.
- ◇ More supporting: Can be selected the CIP/SIP system and error prevention system, which can completely make sure the security of the products.
- ◇ More options: The homogeneity can be divided into upper and under homogeneity and external circulation structure, the stir can be divided into one-way and two-way screwing stir.
- ◇ More requirements: configuration requirements can be divided into the standard configuration and imported configuration, such as the frequency converter, motor, electric appliance and so on.



VME-B Lab Size Vacuum Emulsifying Mixer (Customized)

# VME-C VACUUM EMULSIFYING MIXER (UP & BOTTOM SIDE HOMOGENIZER)



VME-C Vacuum Emulsifying Mixer (External Circulation Homogenizer)



①



②



③

VME-C Vacuum Emulsifying Mixer

# FIXED TYPE VACUUM EMULSIFYING MIXER (CUSTOMIZED)



VME-F Fixed Type Bottom Homogenizer With Internal and External Circulation.

VME-F Vacuum Emulsifying Mixer



Single way mixing  
internal external  
circulation

Double way mixing  
internal external  
circulation

Single way  
mixing internal  
circulation

Double way  
mixing internal  
circulation

Double way  
mixing & internal  
homogenizer

Double way  
mixing & external  
homogenizer

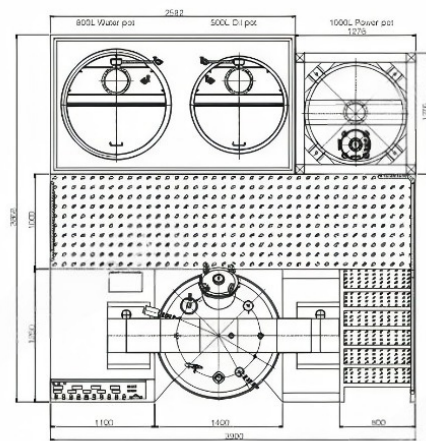
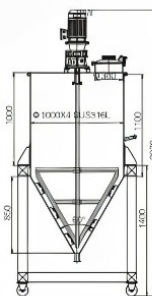
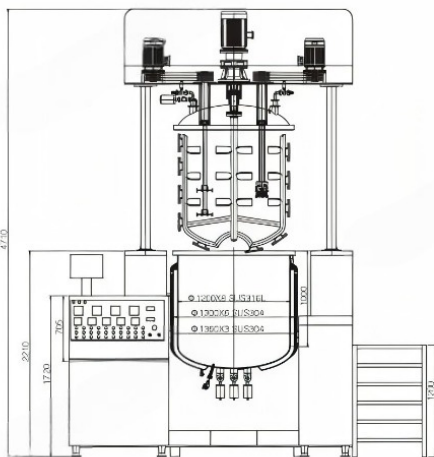


# VME-H TOOTHPASTE MAKING MACHINE



## FEATURES

- ◇ Internal vacuum homogenizing without external loop.
- ◇ Dispersion+dispersion or homogenizer+dispersion with anchor scraper.
- ◇ Stainless steel product contact parts with mirror finish.



## PMC LIQUID WASHING HOMOGENIZING MIXER (SINGLE-TANK)



PMC Liquid Washing Homogenizing Mixer (single-tank)

### TECHNICAL PARAMETER

Model	Effective Capacity	Stirring Power and Speed		Homogeneous Power & Speed		Heating Mode	
		KW	r/min	KW	r/min	Electric heating	Steam heating
PMC-50	50	0.75	0-65	3	3500	6KW	Steam heating energy conservation and environmental protection, selected according to need.
PMC-100	100	1.5	0-65	1.5	3300	12KW	
PMC-150	150	1.5	0-65	1.5	3300	12KW	
PMC-200	200	1.5	0-65	3	3000	18KW	
PMC-300	300	1.5	0-65	3	3000	18KW	
PMC-500	500	2.2	0-65	4	3000	27KW	
PMC-1000	1000	4	0-65	7.5	3000	36KW	
PMC-1500	1500	4	0-65	11	3000	45KW	
PMC-2000	2000	5.5	0-65	11	2500		
PMC-3000	3000	7.5	0-55	15	1500		
PMC-5000	5000	11	0-55	22	1500		Recommended sandwich steam heating.

(The parameters are for reference only, the product depend on actual items.)

# LIQUID WASHING HOMOGENIZING MIXER (GROUP DESIGN)



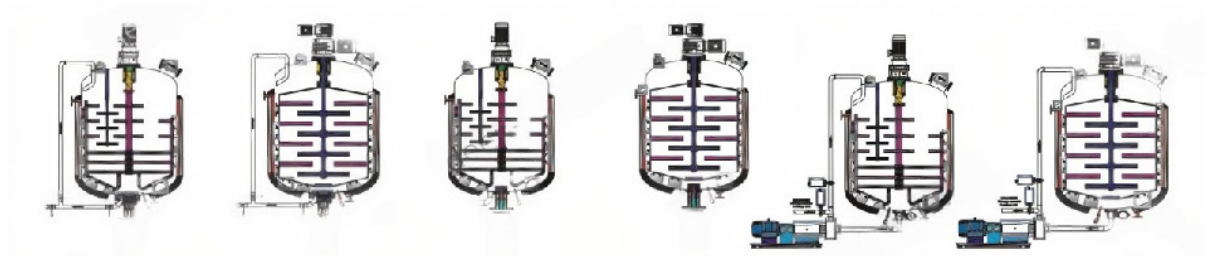
Customized Mixer Series



Customized Mixer Series



Polypropylene  
Anti-corrosive Mixer



Single way mixing  
internal external  
circulation

Double way mixing  
internal external  
circulation

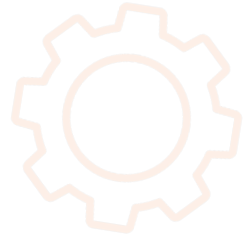
Single way  
mixing internal  
circulation

Double way  
mixing internal  
circulation

Double way  
mixing & internal  
homogenizer

Double way  
mixing & external  
homogenizer

# MOVABLE HIGH SHEAR DISPERSING EMULSIFIER



Electric Lifting Type Homogenizer

Movable Hanging Homogenizer





## WATER TREATMENT SERIES



Two Stage RO System + EDI System (Super Pure Water)



Single Stage Reverse Osmosis Water Treatment (SUS Type)



Single Stage Reverse Osmosis Water Treatment (FRP Type)



Double Stage Reverse Osmosis Water Treatment



Single Stage Reverse Osmosis Water Treatment

## STORAGE TANK SERIES



Movable Open Storage Tank



Movable Open Storage Tank



Movable Sealed Storage Tank

## PUMP SERIES



Rotary Lobe Pump



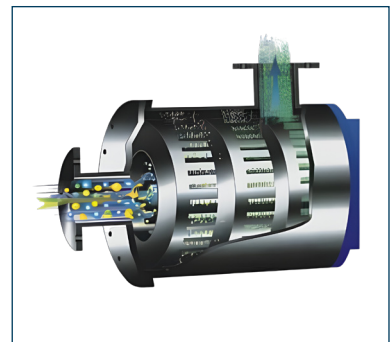
Pneumatic Diaphragm Pump



Removable Emulsifying Pump



Efficient Batching Machine



3 Stage Emulsifying Schematic Diagram

## MAKE\_UP EQUIPMENT



Make-up Powder Mixer



Lipstick Filling Machine



Make-up Filling Machine



Freezing Tunnel  
(Apply To Lipstick, Wax, Vaseline)

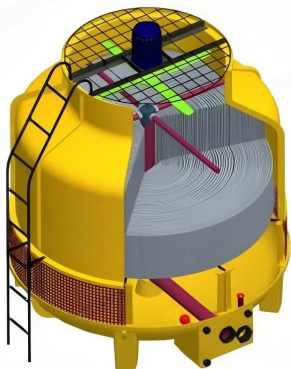


Three-roller Grinding Mill



Powder Compacting Machine

## CIRCULATING WATER COOLING SYSTEM



Cooling Water Tower

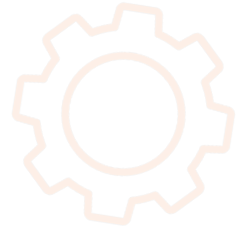


Screw Type Freezing Unit



Water Cooling Screw Box  
Type Integral Unit

## AUXILIARY EQUIPMENT



Bottle Washing Machine



Air Cleaning Machine

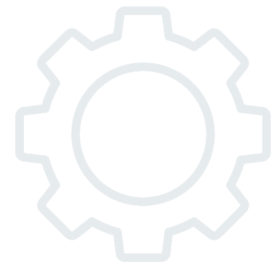
## HOT AIR CIRCULATION OVEN

The series of products completely adopt axial fan equipped with an automatic constant temperature control system, which is provided with a computer control system for option. The working principle is to make use of the steam or electric heat source, through heating the air by heat exchanger and adopting the axial fan as the driving power, the moisture content of hot materials is reduced so as to reach the purpose of drying.



## SANITARY GRADE CONVEYOR





# AUXILIARY EQUIPMENT



Lab-use Homogenizer



Lab-use Mixer



Lab-use Homogenizer



Steam Generator (electric Type)



Solid Colloid Mill



Solid Colloid Mill



V Type Mixer



Trough Type Mixer



Inkjet Printer

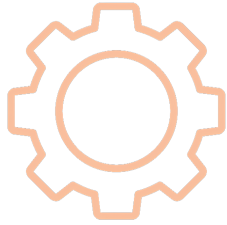




**PROJECT EXAMPLE**







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