



PROPACK
TECHNOLOGIES PVT. LTD.

An ISO 9001 : 2008 Certified Company

"Avant - Garde Processing Systems"



PROCESSING TECHNOCRATS :

PROPACK Technologies Pvt Ltd. was established in 2000 by Graduate Mechanical Engineers - *Mr. Chintan Shah & Mr. Rajesh Panchal*, along with a group of Mechanical, Chemical & Process Engineers having experience in industrial research, design, development and fabrication. Propack Technologies Pvt. Ltd is an ISO 9001:2008 Certified company.

PRODUCT RANGE :

- Ointment / Cream Processing Plant.
- Liquid / Syrup Processing Plant.
- Sterile Blending Vessels.
- Hard and Soft Gelatin Processing Plant.
- CIP / SIP Modules.
- Ancillary processing plants for cheese, chocolates, mayonnaise, ketchup, ice cream and other products.

Propack's Equipment comply with USFDA, UKMCA & cGMP Norms. Propack can fabricate process equipments under International Code like ASME Section VIII Div. 1, ASME-BPE. Propack works continuously to develop innovative and high quality product and has earned a reputation for technical excellence in processing industry.

QUALITY POLICY :

We are committed to total customer satisfaction by meeting their requirements with consistent quality products and services; on time, every time at a competitive price.





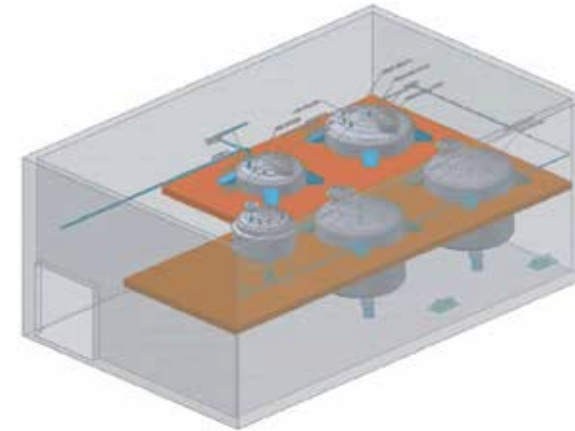
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QUALITY ASSURANCE :

Detailed Engineering

Complete 3D software for conceptualising and giving accurate analysis of utility piping, product piping, and complete analysis for the placement of all projects.



Documentation

Propack's work culture is based on Documentation at each & every stage for maintaining High Quality Standards and Traceability.

We Provide :

- Design Qualification
- Installation Qualification
- Operation Qualification
- Performance Qualification

- Test Certificates of Material
- FAT Certificate, PMI Test at various levels, Calibration Certificate, Electrical Wiring Diagram, etc.
- Working / Safety & Maintenance Manual



Product Certification

Following Documents / Certificates are provided

- Material Test Certificates
- Food Grade Certificates for all elastomers
- Orbital Welding Parameters
- Organ Purity Certificate
- Welder Qualification Certificate
- Borescoping photographs
- Radiographic Test Documents
- Calibration Certificates for all instruments
- Technical catalogues and GA Drawings for components
- P&ID
- GA Drawing

Factory Acceptance Test

Following activities are part of Factory Acceptance Test.

1. Hydro Test for shell and jacket
2. PMI Test and Ultrasonic thickness testing
3. Temperature mapping
4. Surface Roughness Test
5. Full Load Test of Agitator

Propack can manufacture equipments in accordance with following certification.



OUR CLIENTS

Pharma



Cosmetic



We have a strong marketing and after-sales service network with more than 1000+ satisfied Clients in India & Abroad.

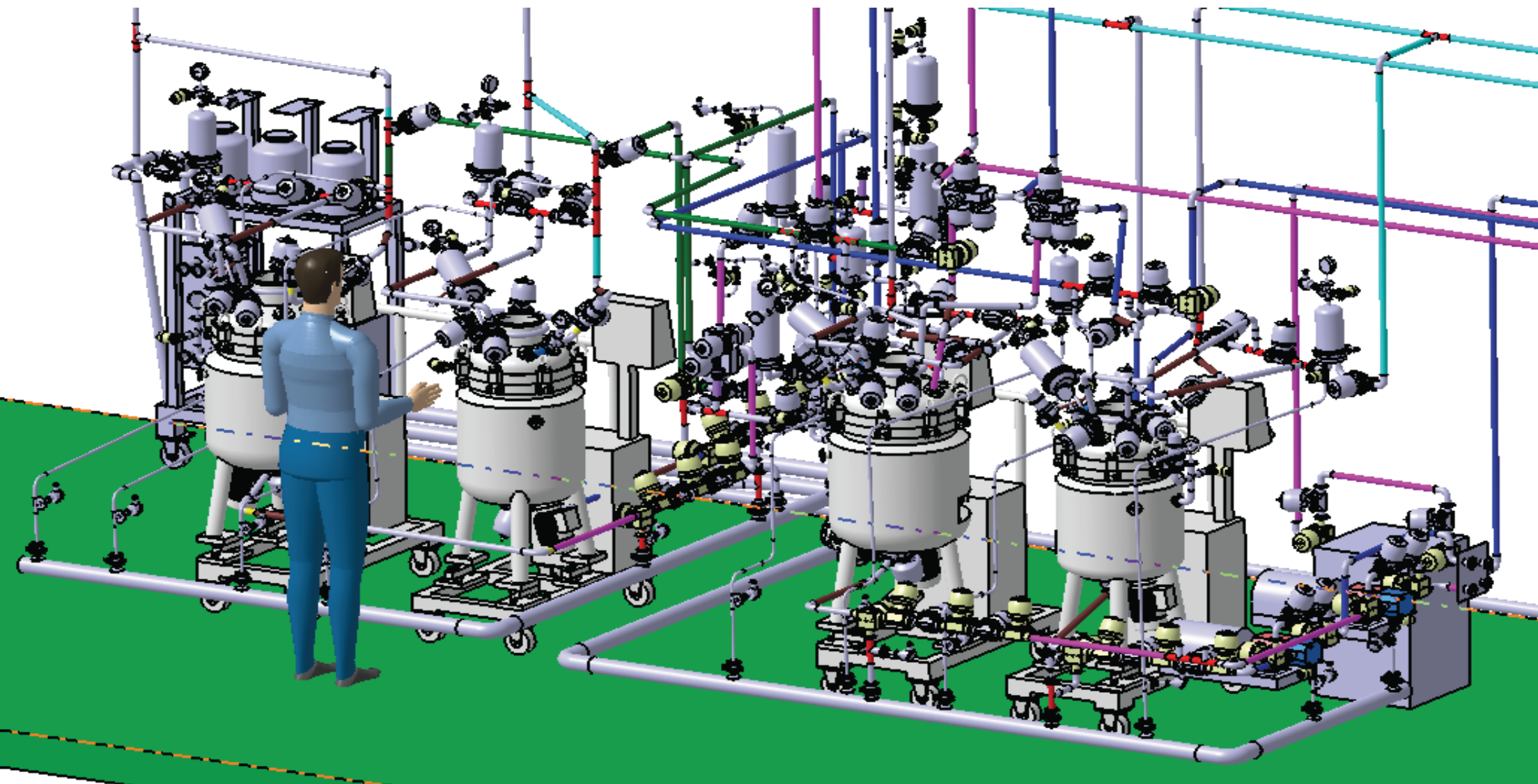
Sterile Blending Vessel





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UNIQUE FEATURES:

- Aseptic Design of bottom outlet valve with zero hold up
- Customised design incorporated for diverse applications
- Calibrated full view glass for Sterile Mixing Vessel
- CIP and SIP style design of vessel, fittings and piping
- Injection ports, injection needles available on the top of the lid

- Volume monitoring by load cells
- Process Automation
- Sterility compliant
- Magnetic drive, so no seals, no shaft, thereby eliminating contamination
- Mixing head designed for vigorous mixing or low volume blending

- Vaccines
- Injectables
- Human Insulin
- Serums
- Plasma Fractions
- Bacteria and cell cultures
- LVP





Sterile Flanges



Zero Dead Leg Valve with Sampling Port



Sampling Valve with CIP Port



Magnetic Mixer



Load Cell



Light & Sight Glass



Spray Ball CIP / SIP



Filter Housing



Pneumatic operated Sterile Diaphragm Valve



Conductivity Meter / PH Meter / DO Analyser



PLC based control panel as per PART11 CFR 21



Filtration System

BIO REACTOR





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BIO-REACTORS / FERMENTERS & BIO-PROCESS EQUIPMENTS

Propack' s Biotech Processing systems include Fermentors and Bio-Reactors in standard Model or Custom designed with Complete Integrated Package.

APPLICATIONS:

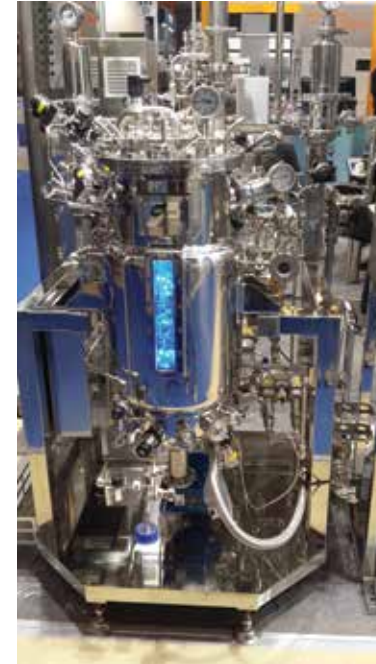
Vaccines, biotechnology application.

CAPACITY:

10 to 15,000 Ltrs

FEATURES:

- Bespoke systems designed to each customer's requirements.
- H/D 3:1, 2:1, 5:1
- Vessel design as per ASME BPE ,
- Vessel: SS 316L, Inside EP to <0.5 RA electro polished, Free of Dead legs,
- Auto Cleanable & sterilizable.
- Resterilizable Sample Valve
- Resterilizable Harvest/Drain Valve with quick connect fillings
- Software Development, SCADA,HMI Controls & Automation in compliance with 21 CFR Part 11
- CIP & SIP Units design and integration system
- Skid / Platform & Support design
- Compliance to all International cGMP criteria like 3A, BPE 2008, USFDA, EHEDG etc.
- ALL Documentation and Validation provided



MDI



METERED-DOSE INHALER PROCESSING SYSTEMS

APPLICATION:

Metered dose inhaler (MDIs), Nebulizers, sublingual's, skin sprays (coolants, anesthetics, etc.),

Dental spray & other similar pharmaceutical aerosols & HFA type products.

CAPACITY:

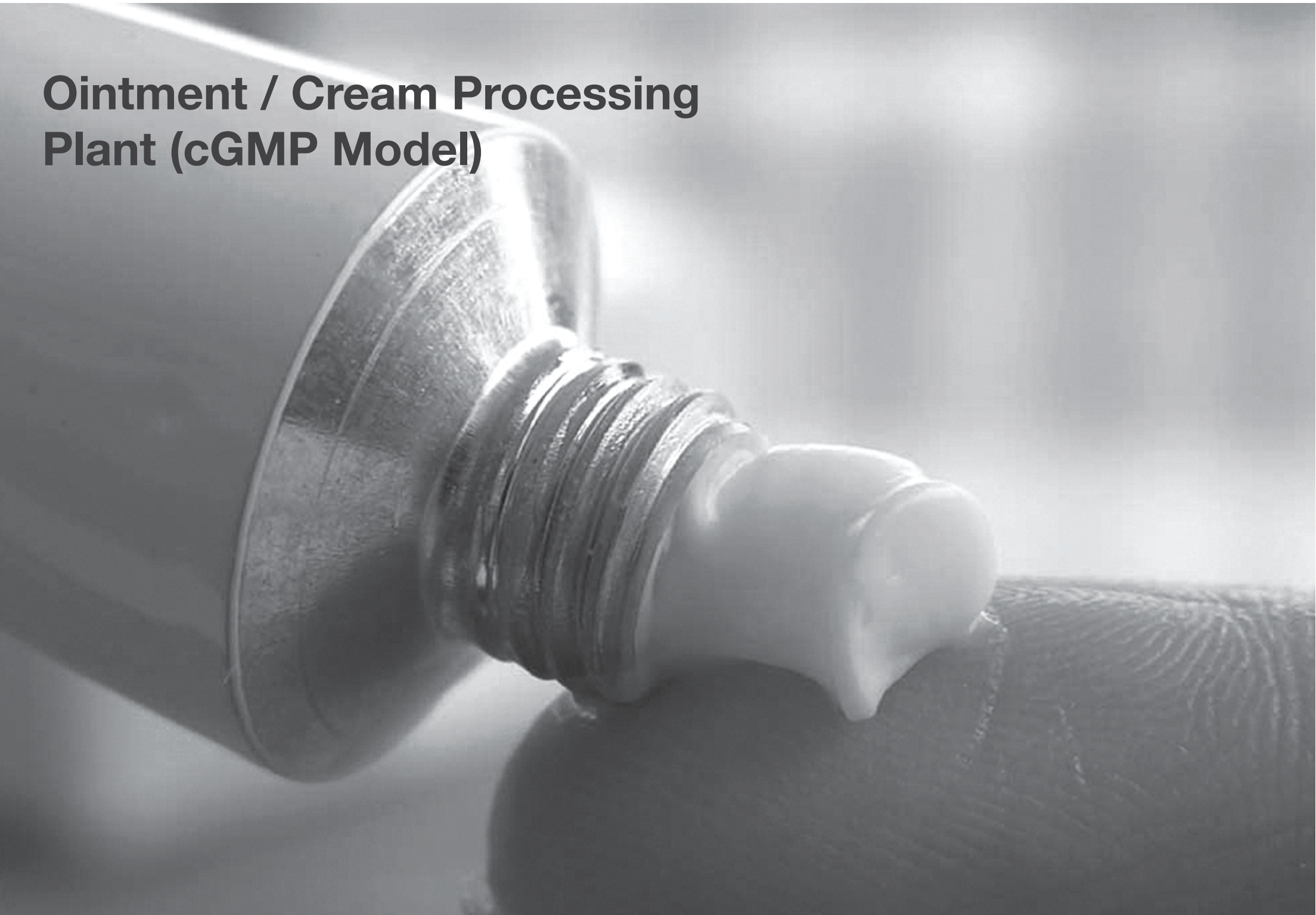
10Ltrs to 1000Ltrs

SALIENT FEATURES:

- Vessel design as per ASME SEC-VIII, DIV-I
- High Pressure vessel with Agitator.
- Mechanical seal (Garlock) for stirrer to withstand high pressure.
- Zero dead legs valve for outlet.
- Rapture disc for pressure safety.
- Minimum batch stirring agitator with high pressure.
- Vessel is CIP / SIP able.
- Automation in compliance with 21 CFR Part 11
- All Documentation and Validation provided



Ointment / Cream Processing Plant (cGMP Model)





Capacity 5 kg to 10,000 kg

APPLICATIONS:

ointment • Sterile Ointment • Cream • Gel • Lotion • Shampoo • Toothpaste • Other Semi Solid Emulsions



SALIENT FEATURES OF MULTI MIX PLANT:

- Complete Unthouch Process
- CIP / SIP able
- All wetted parts are of SS 316 / 316L Quality Material. All Pipelines are seamless & internally Electro-Polished
- Re-Circulation after Mixing (provided)
- Mixing and Dispersing quality adjustable
- Jacketed vessels for heating / cooling processes
- Compliance of cGAMP Guidelines
- Documentation : DQ / IQ / OQ / PQ (provided)
- The Multi-Mix in Pressure and Vacuum Tight Mixing Vessel.
- All Material Transfer Done Under Vacuum.
The main advantages of the same are:
 - » To avoid hand touch & contamination
 - » Saving precious batch processing time
 - » Lower maintenance cost, as no moving components used
- Load cell for accurate weighing
- PLC based control panel / SCADA for process automation
- FLP System can be provided



Pneumatic operated flush bottom valve & Butterfly valve



Complete hydraulic lid lifting arrangement with safety interlock.



Inline Conical Filters for phase filtration



Load cell provided for On-line Weighing & final make-up



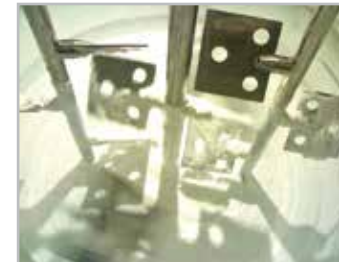
Thermosyphon system for lubrication & safety of seal



PLC based control panel as per PART11 CFR 21



Spray Ball CPI / SIP able



Semi Contra Agitator for high efficiency mixing



Contra Agitator with clockwise & anti-clockwise rotation of agitator



Provided with Teflon Scrappers, floating type, self adjustable for Complete scrapping of vessel



Provided with Addictive Hopper for adding Active Ingredients



Bottom Mounted Homogeniser provided with Rotar & Stator

Liquid / Syrup / Oral Processing Plant





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Capacity 10 litres to 30,000 litres

APPLICATIONS:

- Orals
- Liquids
- Suspensions
- Cough Syrups
- Drop Solutions
- Expectorants
- Antacid Suspensions



UNIQUE FEATURES:

- Sugar and Glucose Transfer System
- Sugar Syrup Preparation with efficient bottom entry agitation
- Clear and Suspended Liquid Manufacturing System with On-line or Built-in Homogenizer
- Efficient Filtration System for the clear / suspension syrups
- CIP & SIP System for cleaning & sanitization of the system
- PLC based Automation System as per 21 CFR Part 11 (Optional)
- System Qualification Documents like DQ, FAT, IQ & OQ Protocols
- “CE” marked Equipments are offered with Third Party Inspection & All Electrical Control with ERTL Approval & Test
- Food Grade Gaskets in compliance with FDA 21 CFR Part 177-2600



All wetted Parts of SS 316(cGMP Model) & pipelines are electro-polish from inside



Sugar Charging Done Under Vacuum. (Complete untouched Process).



Colloid Mill can be provided for micronising less than 5 Micron particle size



Bottom entry Angular CROWEL TYPR IMPELLER for Uniform mixing.



Zero Hold up Filter Press Single pass clear filtration



INLINE Homogeniser provided for Micronising, with recirculation.



Spray Ball CIP / SIP



PLC based control panel as per PART11 CFR 21



All transfers done under Vacuum Inline Filters to ensure filtration



Zero dead leg Flush bottom Diaphragm Valve



Load cell provided for On-line Weighing & FINAL make-up



Electronic Flow detection sensor provided for safety of seal.

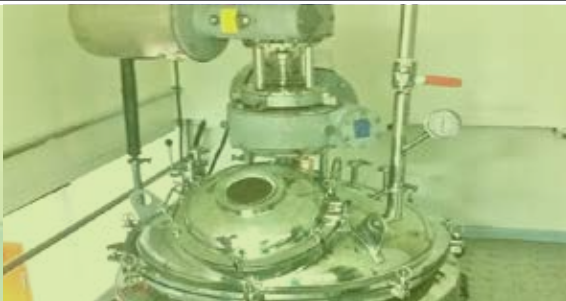
Soft Gelatin Plant





SALIENT FEATURES:

- PLC Programmed (optional) for dual speed agitation to reaction mass of Gel Cooker as per defined recipe.
- Hydraulic Lifting System for top cover of Gelatin Cooker.
- Medicament Mixing & Homogenizing Vessel.
- Multi-purpose Mixing & Deaeration Unit with SS Control Panel for carrying out following operation:
 - » Mixing of Medicament
 - » Colour Mixing in Gelatin mass
- Deaeration of Gel mass.
- Heat traced transfer pipe line for feeding Gelatin to Encapsulating Machine
- Vacuum Control System for Deaeration in Gelatin Cooker.
- Strict compliance to cGMP as per the International Standard norms.
- SS 316 L contact parts Mirror polished to less than 0.5 Micron RA & SS 304 Non-Contact parts Matt finished.
- 100% drainable, crevice and dead leg free internal surface.
- Specially constructed Gelatin Feed Tank with Electronic Heating System.



CIP / SIP System



Cleaning-In-Place (CIP) and Sterilization-In-Place (SIP) are systems designed for automatic cleaning and disinfecting without major disassembly and assembly work. We design, develop, manufacture, supply and install Mobile and Fixed CIP & SIP Units for sanitization and sterilization. The units are custom made, modular, skidded in automated or semi-automated Models as per the required time cycle for cleaning and sterilization as a part of cGMP requirements from portable to large fixed Multi-Tank system.

SALIENT FEATURES:

- Sanitary Design to meet all cGMP criteria.
- Contact parts : SS 316 L, Mirror polished & EP to < 0.5 Micron finish
- All Non- Contact parts : SS 304 Matt finish
- Orbital Tube welding
- Automation as per MCA & USFDA 21 CFR Part 11
- Built to custom requirement
- 100% Driability
- GMP documentation like DQ, FAT, IQ, OQ & PQ Protocols
- Site Installation & Commissioning
- Documented Output of cleaning & sterilization cycles



We can manufacture Automatic Processing Systems for

- Cheese • Chocolates • Ice creams • Mayonnaise • Ketchup
- and other similar products.





CUSTOMIZED PROCESSING PLANT :

Leveraging its strengths in Process equipment engineering for turnkey plants, high quality and critical fabrication. Propack offers Critical Process Equipment & Systems for a range of applications for manufacturing:

- * Cheese
- * Chocolate
- * Ice cream
- * Tomato ketchup
- * Mayonnaise
- * Tea
- * Lozenges
- * Hair dye
- * Inhaler
- * Disinfectant

THE LIST OF INDUSTRIES WE ALSO CATER ARE :

- * Agro Chemicals
- * Food and Beverages
- * Breweries and Distilleries
- * Oils, Paints and Resins
- * Consumer Goods
- * Cosmetics

OUR GLOBAL FOOTPRINTS

We have directly exported to

Algeria	Belarus	Ethiopia	Ireland	Nepal	Sri Lanka	Turkey	UK	Vietnam
Australia	Croatia	Germany	Malaysia	Nigeria	Syria	Turkmenistan	USA	Yemen
Bangladesh	Egypt	Iraq	Moldova	Saudi Arabia	Tunisia	UAE	Uzbekistan	and many more...



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