

Leading the way in Innovation

Superior Quality, High Affordability, Reliable service



Yamuna Engineering

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Introduction

We, M/s. YAMUNA ENGINEERING, introduce ourselves as one of the leading manufacturers of Equipment and machines for pharmaceuticals, Chemicals, Cosmetics and food industries. Committed towards quality Services.

Our office & our manufacturing facility is located in G.I.D.C. Ankleshwar, Gujarat (INDIA) is fully equipped with all modern equipment, tools and other infrastructures backed by our efficient team of Engineers, Supervisors and workers. Our Engineers, Supervisors and Workers are keeping abreast with the latest technologies. We aim at perfection in Job that we are undertaking and complete in record time.

Our work is appreciated by the companies and with their continuous patronage we are growing further to play a supporting role for the major industries in India.

And now we feel enthused to approach our good office to be blessed by your association in the form of contract work as per your requirement.

We provide our best service for all kinds of pharmaceuticals, chemicals, Cosmetics & food industries spares at lowest price.

We seek your trade enquires and wish to establish a long and lasting business relationship, waiting for your kind and favorable response by sending your valuable enquiry.

“Thank you...”

For,
Yamuna Engineering

Our Product Range

Multi-mill	Ointment / Cream Manufacturing Plant	Rotocone Vacuum Dryer	Reactor/Process/Mixing Vessels
Vibro-Sifter	Liquid / Oral Manufacturing Plant	Vacuum Try Dryer	Heat exchanger
Starch Past Kettle	Planetary Mixer	Hot Air Try Dryer	Storage Tanks / Vessels
Rapid Mixer Granulator	Contra Rotary Mixer	Octagonal Blender	Solvent storage Tank
Fluid Bed Dryer	Semi contra mixer	Double Cone Blender	DM Water Tank
FBD Bowl Tipper	Nauta Mixer	Ribbon Blender	SS Piping with Orbital welding
IPC Lifter/Mechanical Loader	Centrifuge Machine	Cage Blander	SS Furniture
IPC Bins		‘V’ Blender	
Coating pan			

Multi-Mill

Available in batch capacities ranging from 50 Kgs to 500 Kgs. As per particle size.



Salient Features:-

Available in standard cGMP and customized models with SS304/SS316/SS316L Contact Part.

Precision designed to grind / compress / impact and shear in an effective manner.

Sieves available in sizes of 0.5 to 12mm Hole diameter.

Most suitable for granulating, Pulverizing, Mixing, Shredding and kneading of a range of wet and dry material.

Ideal equipment for the granulation of pharmaceutical material.

Different size of screen/speed/number of blade/direction of rotation of blade can be selected.

Low energy consumption and high degree operation.

Vibro-Shifter

Available in Size 12", 24", 30", 36", 48" and 60" Inch.



Salient Features:-

Available in standard cGMP and customized models with SS304/SS316/SS316L Contact Part.

Double and triple deck unit with different screens can be provided.

Easy to dismantle for cleaning screens.

Noiseless and maintenance free unit.

Optimum performance, Extreme durability

Effective in separation of mass composition of Solids, Liquid from Solid and also gradation of material as particle size.

Specially designed motor carefully positioned at the center of the base plate to be provide tangential thrust.

Starch Paste Kettle

Available in batch capacities rating from 50 Kgs to 1000 Kgs, as per client requirement.



Salient Features:-

Available in standard cGMP and customized models with SS304/SS316/SS316L Contact Part.

Serves an effective purpose in heating of paste, pulp, juice of fruits and vegetables to the desired temperature.

Hemispherical design for proper mixing of paste.

Discharge from bottom via butterfly valve.

Driven via motor & Gear box assembly mounted on top.

Anchor type impeller design for proper mixing of past

Hydraulic lifting with tilting arrangement.

Rapid Mixer Granulator (RMG)

Available in batch capacities rating from 50 Kgs to 1000 Kgs, and R & D Model also available.



Salient Features :-

Available in standard cGMP and customized models with SS304/SS316/SS316L Contact Part.

Mix the dry components first, followed by wet granulation without transferring the dry mixture. Less wetting and more rapid drying.

Short mixing and granulation time.

High quality precision machines suitable for fast efficient and uniform mixing.

Proprietary impeller design and close tolerance manufacture reduce material build-up walls of the bowl.

Easily dismantled chopper for ease of cleaning and thorough cleaning validation.

Unique pneumatic swivel lid arrangement for increased operator safety and ease of set-up.

Minimal Energy consumption, Fastest batch cycle times.

Unique design and constructional features for maximum yield.

Precision manufacturing and world-class finishes.

Options include: wash-in-place, binder feed delivery, powder feed and wet granulate discharge interface.

Modern PLC based control system with manual operating system.

Machine available in flameproof and non-flameproof models.

FLUID BED DRYER (FBD)

Available in batch capacities rating from 3 Kgs to 500 Kgs.



Salient Features :-

Available in standard cGMP and customized models with SS304/SS316/SS316L Contact Part.

The product to be dried is fluidized by passing jets of hot gases through it, ensuring uniform transfer of heat energy from the gas stream to the moisture laden product, achieving uniform drying.

Digital temperature indicator cum controller from inlet air and outlet air, to monitor the temperature of inlet and outlet air.

cGMP construction with option for 3 stage filtration.

Steam or electric heating system,

Modern PLC based control system with manual operating system.

Easy to clean and Maintenance, Wear and Corrosive Resistance.

Highly customized with optional packages, suiting varied requirements of the clients.

FBD Bowl Tipper

Available in lifting capacities ranging from 50 Kgs. to 500 Kgs.



Salient Features :

Available in standard cGMP and customized models with SS304/SS316/SS316L Contact Part.

Hydraulically operated with an arm to lift and tilt/rotate FBD bowl by 180 Degree

Eliminates tedious and unhygienic manual handling of products.

Operates is completely dust free and eliminates scooping

Can be provided with pneumatic actuator

Swiveling movement of the lifting arm is facilities

Hydraulic Tilting arrangement for maintenance free operation.

Lift Lock for safety provided.

Lifting height 1000 mm to 4000 mm.

Easy to clamp with FBD Bowl, Easy to operated and clean

Mechanical Loader

Capacity of Mechanical Loader 850-1000 Kgs.



Mechanical Loaders are Ideal for loadings material in Sifters, RMGs, Tablet Compressions etc.

Salient Features :

cGMP compliant model

Swiveling movement of lifting arm

Lift height 1000 mm to 3000 mm

Hydraulic/Electromechanical lifting arrangement.

Can be integrated to downstream/upstream units PLC

Automatic / Manual operations.

IPC BIN

Available in different capacities ranging from 50 Ltrs. to 1500 Ltrs.



The IPC Bins loaders are using for transfer the materials dust free and without human touch in pharmaceutical industries for Load powder in to RMG bowls etc...

Salient Features :-

Available in standard cGMP and customized models with SS304/SS316/SS316L Contact Part.

It helps to control containment and cross contamination

Provided with butterfly valve for discharge

Reduction in segregation, Personal safety

Effective process & unit operation feed

Coating pan

Available in model 36" inch to 72" inch.



Our range of tablet coating pans is extensively used for sugar and film coating of tablets, pellets and granules. The unit comprises of ellipsoidal shaped pan fabricated using stainless steel sheet and mounted on the gearbox shaft, which is driven by an electric motor.

Salient Features :-

Available in standard cGMP and customized models with SS304/SS316/SS316L Contact Part.

The complete drive unit is enclosed in a sturdy cabinet

Hot air blower with flexible SS Pipe heaters are provided with thermostat control for fast drying

Heaters are interlocked with the blower motor therefore unless the blower is on, heater does not start

Ointment / Cream Manufacturing plant

Capacity Available from 50 Ltrs. to 2500 Ltrs.



The ointment manufacturing plant are ideal tool for the pharmaceuticals & cosmetics industries for the production of Ointment, Cream, Lotion Toothpaste, & Other emulsions & homogenization it is specially designed to tack care of two critical factor which directly after the quality of the ointment / cream.

Salient Features :-

All contact parts made of Stainless Steel 316 and non contact part ss 304 material.

All vessels are cGMP & All gaskets use are Food grad silicone materials

Provides functioning that is untouched by hand.

Homogenizer functioning as transfer pump for efficient discharge of the finishing product.

Provides for perfect particle as well as droplet size control

Hygienic finish construction to ensure contamination free working environment.

Advanced PLC support that allows automated process control.

Control panel provided for visual display of plant operations.

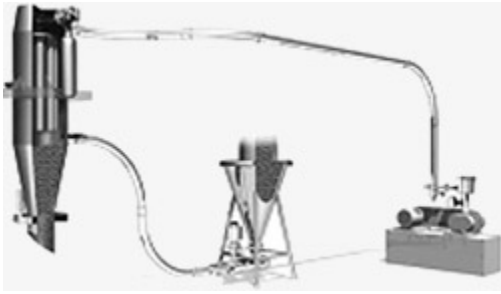
Variable speed control support of mixing arm achieved through AC frequency controller.

Digital display support for product temperature and current values on control panel

Easily cleanable and completely untouched process, hence less chance of contamination.

Vacuum transfer system

Available in different capacities ranging from 25 liters to 1500 liters,



Vacuum transfer systems are ideal for long distance conveying and where product degranulation is a concern.

Salient Features :-

Available in standard cGMP and customized models with SS304/SS316/SS316L Contact Part.

It helps to control containment and cross contamination

Provided with butterfly valve for discharge

Effective process & unit operation feed

Personal safety

Reduction in segregation

Liquid / Oral manufacturing plant

Capacity ranges from 50 Ltrs. to 20,000 Ltrs.



The Liquid Manufacturing Plants are ideal tools for the pharmaceutical industry for the production of Oral Liquids. It is specially designed to take care of two critical factors which directly affect the quality of the Liquids. Minimum manual handling of Liquid.

Salient Features :-

Fully automatic untouched process for liquid oral manufacturing plant.

cGMP compliance with CIP / SIP facility.

Capacities available from 100 ltrs. to 20000 ltrs. batch capacity

Fully automatic plant consisting of Sugar syrup vessel, syrup manufacturing vessel and storage vessel with interconnecting pipe lines, transfer pumps and integrated control panel.

Entire plant can be operated through integrated control panel, by 01 skilled & 01 semi skilled operator.

Sugar charging by means of vacuum transfer or mechanical charging can be provided optionally.

All interconnecting pipe lines are internally electro polished and with easy openable tri clover fittings.

All vessels are equipped with bottom entry agitator, which leads to less maintenance, lower energy consumption and better mixing of products.

Different plant layouts to suit site conditions or customers' requirement.

Planetary Mixer

Available Models from 25 Ltrs. to 1500 Ltrs.



Salient Features :-

Excellence mixing of dry powder and granules

Easy bowl removal without removal of mixing arm.

Bowl trolley for easy transport.

Planetary movement provides very intensive, quick, homogeneous & dead-spot-free mixing.

Removable bowl design and arm interchangeability allow easy cleaning and quick changeover.

Full interlocked guarding.

Safety railing with a limit switch for safety.

Easy to clean and Maintenance

Wear and Corrosive Resistance

Product Contact Part GMP & Non Contact part are cGMP

Can be designed to customer's specification requirements

Contra Rotary Mixer

Capacity Available from 25 Ltrs. to 1500 Ltrs.



Salient Features :-

Compact design requires comparatively smaller floor space.

Product container mounted on mounting lugs or legs as required by customer.

Flawless performance, long functional life, Easy to clean and Maintenance

Wear and Corrosive Resistance

Product Contact Part GMP & Non Contact part are cGMP

Can be designed to customer's specification requirements

Nauta Mixer (Cone Screw Mixer)

Capacity Available from 25 Ltrs. to 2500 Ltrs.



Salient Features :-

Supported mixing screw at vessel bottom

Sanitary designs for pharma applications

Laboratory mixers

Jacket/ Limpet for heating or cooling

Solvent recovery system, Easy operation, Excellent functionality

Easy to clean and Maintenance, Wear and Corrosive Resistance

Rotocone Vacuum Dryer

Available Models from 25 Ltrs. to 4000 Ltrs. Gross Capacity



Salient Features / MOC (GMP Model)

GMP unit, ideal for pharmaceuticals, food products.

Low drying temperature, fast drying and Uniform drying.

Continuous vacuum maintenance during process.

Lumps breakers are provided to prevent lumps formation.

Provision for Nitrogen Pulse jet for self-cleaning of vacuum line filter.

Mechanical seal for effective sealing on both the ends, vacuum side and Utility Side.

cGMP Construction with Shell & Tube Type condenser & Receiver

Safety railing with a limit switch for safety.

Easy to clean and Maintenance

Vacuum tray Dryer

Available Models from 3 Trays TO 96 Trays.



Salient Features :-

Product contact are made out of SS304/SS316 or SS316L MOC in GMP Models,

Validation ports and nitrogen purge nozzles

Solvent recovery system with condenser and receiver

Leak proof door sealing for efficient drying of product

Safety railing with a limit switch for safety.

Easy to clean and Maintenance

Wear and Corrosive Resistance

Product Contact Part GMP & Non Contact part are cGMP

Can be designed to customer's specification requirements

Hot Air Tray Dryer

Available models from 24 Trays TO 192 Trays



Salient Features :

Spilt model with separate AHU with tree stage filtration can be provided upon request

Available with electric / steam / thermic fluid heating facility

Leak proof door sealing for efficient drying of product

Easy to clean and Maintenance, Wear and Corrosive Resistance

Available in cGMP model and Non-cGMP model.

Can be designed to customer's specification requirements

Octagonal Blender

Available Models from 5 Ltrs. to 8000 Ltrs. Gross Capacity



Salient Features :-

The bin charging system can also be incorporated in it which is a dust free closed system for charging and discharging of powders or granules.

Manhole with gasket is provided to fix baffles in the shell and for easy cleaning.

Discharge is through a butterfly valve.

Safety railing with a limit switch for safety.

Easy to clean and Maintenance

Wear and Corrosive Resistance

Product Contact Part GMP & Non Contact part are cGMP

Can be designed to customer's specification requirements

Double Cone Blender

Available Models from 5 Ltrs. to 5000 Ltrs. Gross Capacity



Salient Features :-

Excellences mixing of dry powder and granules

High capacity model provide with powder charging system

Higher clearance under discharge

Safety railing with a limit switch for safety.

Easy to clean and Maintenance

Wear and Corrosive Resistance

Product Contact Part GMP & Non Contact part are cGMP

Can be designed to customer's specification requirements

Ribbon Blender

Available Models from 5 Ltrs. to 10,000 Ltrs. Gross Capacity



Salient Features :-

Efficient and variable blending machine for blending dry powder and granules.

Different bled design with single/Double helical ribbons to suit process requirement.

Easy to clean and Maintenance,

Wear and Corrosive Resistance

Product Contact Part GMP & Non Contact part are cGMP

Can be designed to customer's specification requirements

Bin blender (Gage Blender)

Available Models from 5 Ltrs. to 2500 Ltrs. Gross Capacity



Salient Features :-

- Excellence mixing of dry powder and granules
- Smart stop positioning for easy loading / unloading for the IPC
- Easy access to internal areas via man-holes for change-over and cleaning
- Quick and easy dry powder product discharge via bottom valve
- Safety railing with a limit switch for safety.
- Easy to clean and Maintenance
- Wear and Corrosive Resistance
- Product Contact Part GMP & Non Contact part are cGMP
- Can be designed to customer's specification requirements

'V' Blender

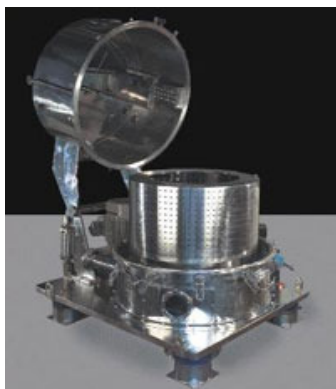
Available Models from 3 Ltrs. to 1000 Ltrs. Gross Capacity



Salient Features :-

- Excellence mixing of dry powder and granules
- Fully integrated motors and controls
- Safety railing with a limit switch for safety.
- Easy to clean and Maintenance
- Wear and Corrosive Resistance
- Product Contact Part GMP & Non Contact part are cGMP
- Can be designed to customer's specification requirements

Centrifuge Machine



Salient Features :-

- Corrosion-resistance, Excellent performance, Long service life,
- Resistant against corrosion, Highly efficient

Reactor / Process / Mixing Vessel

Capacity rating from 300 Ltrs. to 10,000 Ltrs.



Yamuna Engineering is engaged in design, manufacturing and supplying of high quality process reactors. Reactor, unlike mixing tanks, are totally sealed from the atmosphere. Mixing tanks are designed to disperse two or more chemicals together. Reactor on the other hand, allow the chemicals inside to go through a reaction phase which ultimately produces new and different chemical properties.

Limpet Jacketed Reactors :

Half-pipe jacketing provides very good heat transfer by allowing high flow rates. It is best suited for high temperatures and pressure applications utilizing hot oil or other high temperature media. Half-pipe is formed from a continuous coil and is "wrapped" around the vessel exterior in single or multiple zones to provide greater latitude for process capabilities. We use a 180 - degree half-pipe configuration that minimizes pressure and increases fluid velocity.

Jacketed Reactors :

Also known as open jacket, conventional jacketing is a secondary external shell wrapped around the primary vessel to provide a space for heat transfer fluids. We add a spiral formed internal baffle to direct the heating media around the vessel from the inlet to the out. Conventional jacketing is best used on smaller diameter vessels.

Limpet Jacketed Reactors - Jacketed Reactors - Reactors - Chemical Reactors - Reactor - Pharmaceutical Reactor.

Storage tanks & Vessels

Capacity ranging from 100 liters to 50,000 liters



The Storage Tanks & Vessels manufactured by us Yamuna Engineering are capable of satisfying your specific requirements. We also build storage and process vessels with customized designs and our tanks are available in diverse sizes with various storage capacities.

Salient Features :-

Horizontal, Vertical(capsule shaped), etc tanks available.

Plain storage tanks with loose top lid & either flat or dished bottom

Jacketed / Non-jacketed vessels and tanks.

Vessels under vacuum / without vacuums.

Pressure vessel for various applications

Storage tanks for water for injection and purified water storage systems

Oil Storage Tanks, Chemicals Storage Tanks, Bio-Diesel Storage Tanks and many more application.

Can be designed to customer's specification requirements

Heat Exchanger

Capacity rating from 1M² to 125M²



Heat Exchanger

It is the most common type heat exchanger are used in main chemical, petrochemical, food and processing industry, have very important role in heat transfer processes such as reheating of water, condensate cooling etc. Having long manufacturing tradition, using reliable calculations and quality materials for their production, we made broad network of satisfied users inside the country and in the region.

We manufacturing Heat Exchangers as per ASME Sec. VII, Div. I Latest and TEMA B & C Different MOC options are available to suit process requirement.

SS Piping with Orbital welding

Being a renowned manufacturers and suppliers, we are engaged in offering finest quality SS Piping with Orbital Welding to our clients. This rang is widely demanded by our valuable clients owing to its dimensional accuracy, purpose specific construction and corrosion resistance. Further, our assortment is available is various grades and is highly cherished for sturdiness and long functional life.

Salient Features :-

Purpose specific, High performance, Durable, Accurate dimensions, Rugged construction, Longer functional life



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