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KWICK PHARMA

Manufacturer Of Pharmaceutical & Chemical Machineries





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ZERO HOLD UP FILTER PRESS

CAPACITY :

8", 14", 18", 24", 33"

SALIENT FEATURES :

- Single pass filtration with no solids bypass.
- Full batch recovery with no extra scavenging system required.
- Proper sealing which allows the filtration of volatile, toxic & inflammable products.
- No solids inside the filter vessel.
- Cake solids can be maximum dried with N₂.
- Complete cake retains over the plate surface.
- Uniform distribution of cake on each plate.
- Filter ranging from 8" diameter to 33" with variable number of plates.



RAPID MIXER GRANULATOR

CAPACITY :

25 Ltrs. to 1500 Ltrs.

SALIENT FEATURES :

- In compliance with CGMP Guidelines.
- All contact parts are made of SS 316.
- Perfectly engineered mixer & chopper for uniform and homogeneous mixing of substances.
- Shorter mixing and granulating time.
- Designed for optimum use of bowl capacity.
- Effective sealing for leak proof operation.
- PLC based operations with color HMI (Optional).
- Variable frequency drives for both motors (Optional).
- In-line co-mill (Optional).
- Flam proof electrical (Optional).
- Pneumatic lead opening.
- Binder spraying system (Optional).
- Mechanical seal for chopper and impeller motor (Optional).





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MULTI MILL

CAPACITY :

1 HP, 3 HP, 5 HP to 15 HP

SALIENT FEATURES :

- cGMP construction with easy dismantling of product contact parts for ease in cleaning.
- Designed for continuous operation.
- Cylindrical screen for higher output.
- Castors provided for mobility.
- Flame Proof or direct driven machine with VFd can be provided upon request.
- Direction of beaters can be changed by reversible switch from knife to impact forward and vice-versa.
- SS 316 beaters and scraper blades.
- Direction of the beater can be changed by reversible switch for knife-edge & vice versa.
- Available in STD / GMP / cGMP & Lab Models.
- Beaters/scraper blades are hardened for a specific application.



VIBRO SIFTER

CAPACITY :

12", 20", 30", 36", 48", 60" & 72"

SALIENT FEATURES :

- Noiseless & maintenance free machine for high speed sieving.
- Compact & portable foot print.
- All contact parts and screen is made of SS 316.
- Very less power consumption.
- Designed for quick and easy dismantling of contact parts for cleaning.
- Double & Triple deck options available (Optional).
- cGMP construction with easy dismantling of product contact parts for ease in cleaning.
- Designed for continuous operation.
- Dust Free operation.
- Cylindrical screen for higher output.
- Castors provided for mobility.
- Flame Proof construction can be provided upon request.
- Lead free sieves of required mesh size can be provided.





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FLUID BED DRYER

CAPACITY :

10 Kg. to 500 Kg.

SALIENT FEATURES :

- cGMP construction with SS 316 product contact parts
- Uniformity in drying and reduction in drying time.
- Infinitely controlled manual dampers to control inlet and outlet air flow.
- Digital temperature indicator cum controller for inlet air & digital temperature indicator for outlet air, to monitor the temperature of inlet and outlet air.
- Option for 3 stage filtration with option to install blower and heating system in services area.
- PLC based control system with various options can be provided, upon request.
- Options available to install blower & heating system in services area.
- Pneumatic system for container sealing and finger bag shaking.
- An explosion flap of adequate capacity and an earthing point to prevent static charge in the machine.



TRAY DRYER

CAPACITY :

6 trays. to 192 trays.

SALIENT FEATURES :

- In compliance with cGMP guidelines.
- Modular design makes it user friendly.
- Accurate Temperature Control within $\pm 2^{\circ}\text{C}$.
- In built WIP (Wash in Place) system with pump.
- Easy to clean & maintain with less changeover time.
- Quick release plenums for easy cleaning of fan & plenums.
- Leak proof sealing of doors ensures efficient operation without any energy loss.
- Fully automatic operation through PLC with color HMI.
- 3 Stage AHU with D.P Gauge & 45mm puff insulation.
- Sugar dosing system (Optional).
- Interchangeable pans (Optional).
- Flame proof design (Optional).
- Wet scrubber at exhaust (Optional).
- Inlet & outlet duct (Optional).





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VACUUM TRAY DRYER

CAPACITY :

6 trays. to 96 trays.

SALIENT FEATURES :

- Vacuum tray dryer is the most commonly used batch dryer.
- They are either box-shaped or cylindrical shaped loaded and unloaded via a door.
- Inside this contains several heating plates mounted one above the other on which the product is placed in trays.
- The Top of both heating plates (Shelves) and the bottom of heating shelves trays should be as smooth as possible to permit optimal heat transfer between plates and products.
- The medium flowing through the heating plates is water, steam, or thermal oil.
- The distance between the heating plates is determined primarily by the surface loading and the foaming of the product.
- To avoid retrograde condensation, the cabinet walls are indirectly preheated by limpet coil provided on the outer side of the body (Optional).



DOUBLE CONE BLENDER

CAPACITY :

50 Ltrs. to 3000 Ltrs.

SALIENT FEATURES :

- Extensively used in pharmaceutical, food, chemical and cosmetic industries these machines are ideal for:
- Dry powder mixing for tablets and capsule formulations.
- Dry granules sub lots mixing to increase the batch size at bulk lubrication stage of tablet granules.
- All the contact parts are made of stainless steel such as SS 304 or SS 316.
- The effective volume for optimum homogeneity is between 35-70% of gross volume.
- The working capacity can be exchanged to 80% of gross capacity by validated study depending on the product.
- 'Slant' designed (off centre Double Cone Blender is also available.)
- The SLANT double cone design eliminates dead spots, which occasionally occur in conventional double cone mixer.
- The conical shape at both ends enables uniform mixing and easy discharge.





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OCTAGONAL BLENDER

CAPACITY :

50 Ltrs. to 8000 Ltrs.

SALIENT FEATURES :

- Octagonal Blenders are made with superior quality raw material that efficiently processes large volumes of product. Crafted to perfection, these machines are octagonal and compact in size compared to a 'V' shaped or double cone blenders. Moreover, Octagonal Blenders are in high demand on the global market owing to its less power consumption, low blending speed and being well balanced even in higher capacities.
- All contact parts are made in stainless steel grade SS 316 or SS 304.
- The octagonal shape is rectangular in centre and is equipped with a conical discharge frustum and rectangular top frustum.
- Baffles are provided in the shell.
- All moving parts are enclosed within guards and a manhole with gasket is provided to fix the baffles and also to facilitate the ease of cleaning the shell.
- A safety railing with a limit switch is provided for safety.



COLLOID MILL

CAPACITY :

1 HP, 3 HP & 5 HP

SALIENT FEATURES :

- All contact parts are made out of SS. 316 & Non Contact Part SS 304 Qlty.
- Coupling provided between motor shaft & rotor shaft for ease in maintenance.
- Three oil seals between the Motor & the processing chamber to prevent liquid going in the motor winding, Resulting in the burning of the motor.
- Modified design of semi concave teeth in rotor & stator reduces the motor HP & gives better performance in size reduction without damaging the product.
- Extended bearing housing specially designed to facilitate fine adjustment of bearing clearances or back lash to avoid metal to metal contact of rotor & stator. This unique design provides smooth & consistence all round performance & ong life of rotor & stator.
- Leak proof neoprene sealing device.





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INLINE HOMOGENIZER

CAPACITY :

3 HP, 5 HP, 7.5 HP, 10 HP to 20 HP

SALIENT FEATURES :

- Design is cGMP with all contact parts AISI 316.
- Capacity up to 5,000 liters.
- Single-pass processing results in reduced batch times by up to 80% and repeatability batch-after-batch.
- Energy savings when compared with in-tank mixers, colloid mills and homogenizers.
- Increased capacity when compared with colloid mills and homogenizers.
- Improved product quality and shelf-life stability.
- High Differential Velocities.



COATING PAN

CAPACITY :

8", 12", 24", 36", 42" & 48"

SALIENT FEATURES :

- The plan of this sort of tablet coating machine is with the end goal that there is a roundabout metal pan whose measurement may go from 6 to 80 inches (15 to 200 cm). The dish is somewhat inclined to an edge of about 45°C to the seat top. The standard covering dish has an electric engine that turns the round metal skillet on a level plane to its pivot. It is the movement of this skillet that makes a cluster of tablets tumble.
- Again the traditional pan framework has an inlet for air to get in.
- Now and again, exceptionally high temperature may break down or debase basic constituents of the tablets.
- The hot air dries the covering of the tablet.
- Once more, during the procedure, all fumes air will leave the framework through the front segment of the standard covering the container.
- This air leaves by methods for the channel framework.
- This machine utilizes showering or spooning components to gracefully the covering arrangement. That is, as the round metal dish pivots, the standard coating system will start to coat the tablets.





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STARCH PASTE KETTLE

CAPACITY :

50 Ltrs. to 500 Ltrs.

SALIENT FEATURES :

- The kettle is in the shape of a bowl with a sprout. It is provided with a electric / steam jacket. The bowl is provided with a manual tilting arrangement for removing the material from the bowl. The complete unit it mounted on a suitable S.S. tubular stand. The kettle is provided with a suitable slow speed stirrer with geared motor mounted on the top. It is available from 50 Ltrs to 500 Ltrs. Capacity.
- The starch paste kettle is a specially designed unit for preparation of binder material.
- It is a hemispherical kettle with jacket mounted on trunnion supports with the help of shaft.
- The kettle has a small cylindrical top shell with a spout for pouring out binder mass.
- The kettle is provided with Anchor type beater for paste mixing with dual speed option.
- Jacket is provided with steam accessories i.e pressure gauge.
- Safety valve and vent cock.



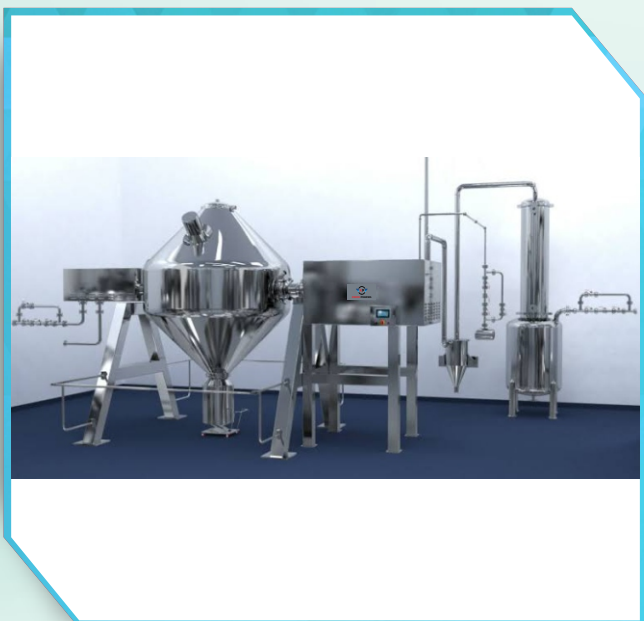
ROTOCON VACUUM DRYER

CAPACITY :

50 Ltrs. to 3000 Ltrs.

SALIENT FEATURES :

- ROTATING CONE WITH VACUUM DRYER is high precision low temperature vacuum Drying. The Rotated Double Cone Vacuum Dryer is suitable for drying the material which operates at low Temperature, easily oxidized, poisonous in nature. The drier is advanced in design, simple in inner structure, easy for cleaning, to discharge all raw materials, convenient in operation and improving work environment. Meanwhile raw material is rotating accompanying with the rotating of container; raw materials cannot be accumulated onto the wall of container, so it has high efficiency heat transfer and high speed drying which save energy.
- Granular / pasty wet materials can be handled.
- Low temperature operation is possible.
- Solvent recovery can be carried out.
- System is batch.
- High energy efficient.
- Mode of heating is indirect.
- Conduction drying.
- Closed operation.





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AUTO COATER

CAPACITY :

12", 24", 36", 48"

SALIENT FEATURES :

- "Auto coater" is used to coat tablets, pills, candies, granules, sweets with sugar film, an organic film, and aqueous coating in the Pharmaceutical and food industry. we are well known for auto coaters manufacturer in india and mumbai.
- The tablet to be coated makes a continuous complicated orbital motion the closed rotating Drum under the action of a streamline of Baffles. During the movement, the coating medium automatically sprays according to the technological process and rational technical parameters. At the same time, hot filtered air is supplied under negative pressure.
- The hot air penetrates through the tablet's core layers. It is discharged from the bottom of the layers. The coating medium sprayed on the tablet cores' surface will dry rapidly and evenly, forming a stable and smooth surface film on the tablet.



S.S TANK

CAPACITY :

50 Ltrs. to 5000 Ltrs.

SALIENT FEATURES :

- Material Of Construction: SS 316 or SS 304 with Non Contact Parts - SS 304
- Conform to GMP / WHO / USFDA norms.
- Bottoms & Lids manufactured by Die-Punch having to irregular bends and corners.
- Sturdy and long lasting handles (available both in fixed and collapsible handles).
- Corrosion Resistant, rust proof and hygienic.
- Internal Graduation grading for precision capacity measurements (calibration optional).
- Suitable for clean room, production area, washing area, workers change room, warehouse, etc. in pharmaceutical, food, herbal, chemical industries where rust free metal objects are required for contamination free environment.
- Optional: Stackable design and toggle clamps for locking lid.
- Available in range of standard sizes and ex stocks.





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RIBBON BLENDER

CAPACITY :

50 Ltrs. to 6000 Ltrs.

SALIENT FEATURES :

- Ribbon Blender comprises of a U-shaped horizontal trough and a specially designed Double Helical Ribbon Agitator rotating within. Ribbon Blenders are based on a proven agitator construction that provides a triple mixing action ensuring fast, efficient blending. The dimensions and configuration of the ribbons are carefully balanced to provide a movement of material within the container that avoids dead spots and gives rapid product discharge.
- Available in all grades of stainless steel, carbon steel and special alloy steels. Ribbon agitator for center discharge.
- Designed for atmospheric operation. Top cover depending on the length of the blender.
- Centrally located Flush bottom discharge valve. Stuffing boxes with easily disassembled housings.
- Pure Teflon gland packing provided. Stainless steel surfaces are polished to desired standards.



OINTMENT MANUFACTURING PLANT

CAPACITY :

100 kg. to 1500 Kg.

SALIENT FEATURES :

- We are amongst the reputed manufacturers and exporters of Ointment Manufacturing Plant. Designed to perfection, the plant is extensively used for manufacturing pharmaceutical ointments, cream, sterile preparations, cosmetic, suspensions and gels. For optimum performance, the plant is provided with water phase vessels, main manufacturing vessel and pre-mixing wax. For emulsifying, the main vessel is provided with bottom high-speed homogenizer and slow speed anchor agitator for mixing.
- Available in batch capacities from 100 kgs to 1500 kgs.
- Completely untouched process, hence less chance of contamination.
- Jacketed vessels for heating/cooling processes.
- Centrally located control panel for ease of operation by a single operator.





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V BLENDER

CAPACITY :

50 Ltrs. to 1500 Ltrs.

SALIENT FEATURES :

- V Blender designs are most often used for the intimate dry blending of free-flowing solids. The solids blended in these units can vary in bulk density and percentage of the total mixture. Materials are combined and frequently split and intermixed as the shell rotates. Standard cycle times are typically in the range of 15 minutes. However, they can be less depending on the difficulty of blending.
- Suitable for dry mixing of products in powder form.
- Easy for loading and unloading.
- All contact parts are made out of SS 304 / SS 316 or SS 316 L quality material, as per customer requirement.
- Simple design requires minimum maintenance.
- General structure & safety guards made out of mild steel & colored in Standard Model and made out of SS 304 & polished to the matt finish in GMP Model.
- The "V" shape gives sufficient continuous movement to the granules, result in good quality.



PLANETARY MIXER

CAPACITY :

15 Ltrs. to 1500 Ltrs.

SALIENT FEATURES :

- Planetary mixers are an ideal mixer for the products of different viscosities, densities, shapes & proportions. The major uses include the production of latexes, dispersion & microdispersion of chemicals, explosive & agricultural pesticide formulations. It is suitable for mixing / blending powders as well as thorough mixing of ointments, creams, lotions, toothpaste, resins, slurries, ceramics, colors, pigments, rubber & other compounds.
- Provision to mix Products under vacuum for de-aeration purpose.
- Teflon scrapers are provided to avoid localized heating or cooling & ensure uniform mixing.
- Top drive & agitator assembly can be lifted & lowered by motorized as well as hydraulic systems.
- A smaller version of planetary Mixer is Provided with a manual lifting arrangement for the bowl instead of top drive & agitator assembly.
- The pneumatic system is also available for lifting & lowering top drive & agitator assembly for smaller versions of Planetary Mixers.
- Different designs of beaters are available to suit the mixing requirements of a wide variety of materials.





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www.kwickpharma.com

 **+91 96573 34709 | +91 98605 92478**

 **sales@kwickpharma.com**

**Gupta Industrial Estate, Survey No.106, Richard
Compound. Manicha Pada, Vasai Phata, Vasai (E), Palghar (MH) - 401 208.**