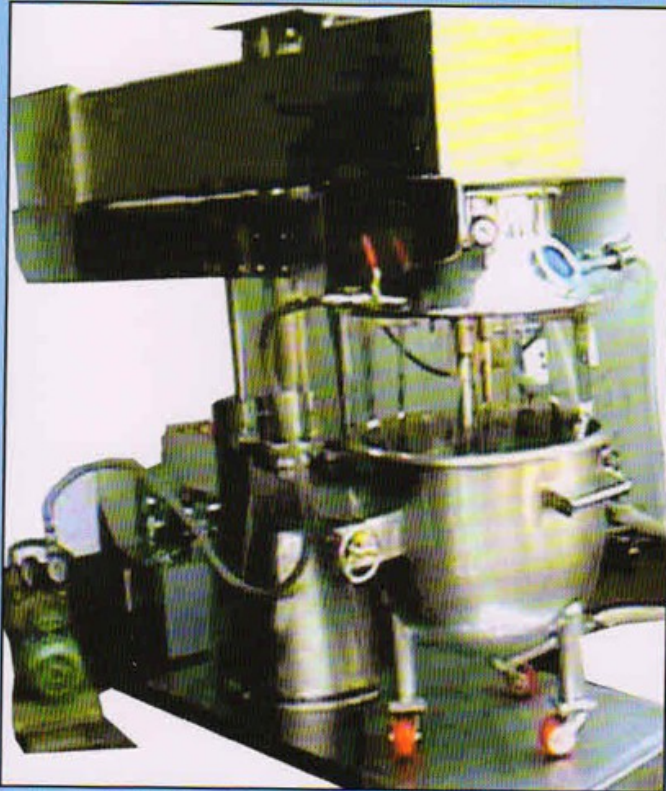


BLENDERS & MIXERS

PLANETARY MIXER



We export Planetary which are used in mixing of dry powders, wet mass, cream, ointments and paste. The Planetary Mixer makes use of gear transmission to drive two impellers rotating in similar direction, producing the desired effect of kneading, twisting and dispersing effects.

Planetary Mixer is applicable in different industries of pharmaceutical, food and chemicals. Its excellent deaeration system is integrated in the mixers to prevent the consistency of paste from becoming lumpy. Planetary Mixer have smooth and consistent performance and can be customized to meet the specific mixing & blending requirements.



The Double Planetary Mixer includes two blades that rotate on their own axes, while they orbit the mix vessel on a common axis. The blades continuously advance along the periphery of the vessel, removing material from the vessel wall and transporting it to the interior. After one revolution the blades have passed through the entire vessel, after three revolutions most materials have been mixed and after only 36 revolutions, the blades have contacted virtually the entire batch.

Today we offer many of our mixers including our PowerMix with this option, which can dramatically increase production in your plant. While one vessel is wheeled away for remote discharge and cleaning, another wheels into place to start the next batch immediately.

Today it still surpasses all others in both productivity and long-term reliability. With no packing glands or bearings in the product zone, contamination is virtually eliminated.

This mixer is ideal for mixing and kneading viscous pastes or putty-like materials. A wide variety of options include vacuum/pressure, thermal jacketing and sanitary designs.

Features:

- High shearing force compared to conventional mixers
- Easy installation without tools
- Trouble-free AC Motor Drive which does not require carbon brush replacements
- Easy dismantling for the purpose of cleaning & sanitizing
- Hydraulic Lifting Arrangement

VIHAR ENGINEERING

All Types of Pharmaceutical & Cosmetic Machinery

9, Kembros Ind. Estate, L.B.S. Marg, Sonapur Lane, Behind Asian Paints, Bhandup (West), Mumbai - 400 078.

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RIBBON BLENDER

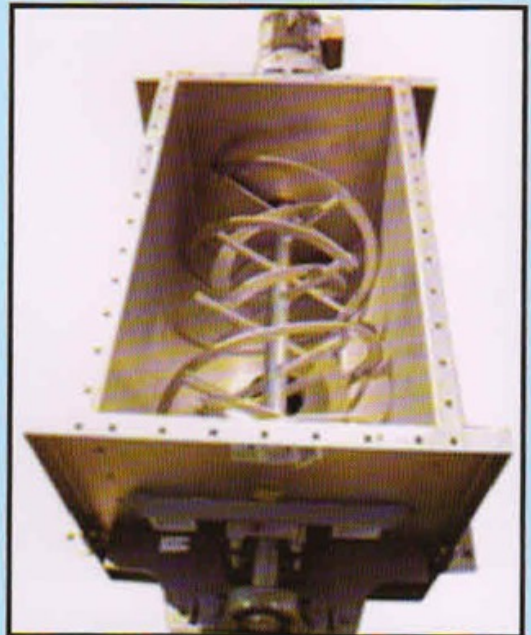
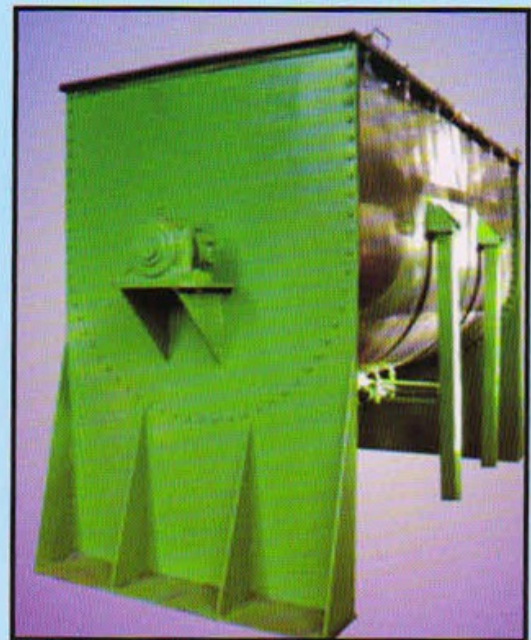
We export Ribbon Blender which is an efficient and versatile blending machine for mixing of dry granules & powders homogeneously. Approximate two third of the volume of the container of Ribbon Blender is filled to ensure proper mixing. The Ribbon Blender gives best result for mixing of dry powder & granules 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.

Material should be charge from the top side. There are port/ports should be provided on the top cover to charge the material as well as for air vent. One discharge valve provided at the bottom side at center of the container. The discharge height could be adjust as per the requirement, so that material gets discharge in the other container directly, so that material handling time for discharge is nil and the operation is dust free.

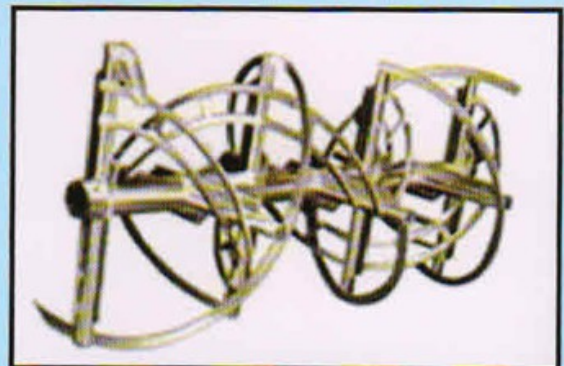
In Ribbon Blender the powder moves from center to the end of container and end of container to the center of container. Hence requirement of total mixing time is very less and the rpm required are also very less. The dry material gets sufficient continuous movement due to the shape & movement of ribbon & shape of the container, which moves material for good quality of blending. The unit is consist of one electrical motor, one worm reduction gear, belt drive between motor and gear, couple drive between gear to (ribbon) mixing stirrer. Container having four nos. Of legs with discharge valve & top cover. Both end of mixing shaft is sealed with bush & ptfе gland housing & safety guards are provided on all moving parts.

Salient Features :

- 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 quality material.
- Maximum care has been taken to ensure safe operation of the unit.
- Inching facility for stirrer for discharge of material.
- Full cover on top side of the container.
- Discharge height must be adjusted, if confirm with order.
- Operating panel provided for safe operation of blender.
- Centrally located material discharge valve.
- Dust proof top cover with window provided.
- General structure completely made out of mild steel & painted in standard model & the same is claded with ss304 in gmp model.
- Safety guards & covers made out of ss304 in gmp model & made out of mild steel in standard model.
- Legs made out of m. S & painted in standard model & same will be claded with ss304 in gmp model.
- Automatic control panel provided with the machine.



Inner Parts of Ribbon Blender



OCTANGONAL BLENDER

Exporter of **Octagonal Blender** which is an efficient and versatile blending machine for mixing and lubrication process of dry granules homogeneously. Two third of the volume of the cone blender is filled to ensure proper mixing.

The octagonal blender gives best result for granules due to very slow speed and octagon shape of container. It can be used for pharmaceutical, food, chemical and cosmetic products etc. In octagonal blender the granules comes from all sides due to the octagonal shape of the product container, hence requirement of rpm is less. Suitable mainly for crystalline & granular type material. This type of material gets sufficient continuous movement due to their shape if container have only slow movement and will results in good quality of blending / lubrication of granules.

Special features :

- suitable for dry mixing of products in granule form.
- easy for loading and unloading of material.
- easy for cleaning.
- all contact parts are made out of ss 304 / ss 316 or ss 316 l quality material, as per customer requirement.
- the octagonal shape & slow speed of rotating gives sufficient continuous movement to the granules, result in good quality.
- simple design requires minimum maintenance.
- general structure & safety guards made out of mild steel & coloured in standard model and made out of ss 304 & polished to the matt finish in gmp model.
- maximum care has been taken to ensure safe operation of the unit.
- manual rotating facility with hand wheel for inching.
- bigger size batch at low power consumption.



DOUBLE CONE BLENDER

Our **double cone blender** is made of premium quality raw material & renowned for function with precision in its various applications. It is an efficient blending machine for mixing dry powder and granulates homogeneously. All the contact parts of this blender are made of highest quality stainless steel. It is extensively used by various industries for it's hassle free functions, few of the industries are pharmaceutical, chemical and cosmetic products, food & more. Few of the many key features of this product are given below

Features

- Model - 10 to 5000 Lts capacity
- Ideal for powder mixing for capsule section.
- For Uniform mixing of dry powder and granules.
- Available in GMP model.



MASS MIXER

We are one of the well known manufacturers and suppliers of Mass Mixer. These Mass Mixers are manufactured using high grade raw material, which is obtained from the reliable vendors of the market. This ensures international quality standards. These Mass Mixers offered by us are also tested on various parameters to make sure their proper functioning and long life.

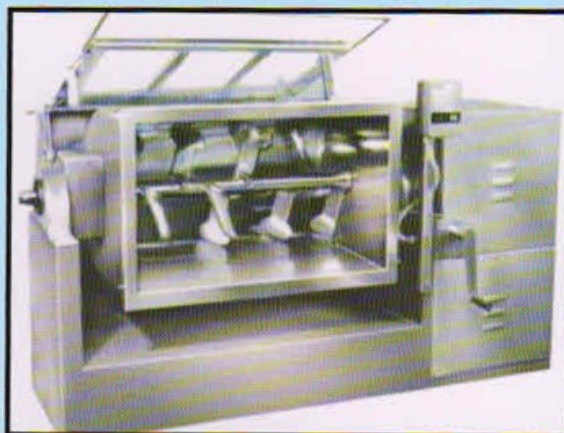
Designed to perfection for thorough mixing, our Mass Mixer is easy to clean and maintain. Mass Mixer is equipped with safety transparent dust cover & has specially designed self-adjusting sealing arrangement, which ensures that no black particles enter the mixing drum. Cost effective in nature, this Mass Mixer is durable & long lasting in nature.

Features:

- Resistant to corrosion
- Smooth and consistent performance
- Durable

Specifications:

Available size - 10 kg to 300 kg



POWDER FILLING MACHINE

We are one of the leading organizations engaged in offering a wide array of Powder Filling Machine. These Powder Filling Machines are fabricated in accordance with the national as well as international standards of quality. Furthermore, our Powder Filling Machines are available at industry leading prices to suit the budgetary constraint of the customers.

Features:

- Robust construction • Corrosion resistant • Excellent performance



TRAY DRIER



Tray Drier is used in Pharma, Chemical and Food Industry. Construction is strong, Robust and sturdy. It is manufactured in various M.O.C. as per the need of the specific industry i.e. SS 316, SS 304 & MS Fabricated.

Capacity comes mainly in 5 models, 12 trays to 192 trays.

Doors : It is 1/2 doors as per the model and its provided with locking arrangement, strong hinges, Rubber sealing gasket etc.

Fan & Motor : Well balanced large propellor fans provided, Fitted inside the chamber with suitable shafts supported by bearings and driven by electric motors.

Heating : Electrical Heating or by Steam

Controls : Complete electric panels provided with indicating lamps, thermocouples, temperature controllers, push buttons etc.

Optional : Additional trolleys, trays can be provided ampere meters, timers with buzzers can be provided in the panel.

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All Types of Pharmaceutical & Cosmetic Machinery

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OINTMENT SECTION



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WEBSITE : www.viharengineering.com / www.blenderandmixer.com

OINTMENT PLANT



Our team of experts work in close co-ordination with our clients to understand their needs and accordingly offer a customized solution.

Ointment manufacturing plants or cream manufacturing plants consists of the following

1. Wax Melting Vessel
2. Water Heating Vessel
3. Manufacturing vessel
4. Storage vessel
5. Interconnecting pipeline
6. Pumps (Bump / Lobe Pump & metering pumps)
7. Integrated automatic control panel.
8. Working Platform

PLANETARY MIXER

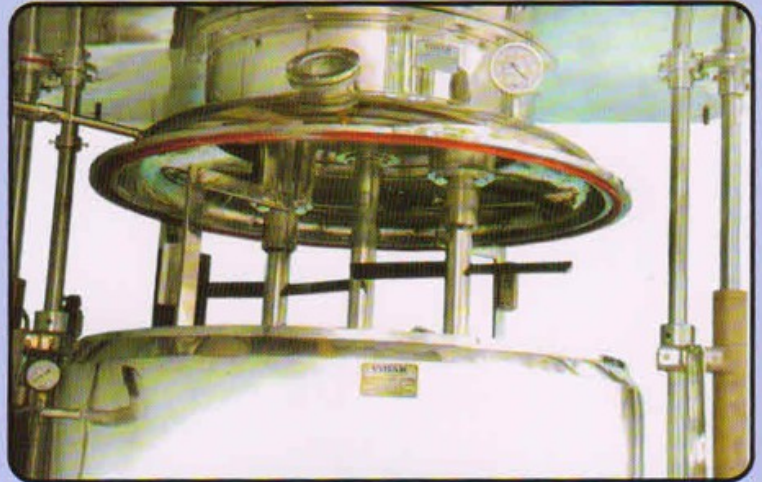
JACKETED PLANETARY MIXER

We design Special Jacketted Planetary Mixers Vacuum Type which are designed for mixing ointments, paste, wet mass, cream and dry powders. The rotation mixer uses gear transmission to drive two impellers rotating in the same directions, producing the interactive kneading, twisting and dispersing effects. Both impellers revolve around the mixing tank and bring the materials inside for complete mixing. The innovative vacuum design mixing helps to achieve homogeneously mixing results.

We specialize in manufacturing Planetary Mixer Vacuum Type for pharmaceutical, food, and fine chemical industries. The excellent deaeration system integrated in the mixers prevents the paste from becoming lumpy. Trouble free motor drive ensures smooth and consistent performance of the mixers. Our range of planetary mixers can be customized to meet the specific mixing and blending requirement of the customers.

Features:

- High shearing force compared to conventional mixers
- Easy installation without tools
- Trouble-free AC Motor Drive which does not require carbon brush replacements
- Easy dismantling for the purpose of cleaning & sanitizing
- Hydraulic Lifting Arrangement



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INLINE HOMOGENIZER MACHINE

Our organization is counted among the leading manufacturers and exporters of Inline Homogenizer. The professionals engaged with us make use of their technical expertise and experience in offering high grade Inline Homogenizer to the clients. The products are also tested on various parameters to ensure efficient performance. In Inline agitation system, the possibility of materials –Liquid or Solid passing through it, without subjected to intense hydraulic and mechanical shear actions is zero. Here suction pipe (inlet pipe) is centrally mounted & outlet is radially mounted, therefore it is physically impossible for any material to pass from inlet to outlet without exposed to agitation.



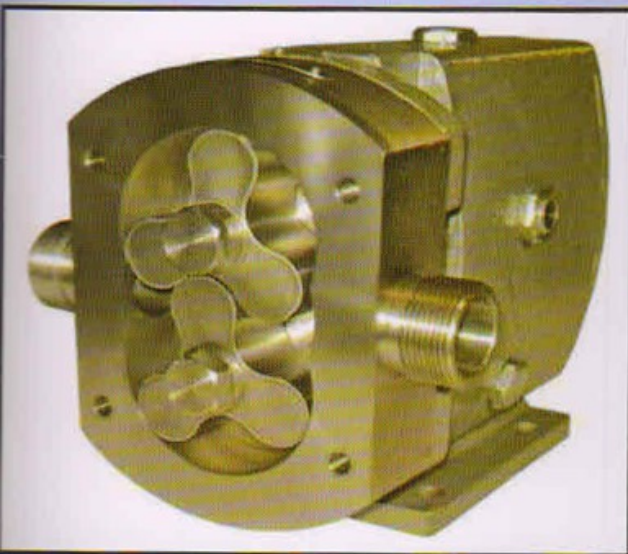
The stator which surrounds rotor is available with various type of opening i.e. round, square, rectangular & with perforation also so that all the critical demand of Mixing, Emulsifying, Disintegration & Dispersion of solids, suspension can be met out by same equipment.

Features:

- Reduces the particle size
- Rapidly dissolve solids
- Creates emulsions and suspension
- Versatile
- Require minimum maintenance
- Excellent quality
- Great strength
- High performance



LOBE PUMP



Our manufactured pumps are sturdy and compact in design & perform most complex job in a simple manner. They require less changeover time & are easy to clean & maintain. These pumps are specifically designed for transferring cream from storage vessel to the hopper of tube filling machine. Renowned for their hassle free and long lasting functioning & available with us at an cost effective price.

We are involved in manufacturing lobe pump for transferring cream in order to cater to the requirements of the clients. These pumps are used in pharmaceutical, food and beverage, cosmetics, dairy and chemical industries. The functions of the pump is the transfer of liquids and products like pastes, creams and gels. Features of the product are as follows:

- Quick and easy dismantling
- Easy to clean
- Long life

CREAM / OINTMENT FILLING MACHINE

We offer custom designed, superior quality Ointment and Cream Filling Machine, which are cost effective, convenient & easy to use. Ointment and Cream Filling Machines that are manufactured using medical grade of steel and designed to perfection. These Ointment and Cream Filling Machine have semi-automatic piston type rational in design and are small & exquisite in model. The pneumatic part of the machine adopts the pneumatic components of Germany FESTO and Janatics. Our range of cream and ointment filling machines are renowned to provide hassle free performance in a cost effective operations.

Features:

- The contacting parts of the machines are made using SS 304/316 grade of stainless steel
- Filling head use anti-leakage and lifting filling device
- The filling volume and filling speed can be adjusted as required
- The filling accuracy rate is high.

Specifications

- Power Supply : 440/220V 50/60Hz
- Filling Speed : 5-20 Bottles/min/head
- Filling Accuracy : $\leq \pm 1\%$
- Air Pressure : 0.4-0.6MPa
- Filling Range : 25-60ml 50-125 ml 100-250 ml 200-500 ml



TUBE FILLING

AUTOMATIC ALUMINIUM TUBE FILLING MACHINE



Plastic & Lami	Aluminum
Output	35 to 40 Tube/per min
Filling Range	3 gm to 150 gm
Tube Diameter	10 mm to 40 mm
Operator	one
Power Consumption	5kw
Air Pressure	6 to 7 kg
Net weight	450
Gross Weight	555
Dimension	38"L x 36"W x 72"H

AUTOMATIC LAMI / PLASTIC TUBE FILLING MACHINE

Our range of Laminated Tube Filling Machines have a syringe pump housing and rotary piston filling device that has a blow off device pneumatic tail cut-off system. These machines have a high filling speed of 30 to 35 tubes per minutes and jacketed hopper single head type of capacity of 40 liters. These tube filling machines are provided with stainless steel spring loaded change part 12 nos. nylon holders one tube size. These machines are also equipped with temperature controller with 3 KW SS tubular heater. Our range of machines have a label sensor and controller and various optional accessories like vacuum cleaning, jacketed hopper with stirrer, product level sensor in filling hopper with pump controller, automatic cassette loader to load the tubes

Features

- Auto Feeding & Orientation of tubes with "I" mark Sensor.
- Contact parts made of S.S 304/S.S 316L. Quality material the conforms to CGPM Norms.
- LEISTER make Hotair tools for Lami Tube Sealing.
- No Tube no filling Device.
- Quickly change over from Lami to aluminum tubes within 10 to 15 minutes.
- Rotary type & compact design.
- Production counter available on control panel to indicate number of tube filled.
- Filling Accuracy + 1 %

Optional Accessories :

- Sealing : Hot air.
- Jacketed hopper & stirrer.
- Batch Coding Arrangement Female Type is provided.
- Orientation
- Transfer Pumps.
- Tube cleaning Attachment.



NOTE : LAMI, PLASTIC & ALUMINUM COMBO MACHINES ALSO AVAILABLE