

Autonic industries

SOUND QUALITY SOUND BUSSINESS

WHY CHOOSE US?



We're in business to save our home planet.



Project your goals for the future

OUR COMPANY IS COMMITTED TO PROVIDING QUALITY PRODUCT AND UNSURPASSED CUSTOMER SERVICE

Today, We stand among the leading organizations of this domain due to our streamlined business operations and ability to fulfill varied needs of the clients. Some other factors that have helped us achieve this status are as follows:

FLAWLESS PRODUCTS

TIMELY DELIVERY

PAYMENT MODES

COST EFFECTIVE PRICES

DESIGN SOLUTIONS TO A DESIGN PROBLEM

CUSTOMER FOCUSED APPROACH

Our mentor 'Mr. Mahesh Virani ' & 'Mr. Meet Prajapati 'is a known veteran and suggests new ideas for the betterment of the organization. Due to his business in sight and sharp business acumen, we have mustered a huge clientele in different parts of Our Country



WHO WE ARE

INDUSTRIES", are among the leading organizations involved in manufacturing and supplying Pharmaceutical and Chemical Machinery. Our product range include Double Cone Blender, Fluid Bed Dryer (F.B.D), Rapid Mixer Granulator, Storage Tank, Rotocone Vacuum Dryer, Lifting & Tilting Device, Bucket Filter, Distillation Column. Our machinery is rugged and has gained appreciation for easy to use controls, low maintenance requirements and durability.

Having state-of-the-art infrastructure and expert professionals, we are able to streamline our business Activities.

These professionals work in sync and help us in providing application specific solution to the clients. With their help, we deliver our products on-time and at the desired location of the clients. Further, we offer Flexible payment modes and strive to maintain our market credibility by giving prompt response to clients' queries.

Our mentor 'Mr. Mahesh Virani ' & 'Mr. Meet Prajapati ' is a known veteran and suggests new ideas for the betterment of the organization. Due to his business insight and sharp business acumen, we have mustered a huge clientele in different parts of the world. Today, we stand among the leading organizations of this domain due to our streamlined business operations and ability to fulfill varied needs of the clients.



FLUID BED DRYER

We have supplied the fluid bed dryers all over India and Abroad for pharmaceutical industries and we have got the results of our machines to their full satisfaction as per the requirements. Our Company is Manufacturers of pharmaceutical Machinery from India, autonic industries manufacturer of Fluid Bed Dryers which is also known as Fluidized Based Dryers or FBD.

Our Fluid Bed Dryers consists of a simple drying unit and helps in the conversion to a granulation or coater when optional packages are incorporated. Fluid bed dryers are available in standard pneumatic logic and sophisticated computerized controls and are also offered in STEAM heated Model. Our dryers provide simple solution to dry products and are high in performance as compared to the conventional drying method in tray dryers, which is rather inadequate & troublesome, especially for pharma industries



DIFFERENT TYPE OF FLUID BED DRYER MODEL

Model	30	60	120	200	250
Product Bowl Volume in Liters	100	120	440	780	960
Batch Capacity in Kg	30	60	120	200	250



ROTOCONE VACUUM DRYER

We are leading Manufacturers of Rotocone Vacuum Dryers, Exporters of Rotocone Vacuum Dryers. It is suitable for drying the material which can not operate at low Temperature easily oxidized, poisonous in nature. It operates at low Temperature efficiently under vacuum. Rotocone Vacuum Dryer is very economical by total solvent recovery.

FEATURES OF ROTOCONE VACUUM DRYER

- Low drying temperature, fast drying. Uniform drying.
- Easy to clean internal surface.
- Continuous vacuum maintenance during process.
- Dust filter is provided to filter solid particles.
- $\bullet \ \ Suitable \ size \ condenser; \ Receiver \ is \ provided \ for \ solvent \ recovery.$
- Cyclone separator to recovery the solid particle.

TYPE OF MODELS

Model	50	100	325	500	500	750	1000	1500	3000	5000
Total Volume Ltrs.	50	100	325	500	600	750	1000	1500	3000	5000
Working Volume Ltrs.	30	60	200	300	500	450	600	900	1800	3000

PHARMA GRANULATION 04

VACUUM TRAY DRYER

VTD - Vacuum Tray Dryers are used to heat and dry material under vacuum drying and dryingmaterials due to high toxic contents, nature, heat sensitive.

Vacuum Tray Dryer is a static type of dryer used in various industries under vacuum atmosphereto dry temperature sensitive materials as well as pharmaceutical and allied products.

Vacuum Tray Dryer works on the principle of conduction considering the vacuum conditions. There are several shelves placed under which products are placed.

FEATURES OF ROTOCONE VACUUM DRYER

- Drying of Materials in Containers.
- Lower Drying Temperature than Standard Dryers
- Faster Drying due to Large Surface Area
- Comparatively Dries Large Moisture than Normal Dryers
- Stainless steel construction (SS 316L/316/304)
- Dedicated Circulating Systems & Fluid Heating
- Provision for Explosion Vent / Rupture Disc on body & Validation Port on Body
- Chamber provided with Vacuum break Valve
- Qualitative Interlocking for Doors to Chamber
- Uniform Heating Flow Branded Immersion Heaters
- Complete Automation w/ PLC controls (Optional)





TRAY DRYER

Autonic Industries is one of the leading manufacturer, supplier & Exporterof Tray Dryers in India.

The Tray Dryer offered by us is used for diverse drying applications like food, electrodes, bakery, plastic & powders and drying of pigments. The Tray Dryer is used in the industries like Pharmacy where drying and heating are the essential parts of the manufacturing process.

SALIENT FEATURE

- All contact parts made of SS 316 as cGMP standard
- Design for uniform circulation of hot air in the drying chamber
- Heating cold and fan motor having electrical inter locking for safety of heating elements
- Electric/Steam/Thermic Fluid heating system
- Fresh air inlet and outlet air flow can be adjusted with damper control valve

DOUBLE CONE BLENDER

The Double Cone Blender is an efficient and versatile machine for mixing dry powder and granules homogeneously. All the contact parts made out of stainless steel of required grade by customer. Two third of the volume of the Double Cone Blender is filled to ensure proper mixing. It can be used for Pharmaceutical, Food, Chemical and Cosmetic products etc.

SALIENT FEATURES OF DOUBLE CONE BLENDERS

- The conical shape at both ends of Double Cone Blender enables uniform mixing and easy discharge.
- All contact parts are made out of stainless 304 or 316 quality material, as required by customer.
- Maximum care has been taken to ensure safe operation of Double Cone Blender.
- Manual rotating facility with hand wheel for inching. The same will be





OCTAGONAL BLENDER

Octagonal Blenders, due to its octagonal shape is designed to process to larger volume of material, it accupies less space compared to other similar blenders like "V" and Double Cone Power consumption is also less. The blending takes place at low speed during operation. It is well balanced even in higher capacities.

APPLICATION

- Dry powder mixing for tablets and capsules formulations.
- Dry granules sub lots mixing to increase the batch size at bulk lubrication stage of tablet Granules.

SALIENT FEATURE

- Contact parts in stainless steel 304 or 316.
- Octagonal shaped with rectangular center, conical discharge frustum.
- Baffles provided in the shell Manhole with gasket is provided to fix baffles and for ease of cleaning the shell
- Charging and discharging drum after butterfly valve. A conical adaptor can be provided for fixing charging drum after butterfly valve.
- Unit can be provided with bin charging arrangement.
- All moving parts are enclosed in guards.
- A safety railing with a limit switch is provided for operator safety.
- Manual Inching arrangement can be provided.
- Flame-proof motors with flame-proof push button stations can be provided.

PHARMA GRANULATION 06

RIBBON BLENDER

Autonic Industries is one of the leading manufacturers, suppliers & Exporters of Ribbon Blenders in India. The RIBBON BLENDER is an efficient and versatile blending machine for mixing of dry granules & powders homogeneously. Approximately two third of the volume of the container of Ribbon Blender is filled to ensure proper mixing The Ribbon Blender gives best result for mixing of dry powder & granules due to the design and shape of the mixing ribbon and product container. It can be used for Pharmaceutical, Food, Chemical and Cosmetic products etc.

SPECIAL FEATURES OF RIBBON BLENDER

- The shape of container and mixing stirrer gives sufficient continuous
- movement to the powder / granules, result in good quality.
- All contact parts are made out of SS304/SS316 or SS316 L quality material.
- Maximum care has been taken to ensure safe operation of the unit.
- Centrally located material discharge valve. (Butterfly / Sliding Valve
- Dust proof top cover with window provided.
- General structure completely made out of mild steel and painted in Standard Model & the same is cladded with SS304 in GMP model.
- Safety Guards and Covers made out of SS304 in GMP Model & made out of mild steel in Standard Model.
- Legs made out of MS and painted in Standard Model same will be



TYPE OF MODELS

Model	100	250	500	750	1000	1500	2000	3000
Gross Cap.	100	250	500	750	1000	1500	2000	3000
Working Cap	80	200	400	600	800	1200	1600	2400



CAGE BLENDER

The Cage Blender system is a fourth Generator system designed as an integral cycle system from formulation to utilization. It involves mixing and batch identification of the product during intermediate steps inside the same hermetically sealed container. This system allows that the CGMP is followed as closely as possible (no cross contamination, no position of the environment)

SALIENT FEATURE

- The material of construction will be SS-304/SS 316.
- The bins are stackable one over the other and shall have complete stability.
- The bins can be lifted stacked and transported by Fork Lift Trucks.
- The charging hole with cover is provided on top with quick opening & closing arrangement.
- Each bin has a built-in butterfly valve 200 mm dia at the bottom suitable for powder
- The bins are highly polished from inside & outside.

DIFFERENT TYPE OF CAGE BLENDER

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

'V' BLENDER

Autonic Industries is one of the leading manufacturer, supplier & Exporter of V Blender in India. The "V" BLENDER is an efficient and versatile blending machine for mixing and lubrication process of dry powders homogeneously. Approximate two third of the volume of the Blender is filled to ensure proper mixing. The "V" Blenders gives best result for powders due to suitable medium speed and "V" shape of container.

DESIGN HIGHLIGHTS "V" Blender the powders comes from all sides due to the "V" shape of the product container hence requirement of RPM is medium. Suitable mainly for powder & granules type material. This type of material gets sufficient continuous movement. Due to the "V" shape of container, have only medium movement and will results in good quality of blending/lubrication of granules. Suitable for dry mixing of products in powder form. The "V" shape gives sufficient continuous movement to the granules result in good quality. Maximum care has been taken to ensure safe operation of the unit.



TYPE OF MODELS

Model	100	250	500	750	1000	1500	2000	3000	5000
Gross Cap.	100	250	500	750	1000	1500	2000	3000	5000
Working Cap	80	200	400	600	800	1200	1600	2400	4000



VERTICAL SCREW BLENDER

- 1) Materials: Carbon steel, stainless steel
- 2) Batch capacity: 100 kg 10,000 kg
- 3) Single screw
- 4) Small amount of liquid can be atomized and sprayed

This series mixer is asymmetrically cantilevered with single helix. The helix will make self-rotation and the screw arm will revolve to complete convection, cuting and diffusing to achieve the purpose of mixing. Vertical Blender can be applied in the mixture, reaction, drying and cooling of powder to powder (S-S) powder to liquid (S-L), and liquid to liquid (L-L) in the chemical, medicine, pesticide, dye, petroleum, metallurgy and construction material fields

PHARMA GRANULATION 08

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.

TECHNICAL SPECIFICATION OF VIBRO SIFTERS

Model	Model 20" Dia		48" Dia
Charging Height with Hopper	1300 mm	1300 mm	1040 mm
Discharging Height	787 mm	787 mm	660 mm
Electrical Motor	Electrical Motor 0.5 HP. 1440 rpm. 415 V.		0.5 HP. 1440 rpm. 415 V.
	3 phase, 50 Hz	3 phase, 50 Hz	3 phase, 50 Hz
Overall Dimension in mm	900 (w) x 700 (d) x 1350 (h)	100 (w) x 850(d) x 1350 (h)	1600 (w) x 1400(d) x 1350 (h)
Net Weight	75 Kgs	100 Kgs	200 Kgs
Capacity Hr.	20 to 200 Kgs	30 to 300 Kgs	50 to 500 Kgs



RAPID MIXER GRANULATOR

Rapid Mixer Granulator is designed to meet special needs of tablet manufacturing technology. This is achieved by reducing processing time, more homogenous mixing, Uniformity of Granule size and above all maintaining improved hygiene compliant to GMP norm. Standard Processing Duration Dry Mixing approx 3-5 Mins Wet Mixing approx 5-10 Mins Wet Granulation approx 5-10 Mins Discharge approx 1-15 Mins Above time may vary from material to material.

RMG IMPROVED PROCESSING

Uniform distribution of all formulation ingredients. Short mixing and granulation time. Useful working capacity of upto 80% to 40% of bowl volume. Uniform granules by gentle processing. Wide range of applications. Easy scale up & Scale down between machine sizes. Bowl shape design to have no dead spaces.

DIFFERENT TYPES OF RAPID MIXER GRANULATION MODELS

Model	RMG 50	RMG 100	RMG 150	RMG 250	RMG 400	RMG 600	RMG 1000
Model	50	100	150	250	400	600	1000
Gross Cap.	40	80	120	200	320	480	800
Working Cap	15	30	60	100	150	250	400



PASTE KETTLE

Hemispherical design for proper mixing of paste Jacket for heating element as a part of kettle External jacket for Insulation as an option Heating element via (Provided by customer). Discharge from bottom via butter fly valve Inside mirror finish Driven via motor & gear box assembly mounted on top Discharge of paste Via.

Bottom from butter fly valve Anchor type impeller design for proper mixing of paste 75% closed & 25 % open top cover deign with proper locking All the contact part from SS-316 All the non contact part from SS-304 Main

CAPACITY OF PASTE KETTLE

Standard models range from 50 Ltrs to 250 Ltrs.

MECHANICAL LOADERS

 $Mechanical \ Loaders\ are\ Ideal\ for\ loadings\ material\ in\ Sifters,\ RMGs,\ Tablet\ Compressions\ etc.\ Swivelling\ movement\ of\ lifting\ arm.\ Capacity\ of\ Mechanical\ Loader\ 850-1000\ Kgs\ Lift\ height\ 1000\ mm\ to\ 3000\ m$

SALIENT FEATURES OF MECHANICAL LOADER

- cGMP compliant model
- Automatic / Manual operations.
- Hydraulic/Electromechanical lifting arrangement.
- Can be integrated to downstream/upstream units PLC





IPC BINS

IPC bins are use to transfer the Materials dust free and without human touch in Pharmaceutical industries.

- Its helps to control containment and cross contamination With butterfly valve for easy discharger.
- Reduction in segregation
- Available in cGMP Models SS-304 /316 as per requirement of our clients
- Our Manufacturing company from 25 ltrs. to 3000 ltrs.

09

10

PHARMA GRANULATION

PLANETARY MIXER

Autonic Industries is one of the leading Manufacturer, Supplier & Exporter of Planetary Mixer in India. Although new technologies like single pot processing are becoming more and more important in pharmaceutical industry, the planetary mixers are still using for basic operations of mixings and blendings. We offer a complete range of Collette planetary mixers, from lab-scale to large production machines with all features and options that are required for flexible production. Our range of planetary mixers are in strict compliance with CGMP standards. These industrial planetary mixers are designed to be used in the pharmaceutical, food and fine chemical industries.



- Stainless steel product contact parts 304 or 316.
- Easy bowl removal without removal of mixing arm.
- Bowl trolley for easy transport.
- Special safety ring prevents injury to hands between bowl & lid.
- Bowl cover incorporates filling aperture & inspection window.
- Planetary movement provides very intensive, quick, homogeneous & dead-spot-free mixing.



TYPE OF MODELS

Model	50	100	250	350	500	750	1000
Gross Vlume Ltrz.	60	120	300	420	600	900	1200
Batch Size (in kgs)	50	100	250	350	500	750	1000

CONTRA ROTARY MIXER

We are engaged in the manufacture of Contra Rotary Mixer used for the manufacture of ointments. The mixter contains double contra rotary blades that create a laminar thinning of the material to ensure uniform mixing.

THE MIXER IS ENRICHED WITH THE FOLLOWING UNIQUE FEATURES

Vacuum Operated, Agitated, Jacketed suitable for STEAM heating. The design of the Contra Rotary Mixer is perfect to withstand the vacuum created during the process of mixing. Further, these also eliminate air entrapment to prevent the foaming agent from forming suds. Mixer is provided with jacket for cooling or heating as per the application Contra Rotary Mixer, Manufacturer, Supplier and exporter of Contra Rotary Mixer

CONTRA ROTARY MIXTURE (PE CRM)

Model	Batch Size in kgs
CRM 5X	50
CRM 10X	100
CRM 25X	250
CRM 35X	350
CRM 50X	500
CRM 75X	750

Batch Size in kgs
1000
1500
2000
2500
5000



OINTMENT / CREAM MFG. PLANT

Autonic Industries is one of the leading manufacturer, supplier & Exporter of Ointment Mfg. Plant in India. We offer Ointment Manufacturing plants. those are ideal for preparation of ointment cream.

FEATURES OF OINTMENT MANUFACTURING PLANT

- Jacketed vessels for heating/cooling processes.
- inspection glass with illumination.
- Specially designed inline filters can also be provided to ensure proper filtration.
- Easily cleanable and completely untouched process, hence less chance of contamination.
- All contact parts made of Stainless Steel 316 and non contact part ss 304 material.
- All pipelines are electro polished from inside and joints are easy open able
- Complete cover lifting arrangement to facilitate cleaning at the time of product change over
- Especially semi-contra & Double contra designed anchor stirrer with flexible Teflon scrapers
- The plant is provided with pre-mixing wax and water phase vessels and the main manufacturing vessel
- The main vessel is provided with a slow speed anchor agitator for mixing and a bottom high speed homogenizer for emulsifying.
- Variable speed drive provided for main anchor stirrer assembly for different speeds

TYPE OF MODELS

Model	50	100	250	350	500	750	1000	1500	2000	2500
Gross Vlume Ltrz.	60	120	300	420	600	900	1200	1800	2400	3000
Batch Size (in kgs)	50	100	250	350	500	750	1000	1500	2000	2500

SYRUP PLANT

Autonic Industries is one of the most experienced Syrup Plant manufacturer, supplier and exporter. We offer syrup manufacturing plants that are best suitable for the production of oral liquids or syrup. Equipped with an electrical control panel with digital temperature indicators and digital timer, it is one of the best options available today. Syrup plant, also known as Syrup Machine, is most suitable for the pharmaceutical industry for the production of syrups. This high tech machine is equally user-friendly and it can be easily operated by centralised operating



FEATURES

- The syrup manufacturing plants are ideal tools for the pharmaceutical industry and food industry for the production of oral liquids.
- Ideal solution to the pharmaceutical industry for the production of oral liquid. The process consists of sugar syrup preparation.
- \bullet Ingredient mixing and storage with product distribution piping.
- Range of plant covers from 100 L to 20,000 L with various options in top and bottom entry agitators for mixing and homogenizing of syrup & suspensions.
- Product contact parts are SS 316 with option of jacketed vessels and heating system suitable for steam as well as electrical.

11 cosmetics

CHEMICAL 12



AUTOCLAVE PROCESSOR

A vertical autoclave processing equipments are specially designed for medical clinical bactericidal & research laboratories Pharmaceuticals Fertilizer Plant, Breweries soft Drinkmfg.etc.

SPECIFICATIONS

- Complete stainless steel body. SS 304 / SS 316
- The Unit has spring loaded safety valve for pressure adjustment and a dead weight safety valve.
- Autoclave Processor Equipment is hydraulically tested upto 50 kgs cm2

Autoclave Processing Equipments are Available in different sizes 50 Ltrs. to 5000 Ltrs.

CHEMICAL REACTOR

Autonic Industries is one of the leading manufacturer, supplier & Exporter of Reactor, Chemical Reactor, Pharmaceutical reactor in India. 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.

- AVAILABLE IN STANDARD CGMP MODELS
 WITH 304 & 316 CONTACT PARTS.
- AVAILABLE IN 2 MODELS (1) LIMPET REACTORAND
 (II) JACKETED REACTOR
- AVAILABLE IN CAPACITIES RANGING FROM
 50 LTRS TO 50000 LTRS
- AS PER REQUIREMENT OF CLIENTS.



RECEIVER TANK

Receiver tank are used for storage of Chemicals, solvents and any type of liquids in small quantity for chemical, pharmaceutical, biotechnology and food processing industries.

We manufacture air receiver that serve the dual purpose of compressed air storing and delivering it when the compressor is not running.

Other function of air receiver is to serve as a pulsation damper and moisture trap. Our air receiver come in wide range Receiver tank 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. Receiver Tank, Manufacturer, Supplier and exporter of Receiver Tank



STORAGE TANK

Storage Tank is our biggest tank category. Storage tank is also called chemical resistance.

SPECIFICATIONS

It applied to infusion, injection, oral liquid, blood preparation, biology, fine chemical and fermentation industries. Technical parameters of Storage Tank

- Material adopts 316L or 304, inside surface roughness is Ral 4um, outside surface roughness is Ra0.8um
- Form: vertical or horizontal.
- Components: vent filter, manhole, Specification: 100L 50000Lcleaning ball, liquid level gauge, and control system or according to clients specific requirement.
- Specification: 100L-50000L



-13 CHEMICAL

CHEMICAL 14

HEAT EXCHANGER

Heat Exchanger, which 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 repiart



TECHNICAL DATA

- Working gauge pressure-40 bar
- Working temperature-400 C
- Exchanger surface-2.5m3-2000m3
- Working media-water-water, steam-water, oil-water

USEGE

- · Reheating of water
- Condensate cooling
- Technical water heating for the internal use.

ADVANTAGE

- Long life cycle
- Water heating on high temperatures (huge temperature differences
- Massive output parameters coming out of small input parameters
- Quick response during the starting process
- Regulation on the output in the range from 0 to 100%
- Heat Exchanger Manufacturer, Supplier and exporter of Heat Exchanger.

DISTILLATION COLUMN

A Distillation Column is an essential item which used for the distillation of liquid mixtures. This separates. the mixture into its component parts or fractions. Our range of Distillation Column is manufactured using optimum quality raw material, procured from reliable vendors.

Owing to the quality and durability of our product, it has a high demand in the pharmaceutical industry. The Distillation Columns are used for varied purposes, depending upon the desired liquid holdup, capacity. (flow rates) and pressure drop. To meet the requirements of our esteemed clients, these are available in diverse specifications and designs.





:: OUR VALUABLE CUSTOMERS ::

Laxmi Healthcare

Ronak Chemical

Minol Acids & Chemicals Pvt. Ltd.,

Exotic Life
Sciences Pvt. Ltd.

Concord Biotech Limited

Ridhi Pharma

Phorvik Pharma
Intermediates

Uma Organics & Chemicals

Fresio Herbals
Pvt. Ltd.

Om Organic Shyam Enterprise



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