



MANUFACTURES OF
EQUIPMENTS
FOR CHEMICAL
& PHARMACEUTICAL
INDUSTRIES

about us

Pharmaceutical Machine, Industrial Safety Equipment
Manufacturers and Dealers in Mumbai.

Industrial Equipments is established in September 2000, basically started as Manufacturing & Designing of Pharma and chemical Process equipment, the manufacturing unit located in Thane.

The industrial equipment manufacturing industry makes activities across many other industries possible, supplying companies with highly specialized products and services such as maintenance and repair. The market is very competitive, with manufacturers seeking to anticipate demand to deliver products to reduce production time and offer increasing services. Challenges to the industry include climbing costs for raw materials and environmental regulations such as emission control.

Machinery manufacturing made the industrial revolution possible and continues to fuel advances in economic and technological development. Machines and parts produced by the industry are used in other sectors, for example industrial turbines and mining equipment. The industry also produces parts for consumer products, such as lawn mowers and refrigerators. The industry's workforce is skilled, needing some form of higher education to attain their expertise. Around 50% of workers in the industry are production workers.

www.industrialequipments.net

Mission

Our mission is to grow with the upcoming industry by enhancing our innovation and implementing new technologies to produce CGMP machines in India.



Vision

Our vision is to be a worldwide leading Company dealing in machines & to become a significant global player by providing high quality, affordable & innovative solutions in the Pharmaceuticals and Chemical Companies.

Strategy

With the success of our company built on long experience and excellent after-sales service, it is no wonder we have become a trusted name in the pharmaceutical formulation industry.

Services

- Mixers & blenders such as Conical , Double-cone, Octogonal , Y or V, Cube, Planetary.
- Ribbon for mixing free flowing mixers.
- Vacuum and jacketed mixers such as Planetary , Contra rotory ,& Fryma.
- Sigma and Forburg type mixers for Soap and Adhesive Industires.
- Jacketed and Vacuum dryers such as Nauta(Conical).
- Tooth paste Plant , cream and cosmetic plant equipment.
- Chicken feed plants.
- Adhesive and silicon sealant mixing plant.
- Tooth powder and Talcum Powder plants.
- Tanks and vessels.



CHEMICAL

WE SERVE



PHARMA



INDUSTRIES

Products



Nauta Mixer/ Conical Screw Mixer

The Nauta/conical mixer relies on a three dimensional action produced by a turning screw which itself rotates around the wall of a conical vessel.

Features

- Gentle action on the product through low power consumption.
- Fast mixing times with a high degree of mixing accuracy.
- Minimum heat generation.
- Self emptying with minimum product retention.
- Volumes range from 50 - 15000 litres.

Applications

- Mixing and Blending of powders.
- Addition or injection of liquids in to dry Powder.
- Granulation or agglomeration of powders.



Double Cone Blender

DOUBLE CONE BLENDER OPERATION: The Double Cone Blender is an efficient and versatile machine for mixing dry powder and granules homogeneously. ... of the volume of the Cone Blender is filled to ensure proper mixing. It can be used for Pharmaceutical, Food, Chemical and Cosmetic products etc.

The field of usefulness of Double cone, blending and efficient is unlimited. As blender gently revolves a folding, spreading action ensures thorough uniform mixing, irrespective of material proportions or number of materials charged.

Features

- GMP compliant.
- Contact parts manufactured in Stainless Steel.
- The "Double Cone" ensures good rolling and Cross mixing.
- A-shaped frames provide stability of structure.
- Main drive provided with Variable Frequency Drive to control Blender RPM.
- Smart-stop arrangement to ensure that the Blender always stops in an upright position.
- Internal baffles ensure good blending and break lumps.
- Guard rails are provided with limit switch for safety.

Products



Nauta Dryer / Conical Screw Dryer

The Nauta and conical screw vacuum dryer is a universal batch dryer suitable for drying materials such as powders, granules, pastes and viscous slurries, especially when products are heat sensitive, contain solvents and are toxic or explosive.

Nauta dryer is a kind of conical vacuum dryer, there is an agitator inside the cylinder to stir the raw material, which could reach GMP standard, is widely used for pharmaceutical, biological, chemical and food industries. And it is suitable for drying and concentrating liquid, filter cake, powder and particle material.

Conical screw vacuum dryer is a universal batch dryer suitable for drying materials such as powders, granules, pastes and viscous slurries, especially when products are heat sensitive, contain solvents and are toxic or explosive.



Rapid Mixer Granulator

Mixers engineered specifically for high shear blending, kneading, granulating need of pharmaceutical industry. Consistently identical batches are produced with shortest batch time & hence minimal energy consumption.

The main impeller having precise minimal clearance with flat bottom of processing bowl in combination with chopper mounted on side wall, gives desired high shear mixing.

Features

- GMP Compliant Model.
- Flame proof construction.
- Customised Layout.
- Unit with peristaltic pump for binder solution spray.
- Direct-coupled motor for belt less drive.
- Mechanical seal at chopper & Main Motor.
- Vacuum Transfer Arrangement to load Raw material.
- Unit with loading through inbuilt mechanical loader.

Products



Rotary Cone Vaccum Dryer

Wet feed is charged as a batch and is subjected to indirect heating while undergoing agitation due to the action of paddle mixing. The operation is normally carried out in vacuum. Recovery of solvent is possible by condensing the vapours generated during the drying operation.

The vacuum inside the dryer allows vapours to be removed at low temperatures, which makes the conical screw vacuum dryer ideal for drying heat-sensitive products. The vapours are removed through a dust filter fitted on top of the vessel.

Features

- High energy efficient .
- Mode of heating is indirect.
- Conduction drying.
- System is batch .
- Granular / pasty wet materials can be handled.
- Low temperature operation is possible.
- Solvent recovery can be carried out.



Ribbon Blender

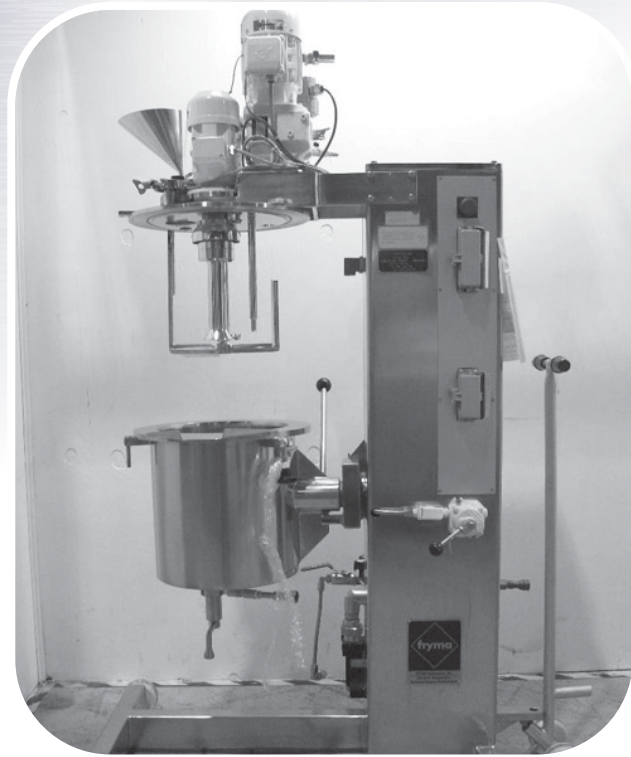
The main impeller having precise minimal clearance with flat bottom of processing bowl in combination with chopper mounted on side wall, gives desired high shear mixing.

The most effective design of ribbon layout is the double spiral in which the outer ribbon moves the product in one direction and the inner ribbon moves it in the opposite direction. The ribbons rotate and move materials both radially and laterally to insure through blends in short cycle times.

Nauta dryer is a kind of conical vacuum dryer, there is an agitator inside the cylinder to stir the raw materials, which could reach GMP standard, is widely used for pharmaceutical, biological, chemical and food industries. And it is suitable for drying and concentrating liquid, filter cake, powder and particle material.

The thermal energy needed for drying is introduced into the product through a heated jacket that can be heated by various media including steam, hot oil and water. The jacket provides rapid distribution of heat into the product in combination with efficient mixing.

Products



Paste Mixer

Planetary mixers both single blade mixer and double blade mixer offers solutions to wide range of mixing problems. These mixers are designed for intensive mixing, dispersing & kneading of products such as adhesives, sealants, light caulks, pastes, coatings, granulations and similar products of medium to high viscosity.

These mixers are based on the principle of the rotation of the planetary blades on their own axis while they travel around the center of the mixing bowl which ensures complete and effective mixing. The mixers are manufactured to rigid standards with many features and options available.

Features

- Single or Double blade arrangement.
- Scraper blade.
- Single base structure to for simplicity in mounting.
- Lift hydraulically operated.
- Durable planetary gears for long life.
- Heating, Cooling or Vacuum Construction.



Contra Rotary Mixer

Contra rotary movement of the beaters (agitator) for intimate mixing a wide range materials has been employed with advantage in the industry. Contra Rotary Mixers with judicious choice of beater and its speed meet mixing requirements of difficult liquid to liquid, liquid to solid and solid to solid blending irrespective of difference in specific gravity, shape, viscosity and proportion of constituents. Besides charging and discharging of the material under process is quick.

The bowl can be jacketed for cooling and heating and also provided with a conical cover to avoid dusting and spillage. The operations that can be carried out are mixing, kneading, emulsifying, cutting, etc.

Applications

- Pharmaceuticals
- Cosmetics
- Food and confectioneries
- Soaps
- Pesticide
- Colour and pigments
- Plastic and p.v.c. adhesives and coating compounds
- Detergents
- Ceramics

Products



Cream Mixer

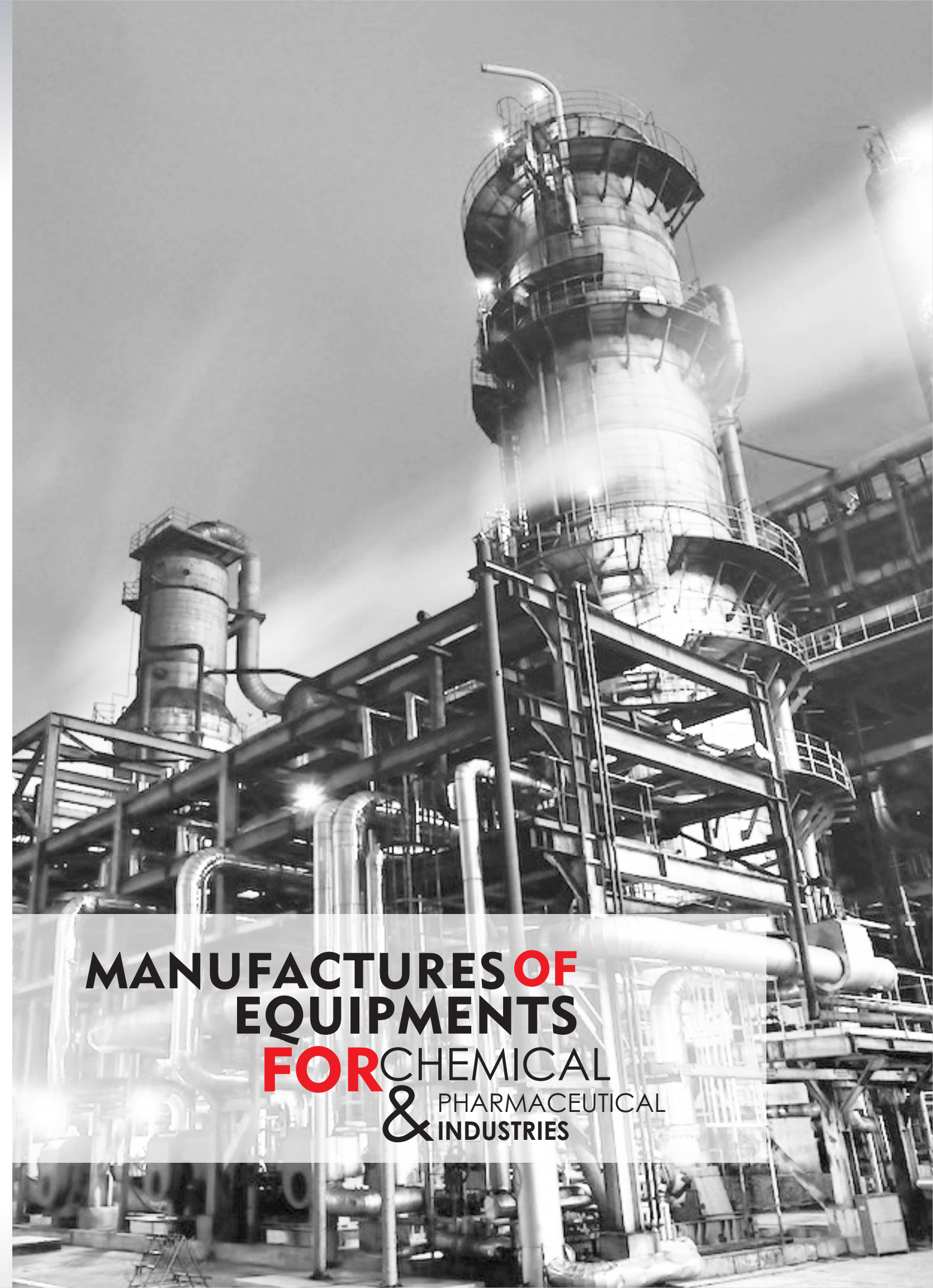
Cream Mixer are used for production of cosmetics, gels, creams, lotions and balms. Multi shaft mixers or multi motion blend tanks are often used for the most effective mixing by using a combination of high viscosity blending, and turbine agitators or high shear mixers. with capacity of 5 litres to 10000 litres.

We know that the mixing challenges of the food and beverage industry are unique and constantly changing. That's why our experts will work with you to make sure you get the right mixer for your specific use. Whether you're concerned with reducing production times, process hygiene, powder/liquid mixing, producing stable emulsions, dissolving sugar, disintegrating solids, blending liquids of different viscosities or dispersing and hydrating gums, thickeners and stabilizers, Silverson has a mixing solution for you.

Features:

- The Chemical Industry.
- The pharmaceutical Industry.
- The Food Industry.
- A-shaped frames provide stability of structure.
- The Animal Feed Industry.
- The Plastic Industry.
- Colours and Lacquers.
- Metallurgy.
- Milling.

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Products



Fermenter

The steam seems to be used to prevent contamination in/from inlet/outlet pipes. A fermentor or fermentation chamber is a type of bioreactor for containing and controlling fermenter microorganisms. Fermentation is an economical route to important raw materials (ethanol, lactic acid) and fermented foods.

Features

- The power consumption should be minimum.
- It should provide easy and dependable temperature control.
- Facility for sampling should be provided.
- Evaporation losses should be as low as possible.
- There should be adequate service provisions for individual plants.



Heat Exchanger

We are engaged in manufacturing heat exchanger and condenser which is known for its effectual functioning among our valued clients. Qualitative material is used in the production of our gamut. It is manufactured in compliance with client Specifications and can be delivered within stipulated time frame. The various types of heat exchangers offered by us.

Features

- Like, One Pass
- Two Pass
- Three Pass
- Four Pass
- Split flow
- Cross flow with removable changes floating head.
- Bonnet and kettle type reboilers with u tube bundle.

Capacity

We offer these exchangers in a lot of different ranges. There is no certain capacity specification. Superior quality of materials are used to manufacture these including MS, SS304, SS316, SS316L. These are usually available in horizontal, vertical, coil type and many more other forms.

Products



Storage Tank/ Pressure vessel

We fabricate qualitative range of storage tanks which are highly effective and safe to use. These are offered in various materials which include:

Various types of Storage Tanks which include

- Capacity any.
- Conical top.
- Flat bottom with hand railing, platform, ladder, ladder cage manholes.
- level Indicator, floating Roofs.
- Internal heating coil arrangement.

Capacity

Moreover, it is manufactured in accordance with client requirement and can be delivered within stipulated time frame. Below mentioned are its specifications:

- Conical top.
- Working temperature up to: Atm To 200 Deg cent
Radiography, X-ray - 100%.
- Codes API, IS 803 ASME.



U -Tube High Pressure Heat Exchanger

U-Tube Heat Exchangers for water to water or steam to water HVAC, plumbing or process applications. NPT or flanged heads, Diamondback double wall construction to prevent cross-contamination. SU, WU, DSU and DWU, TCW, TCS and TS tank heaters.

Energy recycling modules and high temperature heat exchangers for a range of functions precisely tailored to your system requirements. Discover your benefits here and contact us to find out what solutions we can offer you

Features

- Compact modular design.
- Temperature range from 200°C to 650°C.
- Pressure resistance up to 60 bar.
- High-grade, fully welded stainless steel.
- Low pressure-drop.
- Small pinch temperature.
- Two-phase fluid compatible (evaporator).
- Certified design and production (ASME, PED, Ad2000).
- Complete separation of vapour from liquid (phase separation).

Products



Screw Conveyor

A screw conveyor or auger conveyor is a mechanism that uses a rotating helical screw blade, called a Flighting, usually within a tube, to move liquid or granular materials. They are used in many bulk handling industries.

We are a distinguished manufacturer of screw conveyors that can be used in all types of process industries. These screw conveyors are easy to maintain and can withstand all types of weather conditions. Our range of screw conveyors are well designed and is available in different specifications as per requirement of the industrial client.

Features

- Sturdy Construction.
- Capacity to carry huge load.
- Less wear and tear.



Filter

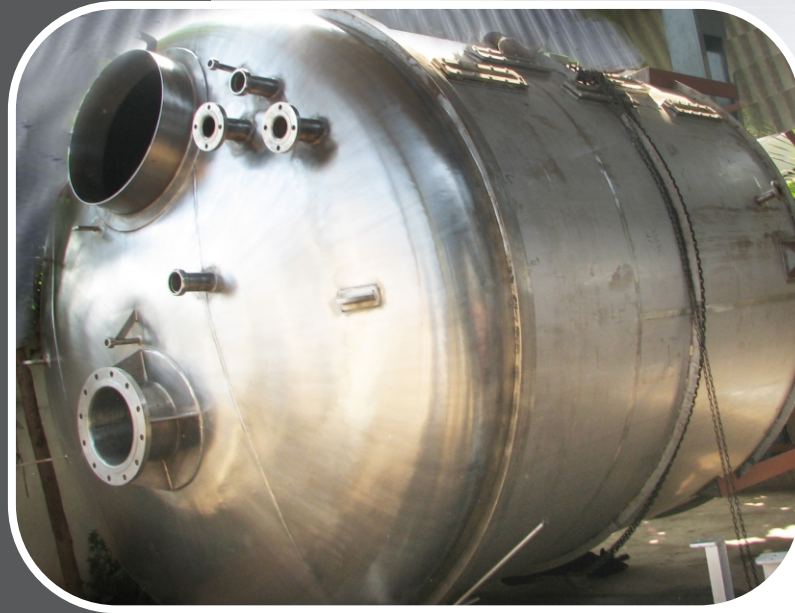
Filtration at an industrial level requires highly developed, custom-made filter systems that are not available off the shelf and go far beyond the characteristics of conventional household filters. Industrial filters always have to be designed for specific tasks, system properties and operating conditions.

Our engineering expertise and sophisticated technological knowledge enable us to design specific mechanized Filter in different dimensions.

Features

- Leak proof.
- Designed for easy basket removal.
- Various basket options.
- 'Out to In flow' or 'In to Out' flow.
- In-line filter, fabricated type.

Products



Reactor

Industrial Reactors are reactors with a second pressure enclosure applied generally to the outside of the equipment shell, to either provide cooling Industrial reactors with the full range of options, including conventional jackets, half pipe coil jackets or dimpled jackets.

Our range of products include Chemical Reactors, Chemical Vessel Reactor, Industrial Reactors, MS Reactor, Pressure Chemical Reactor and Process Reactors.

There are a wide variety of reactors in use in the chemical processing industry. The list of photos (above) is just a small sampling of these reactors, and we have received permission from the respective companies to show them to you here.



Shampoo Mixer/Lotion

Shampoo is defined as a preparation of a surfactant (surface active material) in suitable form liquid solid or power which when used under the conditions specified will remove surface grease, dirt an skin debris from the hair shaft and scalp without affecting adversely the hair, scalp or health of the user.

Shampoos are of various types and forms on the basis of physical appearances, constituents and properties. Various forms are as under:

Features Of Filter

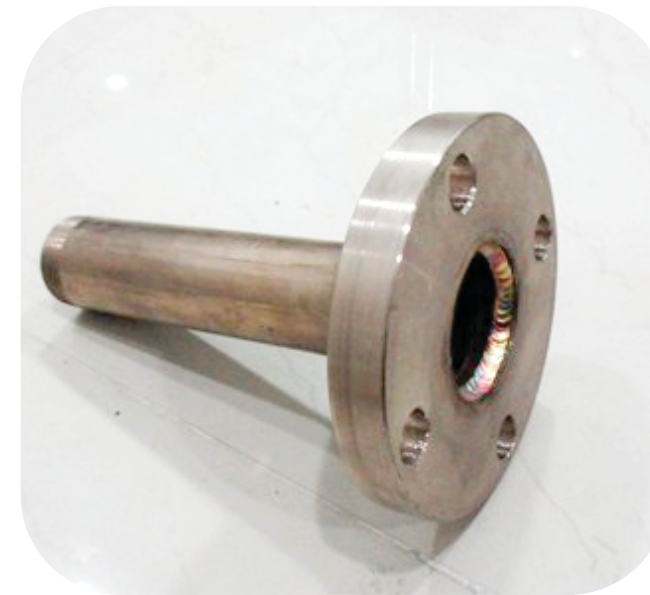
- Liquid clear shampoos.
- Liquid cream or cream lotion shampoos.
- Cream paste shampoos.
- Egg shampoos.
- Dry shampoos & liquid dry shampoos.
- Baby shampoos.

Products



Silo

A silo is a structure for storing bulk materials. Silos are used in agriculture to store grain or fermented feed known as silage. Silos are more commonly used for bulk storage of grain, coal, cement, carbon black, wood chips, food products and sawdust.



Faros / Non-Faros Material Fabricator

Faro tech redefines design, prefabrication collaboration. By ... team, CWKA teams set out to understand the workflow, materials and fabrication process. ... "Every platform does some things great and other things not-so great."



Silo

A tall cylindrical structure, usually beside a barn, in which fodder is stored.

A pit dug for the same purpose.

An underground shelter for a missile, usually equipped to launch the missile or to raise it into a launching position.

 **INDUSTRIAL**
Equipments . we deliver quality.....

Products



Hopper

A hopper is a funnel-shaped device used to move material from one receptacle to another. Solid, grain-like substances could also be moved using a hopper. Many factories will have hoppers as part of their machinery too.



Vibro Shifter

SS Shifter have a mild steel base, which prevents them from getting corroded despite repeated exposure to moisture and humidity. Sturdy and durable in their design, these shifter are an extensively used product in the pharmaceutical sector. Their affordable prices have led to a spike in their demand.



Manifold

A hydraulic manifold is a manifold that regulates fluid flow between pumps and actuators and other components in a hydraulic system. It is like a switchboard in an electrical circuit because it lets the operator control how much fluid flows between which components of a hydraulic machinery.

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Certificates



URS is a member of Registrar of Standards (Holdings) Ltd.



URS is a member of Registrar of Standards (Holdings) Ltd.

Client



Thanking you
for being our client



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