

# Accelerates Your Business Potential with innovative PRS Technology India



Manufacturer of Pharmaceutical & Chemical Machineries



## We are Manufacturing

- Pharmaceutical
- Chemical
- Cosmetics
- Food &
- Process Equipments

## »» COMPANY PROFILE



We take this opportunity to introduce ourselves as a leading manufacturer, supplier and exporter of process machinery and packaging machinery for the pharmaceutical, cosmetic, chemical, distillery and allied industries.

Since inception, "Quality" has been the motto of the company, which has been rewarded by client loyalty, as we have retained most of our customers' and added new ones with each passing year, our enclosed list of users is a testimony to this.

We highly appreciate your time for this introduction. Kindly find enclosed our catalogue sets along with a list of users and other relevant documents for your kind perusal. In case you have any queries about our products or you have a requirement for any of our products, kindly feel free to contact us either through mail or electronic mail at the address.

## »» PRODUCTS

We are manufacturers and suppliers of Chemical Machines, Pharmaceutical Machines, Bulk Drugs, Ayurvedic, Food, Cosmetics, Turnkey Project's & Pilot Plants.

### Pharmaceutical & Cosmetics Equipment's & Machines

- Tablet & Capsule Formulation Plants & Equipments
- Drying Systems
- Automatic Tablet Coating Systems
- Milling & Classification
- Ointment Plant & Filling Machines
- Liquid Oral Plant & Filling Machines
- Soft Gel Plant
- Material Transfer Systems

### Chemical Equipment's

- Reactors
- Storage Tanks & Vessels
- Multipurpose R&D Pilot Plant
- Pressure Vessels and other Process Equipment
- Rotary Valves
- Heat Exchanger

## »» QUALITY POLICY



We maintain a separate Quality Control department to look after the various aspects of quality as per the latest and Modern Quality Assurance Program.

The Quality aspect is maintained right from Design and Engineering stage up to the erection and commissioning stage.

We have our own full-fledged Design and Engineering Department under Director (Engineering) supported by Chief Engineers Mechanical, Electrical and Process.

The in-house facilities for all required disciplines of engineering help in close co-ordination for the expeditious design of the plant and the projects are developed from conception to completion.

### Mixers & Blenders

- Sigma Mixer
- Cream Mixer
- Planetary Mixer
- Rapid Mixer Granulator
- Contra Rotary Mixer
- Ribbons Blender with Double Choppers
- Double Cone Blender
- V' Cone Blender
- Octagonal Blender

### Liquid Oral Plant Machinery

- Reactors
- Sugar Conveying System

# PHARMACEUTICAL EQUIPMENTS

## STARCH PASTE KETTLE

Starch Paste Kettle will be made out of S.S. 304 Rectangular Pipes and will be an independent resting type frame work where no foundation will be required. The Kettle will be a hemispherical type bowl with either steam / Oil / Water heating Jacket will be provided. The Kettle will be manufactured from 2.5 mm thick S.S. 304 Sheet and The Jacket will be of 2.5 mm Mild Steel (In case of steam Jacket the thickness will be 4 mm) There will be oil / water heated fitted at the back bottom side of the Kettle. The Kettle Will be having a worm type arrangement for tilting. A temperature controller & a temp Indicator will be provided for temp control & Indication. The Kettle will be Insulated with 50 Mm thick glass wool Insulation & Claded with 16 Swg S.S. 304 Sheet. Starch Paste Kettle will be buffed to 150 grit matt finishes externally and Internally the Kettle will be buffed to 220 grit mirror finish.



### OPTIONAL AVAILABLE

- Starch Paste Kettle is built in stirrer arrangement with lifting & lowering device
- Our Starch Paste Kettle is equipped with Steam fittings with all connections factory fitted
- Non Tilting type with bottom discharge models are also available.

### CAPACITIES AVAILABLE

our Starch Paste Kettle is available From 10 Ltrs to 2000 Ltrs Capacity.

## HOT AIR TRAY DRYER

Hot Air tray Dryer offered find application for automobile sticker drying and are also used in printing industry as these are suitable for drying screen printed stickers on PVC. Backed by latest technology support and use of quality construction material these are able to deliver optimum energy efficiency as well as meet the requirements of low operating costs.



Model	No. of Door	No. of Trolley	Over All Dimensions ( Approx.) In Mm			Blower Motor HP
PRS-12	01	Fixed Rack	1500	1000	1200	0.25
PRS-24	01	Fixed Rack	1500	1000	1500	0.5
PRS-48	01	01	1850	1025	1950	1.0
PRS-96	02	02	3400	1025	1950	1.0 X 2 Nos

## PLANETARY MIXER

Model	50	100	250	350	500	750	1000
Gross Volume Ltrs.	60	120	300	420	600	900	1200
Batch Size (In kgs)	50	100	250	350	500	750	1000

We offer wide range of Planetary Mixers for cosmetic industry which are obtainable in different specifications and capacities. With excellent duration, these planetary mixers prevent the paste from becoming lumpy. With robust construction and durability, these planetary mixers and cosmetic mixers are widely used for mixing, degassing and kneading viscous and heat sensitive pastes.

Our range includes double planetary mixer, double planetary mixer machine, commercial planetary mixer, industrial planetary mixers and industrial mixers. We also offer tailor made requirements. The speed of planetary mixers ranges from 100 rpm to 1000 rpm.

### FEATURES:

- Easy to install • Longer service life • High functional efficiency
- Dimensionally accurate • High tensile strength



# PHARMACEUTICAL EQUIPMENTS

## »» FLUID BED DRYER

Model Kgs	Gross Volume (Ltrs.)	Working Volume (Ltrs.)	Over All Dimensions ( Approx.) In Mm			Blower Motor HP
PRS10	30	16	750	1200	1500	2.0
PRS30	100	50	1000	1550	2200	5.0
PRS60	200	100	1200	1700	2500	10.0
PRS120	400	200	1400	2000	2800	15.0
PRS150	500	250	1500	2100	2800	15.0
PRS200	770	335	1700	2250	3100	20.0
PRS250	850	425	1800	2500	3200	25.0
PRS300	1000	500	2000	2500	3250	30.0



Our compact design fluid bed dryer are ideal for air fluidization for drying granules, crystalline, coarse or similar materials in pharmaceuticals, fine chemicals, dyes, food & allied industries.

## »» OCTAGONAL BLENDER



We are the dynamic, business-oriented organization ranking among the utmost entities in providing a wide assortment of Octagonal Blender.

Model	Gross Capacity	Working Capacity	RPM	Motor HP	Over All Dimensions (without Charging Bin)
PRSOCB 500	500	350	8	2.0 HP	2350 X 1100 X 2100
PRSOCB 750	750	500	8	3.0 HP	2450 X 1200 X 2250
PRSOCB 1000	1000	750	8	5.0 HP	2600 X 1400 X 2400
PRSOCB 1500	1500	1000	8	10.0 HP	2800 X 1600 X 2600
PRSOCB 2000	2000	1500	6	10.0 HP	3000 X 1800 X 2650
PRSOCB 3000	3000	2150	6	15.0 HP	3175 X 1850 X 2800

## »» MULTI MILL

Multi Mills are mostly used for wettings and drying granulations, pulverisations etc., in Pharmaceutical Industries, Chemical Industries, Cosmetic Industries, Ceramic Industries, Colour Industrie Industries, Dyestuff Industries, Food product Industries etc. It also finds application in Pesticides, Fertilizers, Spices, Detergents, Insecticides, Plasitcs and Resins industries.

### SPECIAL FEATURES:

- In GMP Model complete body cladded with SS304 and polished to the matt finish & in Standard Model excluding product contact parts, all other parts made out of C.I. or M.S. and painted.
- Higher output with process uniformity
- All contact parts can easily be dismantled and cleaned for change of product
- Different size of screen / speed / number of blade / direction of rotation of blade can be selected
- Mill with motor, electrical switchgear along with pillar are mounted on a base plate with castors for mobility.



# PHARMACEUTICAL EQUIPMENTS

## » VIBRO SIFTER

Vibro sifters are circular gyratory screens used to separate mass composition of solids, liquid from solid and for gradation of materials as per particle sizes. Vibration is generated in three different planes along the vertical axis by means of a specially designed vibratory motor having off centered weights at the top and bottom end of the motor shaft.

The angle of lead of the lower weight to the upper weight provides variable screening pattern & output.

### SALIENT FEATURES OF VIBRO SIFTER:

Vibro Sifter is Available in standard and GMP models with contact parts in stainless steel 304 or 316 quality.

Portable unit with higher output.

Double and triple deck unit with different screens can be provided. Easy to dismantle for cleaning screens.

Noiseless, maintenance free unit.



## » RAPID MIXER GRANULATOR



We provide Rapid Mixer Granulator with excellent mixing and consistent granulation is achieved along with higher productivity. Safe operation and easy thorough cleaning facility improves product quality and achieves lower operating cost.

Model	Gross Volume	Working Volume	Capacity In Kgs. (Wet Mass)
PRS RMG 25	25 LTRS	20 LTRS	10 KGS.
PRS RMG 100	100 LTRS	80 LTRS	40 KGS.
PRS RMG 150	150 LTRS	120 LTRS	60 KGS.
PRS RMG 250	250 LTRS	200 LTRS	100 KGS.
PRS RMG 400	400 LTRS	320 LTRS	160 KGS.
PRS RMG 600	600 LTRS	480 LTRS	240 KGS.
PRS RMG 1000	1000 LTRS	800 LTRS	400 KGS.

## » IPC LIFTER

As a client-friendly organization involved in supply and trade of IPC Lifter, we are faced with the challenge of living up to the client's expectations.

This lifting device is equipped with a counter weight mechanism which enables it to lift products in a gravity defying manner.

Heavy items can be easily lifted using this IPC lifter. They are tested stringently for optimum efficiency by quality auditors.

### SALIENT FEATURES:

- Easy to operate
- Gravity-defying
- Quality-tested



# PHARMACEUTICAL EQUIPMENTS

## »» IPC BINS

We hold expertise in offering precision fabricated IPC Bins & containers that support decreasing handling support required in a manufacturing process.

With solutions offered in different capacities from 25 liters to 1500 liters and others, these IPC Bins allow for dust free product transfer as well as also support controlling possibilities of containment and cross contamination.

Meeting demands of effective process & unit operation feed, these are made available with support of butterfly valve for discharge.

### SALIENT FEATURES:

- Optimum strength
- Best performance
- Precise dimensions



## »» MIXING VESSEL



Manufacturer of mixing vessels, mixing vessels are fabricated in SS316 -304 in various capacity 500ltr to 50kl. Manufactured using high quality raw material, these tanks are appreciated for their durability and corrosion resistant.

Chemical mixing vessels, process mixing vessels, stainless steel mixing vessels these 'We entertain more international inquiries'.

### OTHER INFORMATION:

- High durability
- Rugged design
- Enhanced performance
- Voltage: 380 v
- Material: Stainless steel
- Capacity: 1000 - 2000

## »» STORAGE VESSEL

In order to cater the requirements of the clients, we are involved in manufacturing and supplying an enormous range of Storage Vessel.

The offered vessel is extensively used in fine chemicals, dyes and intermediates, pharmaceuticals, petrochemicals, fertilizers, dairies, refineries and food Product Industries.

As per the clients' need, inside the storage tank lining or bonding will be done with rubber / FRP / lead / tile / brick / glass / PTFE / haller / SS cladding etc.

### FEATURES:

- Corrosion resistant
- Flawless finish
- Longer working life



# PHARMACEUTICAL EQUIPMENTS

## » LIQUID ORAL MANUFACTURING PLANT

Liquid Oral Manufacturing Plant are ideal tools for the pharmaceutical & cosmetic industries for the production of Ointment, Cream, Lotion, Gel, Tooth Paste & emulsions & homogenization. Fully automatic Ointment, Cream, Tooth Paste, Gel manufacturing plant consisting of Pre determined water phase vessel, Pre determined oil, wax, and petroleum jelly phase vessel, Vacuum Homogenizer Mixer vessel, Vacuum Pump, Storage vessel, Interconnecting pipeline., Transfer Pumps (Bump Pump, Lobe Pump & Metering pumps, Integrated automatic control panel, Working Platform.

### DESIGN FEATURES:

- Design compliance with cGMP
- Integrated Cleaning in Place-CIP.
- Sterilizing In Place-SIP as an Option.
- Batch Size
- Available model 50 Liter to 5000 Liter working Capacity.
- Materials
- Product Contact AISI 316L.
- Food Grade silicon rubber for seal.



## » OINTMENT MIXER



With the assistance of our highly experienced professionals, we are engaged in manufacturing and supplying a huge gamut of Ointment Mixer Machine. This mixer machine is precisely designed using optimum quality component and ultra-modern technology at our well-furnished manufacturing unit.

Apart from this, provided Ointment Mixer machine is passed through various quality check parameters to assure its high quality. Our offered mixer machine is available in various specifications at market leading prices.

Our clients can avail these machines in different capacities ranging between 25 Lit. to 50 Lit.

### FEATURES:

- Optimum performance
- Minimum maintenance
- Long service life

## » OINTMENT MANUFACTURING PLANT

The Ointment Manufacturing Plants are ideal tools for the pharmaceutical & cosmetic industries for the production of Ointment, Cream, Lotions, Tooth Paste & other emulsions & homogenization. Ointment Manufacturing Plant is designed to handle processes right from transferring of raw material to the delivery of finished products.

Coming with digital metering pump fitted in hopper of filling machine, this plant is used for production of lotion and is so designed that it saves on valuable batch processing time. The plant offers efficient heating & cooling with support of accurate temperature control even in cases where processing is done for small quantities.

### FEATURES :

- Capacity 100 kg. to 3000 kg.
- Automatic control panel for complete system / PLC system (Optional)
- Process Ointment / Cream / Lotion and tooth paste designed emulsifier / homogenizers
- Easy sterilize piping system with din fitting
- Available in STD / GMP model complete untouched process
- Pneumatic / hydraulic lifting to lid manufacturing vessel.



## »» CHEMICAL REACTOR

We offer premium quality Reactors that are chiefly used in chemical industry. We make these reactors available in various designs that include electric, hot oil and steam heated. Our proficient engineers design chemical reactors in such a way that maximizes net present value for desired reaction. The reaction in our reactors proceeds with the highest efficiency towards the desired output product, producing the highest yield of product while requiring minimal maintenance and operation cost.

Owing to the sound industry experience, we have been successful in catering to the requirements of our esteemed clients by offering quality Chemical Reactors. Superior in quality, our offered reactors are manufactured in compliance with the industry set norms and guidelines. High in performance, our offered chemical reactors are manufactured with the aid of sophisticated machinery and technology.

### FEATURES OF REACTOR :

- Available in different specifications
- Stainless steel and mild steel is utilized in manufacturing process
- Better efficiency
- Leakage proof
- Genuine steel built



## »» NUTSCHE FILTER



Our company has achieved laurels in offering Nutsche Filters to the clients. Nutsche Filters are used for separating various particles through filtration processes.

Offered range is available in varied capacities, models, size and can be customized as per specifications mentioned by clients.

These products are consisting of a vessel which is divided into two compartments by means of a perforated plate.

Offered range is manufactured by adroit professionals using excellent grade raw material in line with industry defined parameters at well equipped manufacturing unit.

### SALIENT FEATURES NUTSCHE FILTERS :

- Excellent filtration
- Accurate dimension
- Light weight

## »» VACUUM TRAY DRYER

Model	VTD-3	VTD-6	VTD-12	VTD-24	VTD-36	VTD-48	VTD-96
No. of Trays	3	6	12	24	36	48	96
Capacity	12	24	48	96	114	288	560
Volume	8 / 4	8 / 4	8 / 4	8 / 4	8 / 4	8 / 4	8 / 4
L W H In Mm	800 X 400 X 30 or 50	800 X 400 X 30 or 50	800 X 400 X 30 or 50	800 X 400 X 30 or 50	800 X 400 X 30 or 50	800 X 400 X 30 or 50	800 X 400 X 30 or 50
Heating Sleeves	4	7	7	13	13	17	17
Shelf Size In Mm	820 X 420	420 X 835	835 X 835	835 X 835	835 X 1250	835 X 1250	835 X 1250
Condenser	0.2 M2	0.5 M2	0.75 M2	1 M2	1.5 M2	2 M2	4 M2
Receiver	10 Liters	25 Liters	50 Liters	75 Liters	100 Liters	150 Liters	250 Liters



Vacuum Tray Dryer is the most commonly used batch dryer. They are box-shaped and loaded and unloaded via a door (two doors on the larger models). The medium flowing through the heating plates is water, steam or thermal oil.



## »» DOUBLE CONE BLENDER

Model	100	250	500	750	1000	1500	2000	3000	5000
Gross Cap	100	250	500	750	1000	1500	2000	3000	5000
Working Cap	70	175	350	500	700	1000	1400	2000	3500

The Double Cone Blender supply by us are fabricated from best grades of raw material procured from reliable and reputed vendors and are ideal for mixing dry powder and granules homogeneously.

Owing to the quality, durability and flawlessness these are widely appreciated all across the globe.

Double Cone Blender are extensively used in pharmaceutical, food, chemical and cosmetic industries these machines are ideal for some industries.



## »» RIBBON BLENDER



Manufactured using quality raw materials and a number of quality checks, this Ribbon Blender supplied by us is known for its sturdy construction and the high level efficiency it provides.

We, being one of the leading suppliers, process this product through a number of quality checks.

The product finds its application in several industries, for the purpose of mixing several dry materials and wet pastes.

### FEATURES OF RIBBON BLENDER :

- Contact parts made of customer requirement.
- Double Helical agitator with single speed for uniform dry mix and perfect wet mix.
- The general structure Ribbon Blender has non-contact parts made of customer requirement.
- In GMP model, all the safety guards and covers are made of Stainless steel 304. All the non-contact parts are polished in matt finished in GMP Models.

## »» HEAT EXCHANGER

Heat Exchanger offered provides functionality as a device that is designed to achieve efficient heat transfer from one medium to another with media separated by solid wall so as to ensure these never mix or be in direct contact. Being widely used in areas like air conditioning, power plants, space heating, refrigeration, chemical plants, petroleum refineries, petrochemical plants, natural gas processing, and other industry sectors, the most common of these heat exchanges are used in oil refineries as well as in other large chemical processes where these are used in higher-pressure applications.

Further, these heat exchanges also comprise Plate heat exchanger which is differentiated in terms of details of plate design and sealing technologies used. With backing of extensive R & D done, we are able to match up with the exact Heat Exchanger requirements of the customers.

### FEATURES OF HEAT EXCHANGER :

- Sturdy construction
- Corrosion & abrasion resistance
- High performance
- Easy installation
- Less maintenance
- Rigid construction



# API & BULK DRUGS & COSMETIC EQUIPMENTS

## »» DISTILLATION COLUMN

We also offer a superior range of Distillation Columns to our clients, which are extensively used in various sectors. These are available in various load capacities, which can be modified as per the necessity of our customers.

We offer our range at competitive industrial prices. These distillation columns are a continuing division in which a combination is constantly fed into the procedure and divided fractions are detached endlessly as output streams. It is extensively used in the chemical process industries where large quantities of liquids have to be distilled

### FEATURES OF DISTILLATION COLUMN :

- High vacuum
- Good air pressure
- Automation system
- Low capital expenditure
- Quality output
- High productivity
- Low energy consumption
- High separation efficiency



## »» CHEMICAL RECEIVER



We are able to offer a wide assortment of Chemical Receiver. These tanks are manufactured using high quality raw material in accordance with international quality standards. We offer our clients with high grade quality certified range of Chemical Receiver, majorly installed in chemical & gas industry, biotechnology and food processing industry.

It is widely used for storage of chemicals, solvents and all kinds of fluids. We manufacture these industrial chemical receivers in several standard and customized configurations and shapes.

These are manufactured from genuine stainless steel metal and are non reactive to chemicals. Further the steel provides resistance against corrosion. These are developed under the supervision of highly qualified professionals, which make sure that each machine is stringently tested and verified under international parameters.

Receivers can be fabricated in various customized designs and options such as shape, capacity and material of content. In shape i.e., vertical, horizontal, rectangular and capsule.

## »» CONTRA ROTARY MIXER

Our Contra Rotary Mixer are unique in quality and ready for heavy work environment. Contra Rotary Mixer are used for homogeneous mixing of high viscosity and density products, particularly in the FMCG, drug and pharmaceutical industry for the production of items like toothpastes, creams, cosmetics etc. Contra Rotary Mixer have two blades, which rotate in the opposite direction in contra motion for a thorough mixing.

These products are known for dimensional accuracy, corrosion, abrasion resistance and low maintenance. Offered range is can be customized as per the requirements of prestigious clients. These products are designed under the close supervision of experienced and creative professionals. Offered range is widely demanded by clients owing to glossy finish and beautiful looks.

### FEATURES OF CONTRA ROTARY MIXER:

- Elegant design
- Long lasting
- Smooth surface
- High efficiency
- Trouble free performance



## »» HOMOGENIZER

We manufacture a durable range of Homogenizer machine which comprises of positive displacement pump and has its own significance.

The displacement pumps forces the product under high pressure through a small adjustable gap between the valve and the valve seat, causing turbulence and intense mixing.

Homogenization is a process used to emulsifying one liquid into another or uniformly dispersing solid particles throughout a liquid to improve important product qualities.



## »» SPARKLER FILTER



We are bringing forth a huge array of Sparkler Filters to the customers.

These Sparkler Filters are made up of finest quality components and newest technology. Further, our Sparkler Filters are highly demanded and acclaimed among the customers for their long service life and hassle free performance.

These are specially designed for an efficient functioning and are available in the market in a variety of sizes.

We offer six months of warranty on all our products from the date of purchasing so as to win the trust of our customers.

### FEATURES SPARKLER FILTERS:

- Prevents evaporation
- High cake holding capacity
- Quality product
- Excellent filtrate rate
- Energy efficient





An ISO 9001 : 2008 Certified Co.

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