



ASHA INDUSTRY

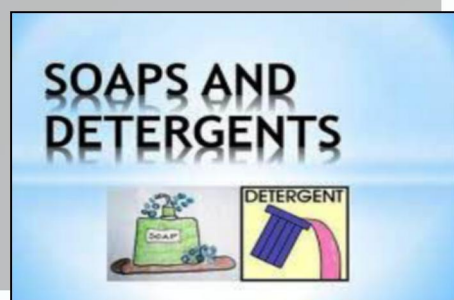
EXCELLENCE AND INNOVATION BUILT INTO EVERY DESIGN.....

ASHA INDUSTRY have carved a strong niche for us in the domain of manufacturing wide range of processing equipment's and solutions for various industrial sectors including the Chemical, Cosmetics, Personal Care, Cement, Fertilizers, Paints and pharmaceuticals industries.

At "ASHA INDUSTRY", we possess the experience in designing and manufacturing a myriad collection of special purpose machinery for many industries like man-made fiber, cement, rubber and tyres, paints, chemicals, soap and detergent to mention just a few. We have also designed, manufactured and supplied process equipment like mixers, dryers and filters maintaining the highest standard of workmanship and are proud to have a long list of satisfied clientele in India and abroad.

"ASHA INDUSTRY", has the necessary competence, experience and resources to supply potential customers with engineering services such as basic engineering and detail engineering. Fabrication work is designed in accordance with required codes and various construction materials and technical assistance for plant commissioning/start-up and after sale assistance is provided to the customer's satisfaction.

INDUSTRIES WE SERVE



SOAP AND DETERGENT



PHARMACEUTICALS



CHEMICALS



AGRO – CHEMICALS



CEMENTS



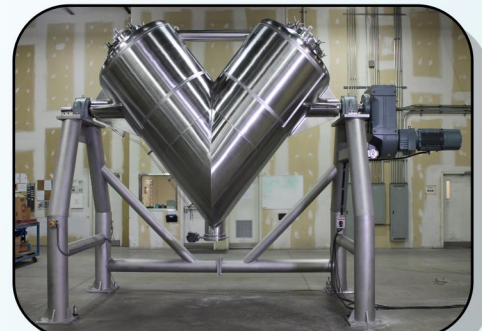
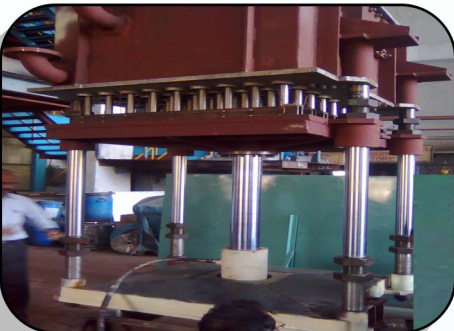
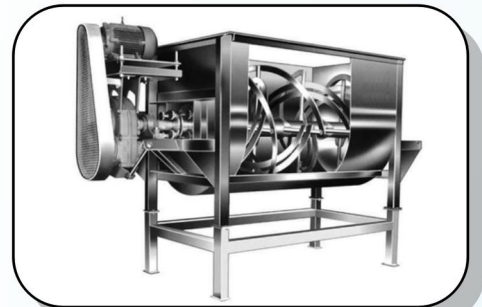
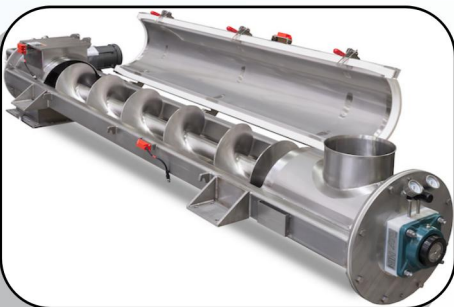
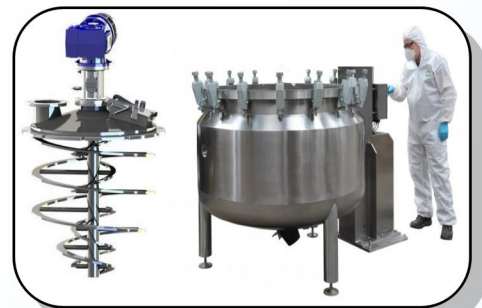
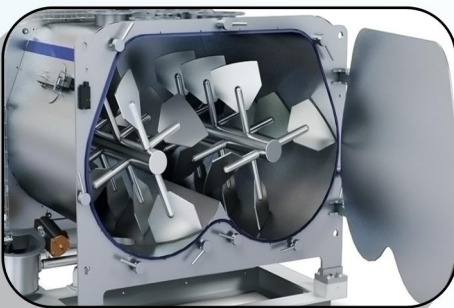
PAINTS



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PRODUCT GALLERY





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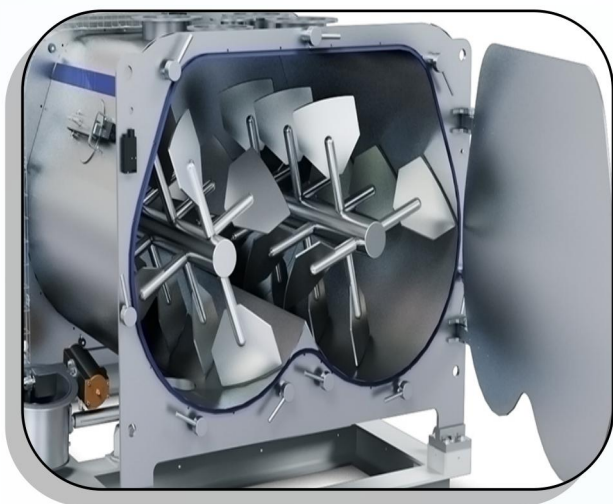


PLOUGH SHEAR MIXER :- Plough Shear Mixer is designed for heavy duty blending of both dry and wet materials. Plough shape shovels mounted on a central shaft with its pointed ends are easily penetrable through the dense powder, pasty mass. The overlapping of shovels coupled with its shape and the high speed of the ploughs produces good mixing action and high turbulence.

Choppers are working in conjunction with the shovels, intensify the mixing process. They are used for dispersing lumps which are either in the original product or which forms during process, they chop pasty additives or prevent the formation of agglomeration when liquid is introduced to the mix.



RIBBON BLENDER :- Ribbon Blender is a light duty blender, useful for easy mixing powder components. it is a LOW SHEAR Mixer, most commonly used for Solid/Solid, Solid/Liquid Mixing and when high shearing force is not required. Its counter flow helicoid flight mounted on shaft ensuring gentle mixing. The outer ribbons of the agitator move the material from the ends to the center while the inner ribbons move the material from the center to ends. Radial movement is achieved because of the rotational motion of the ribbons. As a result of the radial and the counter-current axial movement, homogeneous blending is achieved in short time. It also occupies less head room space for large volume mixing.



PADDLE MIXER :- Paddle Style agitators are specially designed to scoop, lift and tumble materials in a gentle, but thorough mixing action. Paddle mixer consists of several elements: a centrally mounted horizontal shaft that rotates within a cylindrical container, paddles, ploughs or other shaped mixing elements that are attached to the centrally mounted shaft, special openings at the top for feeding materials, flush fitting access doors at the front of the mixer, a flush fitting discharge valve at the bottom of the mixer, which is pneumatically or manually operated, inside a cylindrical conduit and a complete drive unit.



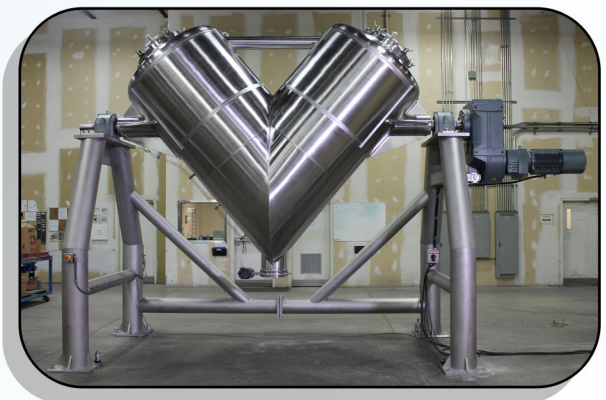
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SIGMA MIXER : - The sigma blade mixer is a commonly used mixer for high viscosity materials. It consist of "W" shaped container made of either Mild Steel or Stainless Steel 304 with or without jacket of Carbon Steel covering two side for heating or cooling application & dust free cover to get Vacuum if desired or normal cover.

The mixing elements (Blades) are of Sigma type Steel casted and duly finished two in number which contra rotate inward fitted at close or specified clearance with the container to give thorough and uniform mixing. There is a Gland pusher of Gun Metal Bush which ensure minimal friction and extend the life of mixing elements (Blades) Shaft.



V-BLENDER : - It is made of two hollow cylindrical shells joined at an angle of 75° to 90°. The blender container is mounted on trunnions to allow it to tumble. As the V-blender tumbles, the material continuously splits and recombines, with the mixing occurring as the material free-falls randomly inside the vessel. The repetitive converging and diverging motion of material combined with increased frictional contact between the material and the vessel's long, straight sides result in gentle yet homogeneous blending. The primary mechanism of blending in a V-Blender is diffusion. Diffusion blending is characterized by small scale random motion of solid particles. Blender

movements increase the mobility of the individual particles and thus promote diffusive blending. Diffusion blending occurs where the particles are distributed over a freshly developed interface. In the absence of segregating effects, the diffusive blending will in time lead to a high degree of homogeneity. V-Blenders are therefore preferred when precise blend formulations are required. They are also well suited for applications where some ingredients may be as low as five percent of the total blend size. Normal blend times are typically in the range of 5 to 15 minutes depending on the properties of material to be blended.



SCREW FEEDER : - A mechanism for handling bulk solids materials where a helix or screw turns inside a hopper moving the materials forward and out of the feeding device into a process.

The feeders can be configured for either continuous or batching operations where materials such as pellets, powders, cohesive or adhesive types need to be fed. Single screw and twin-screw models are also available.



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DOUBLE CONE BLENDER : - Double Cone Blender is an efficient and versatile machine for mixing of dry powders and granules homogeneously. All the contact parts are made of stainless steel. The effective volume for optimum homogeneity is between 35-70% of gross volume. The SLANT double cone design eliminates dead spots which occasionally occur in conventional double cone mixer. It can be used for pharmaceutical, food, chemical, cosmetic products etc.



freely ensuring a rapid and efficient mix.

ROTARY DRUM BLENDER : - The Rotary Drum Mixer is a quick, efficient, and the ideal gentle industrial mixer with a low speed and no moving parts inside the drum. Rotary drum mixers are used all over the world for Tea Blending, Detergent Powder Blending, Seeds Blending and Fertilizers often with optional spray bar for liquid additions. The unique mixing blades are fully welded to the rotating drum and completely fluidise the mixture with every revolution, the combination of low speed and no moving parts within the drum mixer produce a no shear, gentle mixing action. Within the fluidised mixture powders and granules of widely different bulk densities and particle size can move



OCTAGONAL BLENDER : - Due to its octagonal shape is designed to process larger volume of material. It occupies 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. It is very useful for pharmaceutical industries wherein gentle blending of dry granules of powder is to be done. It is a slow speed blender and has removable type baffles mounted on a rectangular shell.

The important feature of the machine is easy to wash in place. Octagonal blender is supplied with a bin charging system or can be designed for vacuum charging. Dust free charging system is also incorporated, which

is a completely closed system for charging and discharging of powders or granules.

The power consumption is comparatively lower than other similar type of blenders. The machine basically consists of shell welded with conical Octagonal shape ends and supported with sturdy supports on both side.



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VERTICAL RIBBON MIXER :- consists of cone & vertical shape vessel body, drive unit, helical blades and chopper. The mixing blade is designed for three-dimensional movement of materials to create helical material upwards flow along the periphery of vessel and gravity downward flow in the center at optimum mixing quality. During this continuous operation, material particles and heat are exchanged quickly which leads to a homogeneous product. Besides, the material particles are mixed with minimal mechanical and thermal stress, which makes this type of mixer a good solution for fragile and heat sensitive product. Vertical Blender can promise perfect mixing homogeneity, even big wide range mixing ratio and complete discharge without any dead space.

Multi functions can also be achieved to perform uniform, fast and contamination-free dry powder mixing, drying, evaporation, heat treatment, reactions, cooling or dosage of active ingredients in a single unit.



SEEDS / TABLETS COATING MACHINE : - Our systems for coating, drying, granulating and pelletizing are used all over the world in the pharmaceutical, chemical and foodstuffs industries. Our Coating Machine are available with 30", 36", 42", 48", 60" or 72", size SS Pan.

Coating Machine is totally enclosed with SS/MS Cladding with standard Gear Box, Motor, and Hot Air Blowing arrangement. Machine is designed with SS/MS fabricated structure and all arrangement – except electric control, air filter and SS Pan are inside the enclosure, which makes simple cleanable outside covering. Machine is mounted on dynamo which avoids foundation.



AGITATOR :- The agitation is achieved by movement of the heterogeneous mass(liquid-solid phase), to the impeller. This is due to mechanical agitators, to the rotation of an impeller. The bulk can be composed of different substances and the aim of the operation is to blend it or to improve the efficiency of a reaction by a better contact between reactive product. Or the bulk is already blended and the aim of agitation is to increase a heat transfer or to maintain particles in suspension to avoid any deposit.

The choice of the agitator depends on the phase that needs to be mixed (one or several phases): Liquids only, liquid and solid, liquid and gas or liquid with solids and gas. Depending on the type of phase and viscosity of the bulk, the agitator can be named mixer, kneader, dough mixer, among-st others.



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GLYCERIN SOAP PLANT :- Soap cooler is an equipment to produce large number of Glycerin soap bars of required shape and size from liquid solution in a short time. The equipment consists of a rectangular tank with top and bottom tube sheets. The tubes are very precisely located and welded to the tube sheets. Center to center of the tubes and parallelism of the tubes is maintained within close tolerances. The elliptical tubes are formed very precisely with close dimensional and shape tolerances. The internal tubes surfaces are finely finished and polished to achieve smooth surface. The mould box is of large capacity and is designed to sustain the internal pressure of circulating water

which flows around the tubes for forced cooling.



OINTMENT MANUFACTURING PLANT :- It is ideal for the pharmaceutical and cosmetic industries for the production of ointment, Ointment Manufacturing Plant creams, tooth paste, lotions and other emulsions and homogenizations. To ease cleaning, efficiency of agitators, ease of maintenance. The combined action of horizontal blade and specially designed anchor ensures most efficient mixing with shearing action of homogenizer, important when working with viscous products.

Ointment plant comprises components such as manufacturing vessel and agitators with flush bottom valve, wax/water phase vessel with side mounted fast speed stirrer, flush bottom valve and conical filter, manufacturing vessel with double speed anchor and fast speed emulsifier fitted with mechanical seal, lifting pneumatically for manufacturing vessel, spray ball on top cover for cleaning main vessel, monitoring of the product temperature with digital indicator on panel, electric control panel board with all necessary controls. Ointment Manufacturing Plant is very useful for creams, lotions, gels, shampoos, tooth pastes and such preparations.



TOILET SOAP PLANT :- Plants and machines manufactured by us are based on proven technologies presently operating successfully, in India and Overseas. Hence, there is no delay in commissioning of plants & machinery manufactured by us. We guarantee 100% hassle free production, from day one of commissioning. The offered products are widely appreciated for their features such as sturdy construction, easy operation, low maintenance and smooth functioning.



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DETERGENT POWDER PLANT : - We are one of the prominent organizations engaged in manufacturing and exporting a wide range of Detergent Cake Plant, Washing Powder Plant, Soap Making Plant. Our expert professionals fabricate these using premium quality raw material, which is sourced from the reliable vendors of the market. These pumps offered by our organization are highly appreciated for their features such as sturdy construction, noiseless & vibration-free operation and low maintenance.



STORAGE TANKS :- Our product range includes a wide range of Storage Tanks such as Milk Storage Tanks, Juice Storage Tanks, Water Storage Tanks, Solar Water Storage Tanks, Low Pressure Water Storage Tanks, High Pressure Storage Tanks and many more items.

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