





**H ONE GLOBAL
TECHNOLOGY**
PRIVATE LIMITED

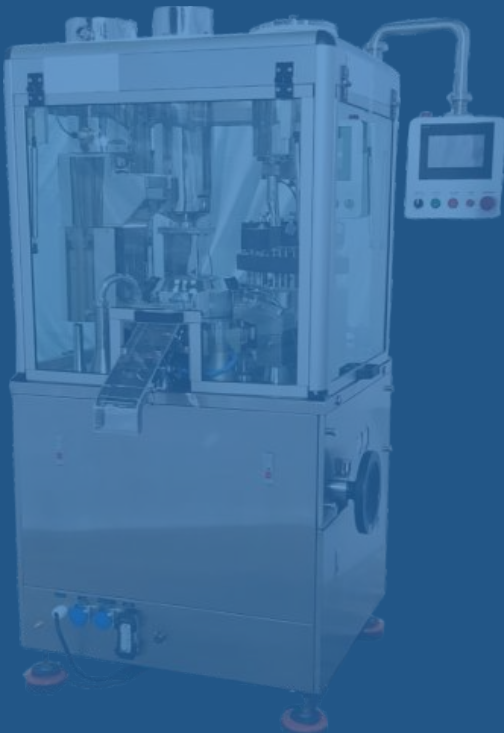


Manufacturer And Supplier Of Pharma Machines, Change
Parts, Spare Parts, SS Furniture, Electrical Panels,
Consumables Etc.
Third Party Inspection & acVuum Packing

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Semi - Automatic Filling Machine

Encapsulation Machine

Reliability, speed, performance and flexibility; these are the attributes associated with capsule fillers manufactured by H.B.S FAB offers you both solid and liquid encapsulation technologies. Our automatic, semi-automatic and manual capsule-filling machines are capable of filling a wide range of capsules from size 000 to size 5. The output range varies from 6,000 to 150,000 capsules an hour. Each is available with productivity enhancing features that allow them to be handled by a single operator. For liquid filled capsules, band-sealing machines also are available to help you comply with regulations for OTC products.

H.B.S brings its capsule manufacturing experience and expertise in formulation handling to bear in the design and set up of our machines. Our machines offer the highest level of integration between capsules and filling machines and the lowest capsule rejection rate in the industry. They also feature a unique filtration system ensuring significantly lower fugitive dust, a feature that creates a healthier environment for your operators and potentially saves you thousands of dollars in product loss.



HFA- 40T Automatic Capsule Filling Machine

Output :

Up to 40 000 capsules per hour for powder filling.
Up to 40 000 capsules per hour for pellet filling.
Up to 35000 capsules per hour for tablet or combination

Vacuum Required :

900 l/min at 600mm of mercury (capsule separation).
150 l/min at 600mm of mercury (powder bed).
2800 l/min at 500mm of water.

Compressed Air Required : 200LPM at 5-7 kg/cm

Dimensions : 1610mm x 1290mm x 1950mm (LxWxH)

Weight : 1250 kg.

Shipping Dimensions : 2140mm x 1600mm x 2300mm (LxWxH).

Shipping Weight : 1500 kg.



HFA- 90T Automatic Capsule Filling Machine

Output :

Up to 90 000 capsules per hour for powder filling.

Up to 80 000 capsules per hour for pellet filling.

Electric Supply : 415V, 3 Phase, +N +E, 50 Hz, A.C.

Main Motor : 1,5 kW (2HP) at 1440 rpm

Vacuum Required :

1000 l/min at 26" of Hg for capsule separation.

2800 l/min at 4" of Hg for cleaning. Compressed Air : 300 LPM at 6 kg/sq.cm

Dimensions : 1650mm x 1290mm x 2000mm (LxWxH)

Gross Weight : 2350 kg

Shipping Dimensions : 1850mm x 1500mm x 2200mm (LxWxH)

Shipping Weight : 2550 kg

Automatic Filling Line Machine



Output :

Up to 90 000 capsules per hour for powder filling.
Up to 80 000 capsules per hour for pellet filling.

Electric Supply : 415V, 3 Phase, +N +E, 50 Hz, A.C.

Main Motor : 1,5 kW (2HP) at 1440 rpm

Vacuum Required :

1000 l/min at 26" of Hg for capsule separation.
2800 l/min at 4" of Hg for cleaning. Compressed Air : 300 LPM at 6 kg/sq.cm

Dimensions : 1650mm x 1290mm x 2000mm (LxWxH)

Gross Weight : 2350 kg

Shipping Dimensions : 1850mm x 1500mm x 2200mm (LxWxH)

Shipping Weight : 2550 kg

JUMBO SEMI AUTOMATIC CAPSULE FILLING MACHINE (60,000 Per hours)



Description

Semi Automatic Capsule Filling Machine is designed for precision manufacturing requirements of modern pharmaceutical procedures. Capsule Filling Machine is suitable to fill size 00 to 5 capsules with powder, granules or pellets. We are having three different models which provide production output ranging from 55,000 capsules per hour to 60,000 capsules per hour. Machine provides high Degree of automation with higher levels of filling weight accuracy. Machine is made as per GMP standards having all Stainless Steel covering. Machine having wide usage in R&D laboratories, Research Institutions, Herbal & Nutraceutical preparations, Unani & Ayurvedic medicines, Pilot batch productions etc.

We can provide line equipments naming Capsule Conveying System, Capsule Polishing Machine, Dust Extractor, Damage Capsule Sorter and Empty Capsule Ejector to make complete Semi-Automatic Capsule Filling Line.

Synonyms: Semi-automatic Capsule Filling Machine, Semi Automatic Capsule Filler

Application: Filling Capsules with powder, pellets & granules

Usage: Pharmaceutical, Nutritional, Biotech, Health Supplement, Food Product & Cosmetics

Suitability: Hard Gelatin, HPMC & Veg Capsules in 00, 0, 1, 2, 3, 4 & 5 sizes

AUTOMATIC CAPSULE LOADER MACHINE

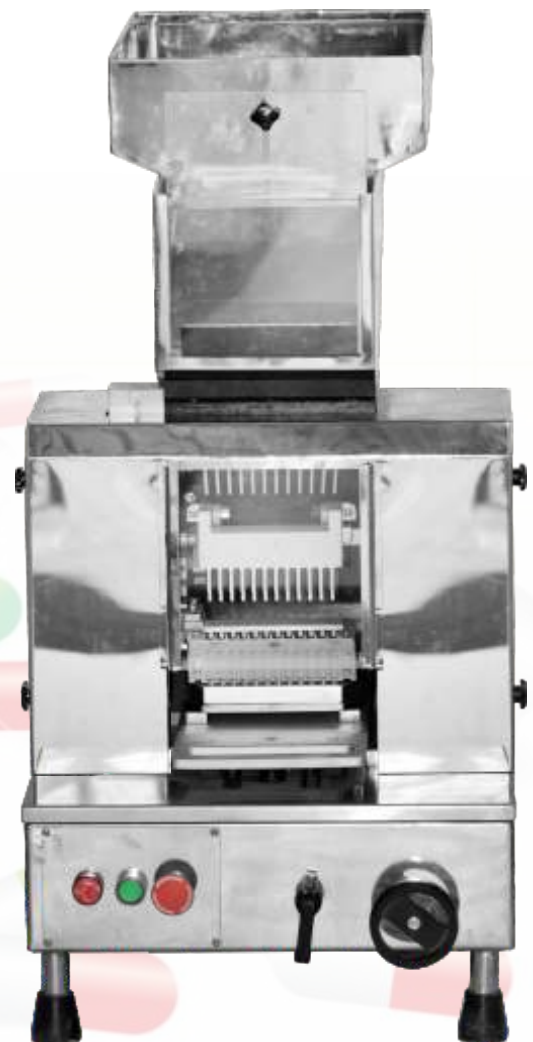
Automatic Capsule Loader is used for loading empty capsules in loading tray of manual capsule filler machine. In this process, empty capsules are placed in loading tray through the magazine automatically with cap up and body down. Capsule Loader Machine is useful for various industries. Automatic Capsule Loader is most suitable for medium scale pharmaceutical companies and Ayurvedic Herbal product companies. This capsule loader not only offers easy operation but also saves time & labour. It has a compact design and requires minimum space. The automatic capsule loader delivers high production with high accuracy.



Automatic capsule loaders are the perfect machines for medium & large scale pharmaceutical industries. This automatic capsule loader is utilized in order to fill up the plates of manual capsule filling machines. This automatic capsule loader is simple to operate and an ideal technology that can save time & labour workload. These automatic capsule loaders are used to load capsules automatically onto the loading tray of the capsule filling machine. These machines are small-sized, as it can be fitted in smaller areas which means less space will be occupied.

FEATURE :-

- High output with low investment
- Significant difference in production Easy to operate.
- Suitable for all standard sized capsules with appropriate size change parts.
- All parts are easily removable Stops the process automatically after loading is completed
- Loads 300 capsules in loading tray only in 28 seconds
- Comes with interchangeable parts for any size capsule



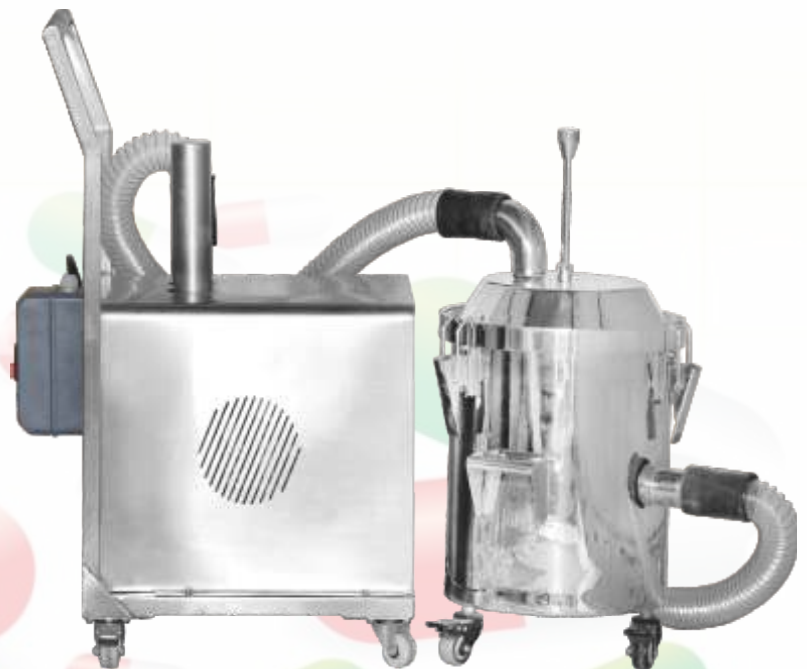
MANUAL CAPSULE FILLING MACHINE

Manual capsule filling machine is a flexible bench top pharmaceutical equipment that boasts of having the capacity to produce 8000 capsules per hour. The machine is hence deemed felicitous for clinical research organizations and special laboratories as they require cost effective manual capsule filler for smaller runs.



DUST EXTRACTOR MACHINE ADVANTAGES OF THE EXTRACTOR SYSTEM CADU

Dust Extractor or dust collector is the equipment uses to gather unwanted powders stuck onto a particular machine. Its major application is in pharmaceutical solid dosage form section where bulk dosing preparations done. In tablet section it is uses to gather extra powder from tablet press machine and tablet counting machine. In capsule section it is uses in capsule filling machines and capsule polishing machines for gathering excess powder. Dust Collector is an auxiliary equipment which is attached to any other equipment to gather excess powder during a particular process. Equipment made from Stainless Steel 316 grade materials with mirror polish from inside and outside. Structure made from 304 grade of stainless steel.



DUST EXTRACTOR - DUST COLLECTOR IN CAPSULE FILLING MACHINE

Dust Extractor or dust collector is the equipment uses to gather unwanted powders stuck onto a particular machine. Its major application is in pharmaceutical solid dosage form section where bulk dosing preparations done. In tablet section it is uses to gather extra powder from tablet press machine and tablet counting machine. In capsule section it is uses in capsule filling machines and capsule polishing machines for gathering excess powder.

Dust Collector is an auxiliary equipment which is attached to any other equipment to gather excess powder during a particular process. Equipment made from Stainless Steel 316 grade materials with mirror polish from inside and outside. Structure made from 304 grade of stainless steel. There is filtration cloth provided inside the equipment, so any particles which is available in the air does not affect the powder and one can reuse the powder collected into the equipment.

- Compact in size and small footprint.
- Easy to move through castor wheels.
- Filter cloth tightened with just one rope hence easy to changeover.
- Parts easy to dismantle for cleaning.
- Machine mounted DOL starter for easy of operation.



EMPTY CAPSULE SORTER ELEVATOR MACHINE

The Empty Capsule Sorter Elevator is used to sort the empty capsule for any damages and then elevate the good capsule from lower level to the higher level. The Empty Capsule Sorter Elevator is a part of the transferline for the transfer of empty capsule into the capsule hopper of the Automatic capsule Filling Machine, which is at a higher level.

The machine works on the principle of vibratory sorting and lifting the capsules by airflow. A linear vibrator on the drilled plate, which sorts the capsule as per the requirement. A continuous stream of air at a high velocity lifts the capsule up as soon as they are fed into the blower inlet chute after sorting them properly. The capsules are fed at a lower level and the machine conveys them to a higher level.



The capsules are delivered from the hopper to the feeding tray, from where they move forward on to the sorting plate. The forward movement of the capsules is due to the vibratory motion of the feeding tray. The flow of capsules from the feeding tray to the sorting plate can be regulated with the help of a gate mounted on the hopper.

The capsules are sorted in the sorting section before they are conveyed to the CFM. The sensing of capsule level in the CFM is done with the help of two sensors mounted on the CFM hopper. One is for low level sensing and the other is for high level sensing. The air stream required for lifting the capsules is developed by an air blower.

CONNECTED LOAD :-

- MAIN MACHINE : 0.5HP/220 V/3 PH/60 CYCLES
- UTILITY REQUIREMENT :-
- VACUUM : 80 MM OF HG
- EXTRA CHANGE PARTS FOR ADDITIONAL SIZE OF CAPSULE.





CAPSULE POLISHING MACHINE

uses the rotating brush principle to clean the capsules on continuous basis. Capsules are fed into the polishing chamber where a rotating spiral brush removes the powder particles sticking from the outer surface of capsules. The polishing chamber is to be connected to a vacuum cleaner to suck the de-dusted powder from the polishing chamber. This helps improving the polishing quality of Capsules.

FEATURES :-

- Complies as per cGMP standards
- All contact parts with the capsules made from Stainless Steel 304 or 316 material.
- The polishing chamber lined with nylon net.
- VFD Control Drive
- Separate Dust Collection System
- The polishing chamber inclination can be adjusted to suit the formulation.
- Provision of compressed air for cleaning the nylon brush.
- No change parts are required for different size of capsules.
- Easy to dismantle, wash and reassemble.
- No maintenance is required for polishing machine except for periodic cleaning,
- Compact size design, easy to shift and occupies minimum floor area.
- Mounted on a stand with locking type wheels and can be freely moved about and taken to any place for putting it in operation.



EMPTY CAPSULE SORTER (ECS)

Empty Capsule Ejector works on the principle of airflow force. Filled capsules will fall straight towards the down level & Empty capsule will eject outside when airflow force is applied on the capsules, it's specially to sort out empty capsules from filled capsules.



FEATURES :-

- Removes all empty capsules and additionally checks for loose caps or loose powder
- All contact parts made of SS-316 and all aluminum parts are specially plated
- Sorts capsules of sizes 000 to 5
- Ensures 100% good capsules in your batch, sorting by weight
- Eliminates risk of contamination
- Rejects defective filled capsules Irrespective of sizes, ensuring no lost time in changeovers



MINI CAPSULE SORTER (MCS)

The Mini Capsule Sorter sorts out the separated capsule cap and body shells and other loose product material through a linear sorting plate and vibratory mechanism and ensures that good quality capsules are passed into the Filled capsule sorter drum.



FRONT VIEW

Details:

- Removes all diametrically distorted capsules, loose caps and loose powder.
- Machine requires very little space.
- All contact parts are made of SS-316 and all aluminum parts are specially plated.
- Can sort capsules of sizes 000 to 5.



SIDE VIEW

FILLED CAPSULE ELEVATOR

The Filled Capsule Elevator is used to convey filled capsules through the elevator pipe and outlet chute into the hopper of the metal detector.

FILLED CAPSULE ELEVATOR Model FCSE-200

The Filled Capsule Elevator is used to convey filled capsules through the elevator pipe and the outlet chute into the hopper of the capsule polishing machine.

The FCSE-200 is a high output elevator suitable for elevating from a lower level to a higher level.

The unit is extremely useful in fully automatic lines where the output from the exit chute of a filling/ sorting machine, which is at a lower level, is connected to the inlet chute of a polishing machine, which is at a higher level.



FEATURES:-

- Conveys from lower to higher levels
- using inbuilt blower unit
- Convey capsules of all sizes (000 to 5)
- Conforms to cGMP standards
- Transports your filled capsules with ease and low power consumption
- Lifts filled capsules, irrespective of sizes
- Ensures easy cleaning and maintenance



CAPSULE DUST COLLECTOR - CADU

Dust Extractor or dust collector is the equipment uses to gather unwanted powders stuck onto a particular machine. Its major application is in pharmaceutical solid dosage form section where bulk dosing preparations done. In tablet section it is uses to gather extra powder from tablet press machine and tablet counting machine. In capsule section it is uses in capsule filling machines and capsule polishing machines for gathering excess powder. Dust Collector is an auxiliary equipment which is attached to any other equipment to gather excess powder during a particular process. Equipment made from Stainless Steel 316 grade materials with mirror polish from inside and outside. Structure made from 304 grade of stainless steel.



ADU ASSEMBLY/ CDU ASSEMBLY





BINDING starch paste kettle

Working Principle of Paste Kettle

Paste Kettle is made from suitable gauge stainless steel material. Machine structure is made of thick stainless steel 304 angles. Top cover of the kettle is loose lid type. So now we look into process operation of the paste kettle. Below is step-by-step process guide of paste kettle machine:
Provide steam to the jacket (in case of steam heated model) or fill thermic fluid in the jacket (in case of thermic oil heated model).



Model	BTM-50	BTM-100	BTM-150	BTM-200
Gross Volume approx.	50 Liters	100 Liters	150 Liters	200 Liters
Working Volume approx.	37 Liters	75 Liters	110 Liters	150 Liters
Stand	Pillar type	Pillar type	Pillar type	Pillar type
Agitator Design	Anchor Stirrer	Anchor Stirrer	Anchor Stirrer	Anchor Stirrer
Heating Media	Steam/Oil	Steam/Oil	Steam/Oil	Steam/Oil
Tilting Arrangement	Hand wheel type	Hand wheel type	Hand wheel type	Hand wheel type
Motor Power	1 H. P.	1.5 H. P.	1.5 H. P.	2 H. P.
Power Voltage	415 V, 3 Ph., 50 Hz.	415 V, 3 Ph., 50 Hz.	415 V, 3 Ph., 50 Hz.	415 V, 3 Ph., 50 Hz.
Blades RPM	24 RPM	24 RPM	24 RPM	24 RPM

Rapid Mixer

Salient Features

Capacity ranging from 10 ltrs. to 1000 ltrs. (ie from 5 kgs to 400 kgs. Approx.)

Design and finish comply with GMP standards.

Integration of dry blending and wet granulation processes into one-step mixing and granulation.

Telescopic lifting arrangement for main impeller as an optional CIP Manifold washes all product contact surfaces.

Controlled and enclosed mixing complying to GMP standards. Specially designed impeller blades to optimize the high speed agitation of the charge.

Precision engineering to minimize clearance between bowl and impeller.

The machine is supplied with standard manual controls. Optionally, can also be supplied with programmable Logic Control (PLC) system and MMI for the visual display of the operating parameters.



Model	RMG 10	RMG 25	RMG 50	RMG100	RMG150	RMG250	RMG400	RMG600
Gross Capacity - Ltrs.	10	25	50	100	150	250	400	600
Working Capacity - Ltrs..	7.5	20	40	80	120	200	320	480
Impeller Motor - HP	3VFD	3/5	5/7.5	7.5/10	10/15	25/30	30/40	40/50
Chopper Motor - HP	0.75/1	1.5/2	2/3	2/3	3/5	3/5	5/7.5	5/7.5
Gear Box Size		V/400	V/500	V-500	V-600	V-700	V-800	V-1000
Gear Box Ration	10:1	5:1	5:1	10:1	10:1	10:1	10:1	10:1
Dimensions	All Dimensions are in mm							
L	1000	1700	1850	1925	2400	2650	2850	3000
W	500	1050	1100	1150	2350	2550	3000	3200
H	700	1600	2000	2200	2400	2800	3100	3350
B	N.A.	N.A.	N.A.	N.A.	1975	2250	2500	2700
F	N.A.	750	850	900	975	1100	1200	1300
D	N.A.	650	825	900	950	1100	1150	1275

Fluid Bed Dryer

Salient Features

- » Short drying time and Low drying temperature
- » Uniform drying
- » Compact design.
- » Rapid exchange of granules
- » Heating by electricity/steam air heating systems with SS heat exchangers.
- » Single piece retarding chamber and finger bag chamber with inflatable gasket
- » Pneumatic lifting & locking for product container with retarding chamber.
- » Contact parts in Stainless Steel 304 quality or 316 quality or 316L quality as per user's requirement.
- » Fully automatic bag shaking arrangement
- » Intrinsically safe earthing mechanism Optional.
- » AHU with Inlet-air filtration system with 20 Micron Coarse Filter, 5 Micron Pre Filter and 0.3 micron HEPA filters (r) 99.9%) as an option
- » Differential pressure gauge across micro-vee and filter bag as an optional.



Fluid Bed Dryer / Processor

Model / Size	LAB FBD 2	LAB FBD 5	LAB FBD 10
Container Volume (Ltrs.)	8	16	30
Working Volume (Kg.)	2.0	5.0	10.0
Optimum Batch (Kg.) Max.	2.5	6.0	12.0
Capacity @ 0.5 B. D Min.	1.5	4.0	8.0
Blower Motor HP	3.0	3.0	5.0
Process Air Volume (CFM)	450	700	850
Drying Air Temperature	40-85°C	40-85°C	40-85°C
Electrical Heating (KW)	18	18	21

Tray dryer



Tray dryer uses in Pharmaceuticals

- » A tray dryer provides a uniform drying process that prevents the materials from getting damaged, this is particularly important in the pharmaceutical industry since the material may be sensitive to heat.
- » It is used to dry materials like; excipients, tablets, powder, and wet granules to dry.
- » It is most efficient to dry for sticky materials
- » Tray drier also used to dry equipment and glassware
- » It is easy to clean and required less time in product-to-product change-over

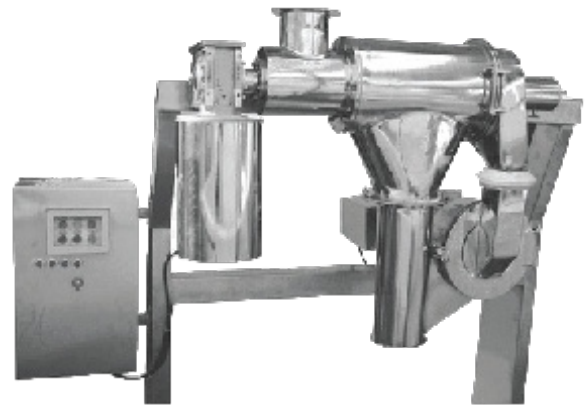


Multimill

- » Designed for continuous wet or dry granulation.
- » Beaters & scraper blades made of SS 304 (SS 316 Optional) Easy to dismantle and clean
- » Beater drive equipped with reversible switch.
- » Castor wheels provided for mobility.
- » Flameproof electrical components can be provided at extra cost.

High Speed Turbo Sifter Machine

- » Design is cGMP – Current Good Manufacturing Practices compliance.
- » All contact parts AISI 316 & non contact parts AISI 304.
- » Sieving and milling process are in one operation.
- » Easy movable
- » Easy to dismantle contact parts for clean.
- » Enclosed drive for safety.
- » A C frequency variable speed for sifter and milling drive.



- » Design is cGMP – Current Good Manufacturing Practices compliance.
- » All contact parts AISI 316 & non contact parts AISI 304.
- » Powerful vibration by gyratory motion by special Vibro motor.
- » Side outlet & fines discharge.
- » Easy movable & clean.
- » Noiseless operation.
- » Lead free and Silicon seal sieve.
- » Compact vibratory design for high speed & dust free sieving.
- » Noiseless and maintenance free machine.
- » All contact parts and screen made of SS 304 (SS 316 optional)
- » Low power consumption compared to reciprocating vibratory system.
- » Easy dismantling and cleaning of contact parts.
- » Machine available with flame proof and double/triple deck options

Model	BTM-SIF-20"	BTM-SIF-30"	BTM-SIF-36"	BTM-SIF-48"
Screen Dia.	503 mm.	752 mm.	914 mm.	1220 mm.
Capacity/Hour*	20 to 200 Kgs.	30 to 300 Kgs.	30 to 325 Kgs.	30 to 450 Kgs.
Charging height	1200 mm without Lid	1050 mm without Lid	1050 mm without Lid	1200 mm without Lid
Discharging height	720 mm.	670 mm.	670 mm.	670 mm.
Main Electric Motor	0.5 HP	0.5 HP	1.0 HP	1.5 HP

Octagonal Blender



- » Design is cGMP – Current Good Manufacturing Practices compliance
- » All Product contact parts AISI 316 & non contact parts AISI 304.
- » Octagonal shape product container for Ideal dry mixer for lubrication of granules and homogenization mixing of multiple batches in to single batch.
- » Available Capacity model in octagonal blender 25 kg to 5000 kg batch size.
- » Enclosed rigid drive with reduction gear box and motor.
- » “A” type rigid structure of the machine with two sides resting of product container.
- » Product container having discharge with butterfly valve and man hole.
- » Charging hole with hinged lid with seal for charging and cleaning.
- » Safety reeling provided for rotating area of product container.
- » Fixed baffles provided for lumps braking.
- » Electric controls panel with cycle time.

V Cone Blender

- » Design is cGMP – Current Good Manufacturing Practices compliance
- » All Product contact parts AISI 316/ 316L & non contact parts AISI 304.
- » ‘V’ shape product container for Ideal dry mixer for lubrication of granules and homogenization mixing of multiple batches in to single batch.
- » Available Capacity model in octagonal blender 25 kg to 2500 kg batch size..
- » Enclosed rigid drive with reduction gear box and motor.
- » “A” type rigid structure of the machine with two sides resting of product container.
- » Product container having discharge with butterfly valve and man hole.
- » 2 Nos. Charging hole with hinged lid with seal for charging and cleaning.
- » Safety reeling provided for rotating area of product container.
- » Fixed baffles provided for lumps braking.
- » Electric controls panel with cycle time.



Auto Coater

- » As per the cGMP (Current Good Manufacturing Practices) design instructions.
- » Operations in-between batches are flexible.
- » Pollution free operations supported by treating the expended air.
- » Silicon food grade sealed doors, covers & safety guards.
- » Adjustable AC Speed Drive in Perforated Pan.
- » Technical operating area installed with Exhaust Air Unit & Entire Inler Air Handler.
- » PLC controlled software & operation for a user friendly experience.
- » Comes with validation document & manual for machine instruction DQ, IQ, OQ, FAT & SAT with calibration and test certificate.
- » Special diverter assemblage for tablet discharging.
- » Inlet & outlet duck attached with pneumatically operated damper to control outlet & inlet air.
- » Process visualization facility with glass contained stainless steel door closed at Pan mouth.
- » Pan containing FLP fluorescent light for radiance
- » AC frequency drive of both the blowers control Inlet & Exhaust flow of air.
- » Adjustable spray guns at front entry arm made of stainless steel.



Conventional Coating Pan

- » Design is cGMP – Current Good Manufacturing Practices compliance.
- » All contact parts AISI 316/304 & non contact parts AISI 304.
- » Conventional coating system for manual film coating and sugar coating.
- » Machine is designed with fabricated structure fitted with SS enclosure which makes simple, cleanable outside covering and mounted on anti vibration pad.
- » Closed powerful pan drive with reduction gearbox and motor by variable speed pulley.
- » Movable hot air blowing system with electric heater.
- » Easy to replace polishing pan and other size coating pan.



OINTMENT SECTION



Application:

Pharmaceuticals, Cream, Gel, Sterile & Non Sterile Ointments and Biotech Products

Cosmetics: Cold Cream Hair Dye Cream, Conditioner, Lotions, Gels, Mascara Make-Up, Shampoo, toothpaste.

Design Base:

- » A Special Pharmaceutical Design enables Application in Biotechnical Process. Material, Surface as well as general design are in keeping with the GMP directives as well as the recommendation of the FDA & USFDA.
- » Vessel design as per ASME guideline and tailor made design as per users / product Requirements.
- » All Vessel are per GMP regulations.
- » Total Plant is deign & Supplied as per CGMP Guideline.

Technical Specification:

- » Choice of Various type of anchor design.
- » Homogenizer (Option) - Top Entry, Side Entry, Bottom Entry with Circulation Facility.
- » Hydraulic Lid Lifting for fast & easy cleaning of top dish & vessel.
- » Load Cell for Fast & accurate measuring System.
- » Flexible Product transfer Pipe & Fitting in case of Load Cell & hydraulic Lifting.
- » VFD for Anchor Agitators to vary the RPM.
- » VFD for Homogenizer to vary the RPM.
- » Specially Design drive Assembly.
- » Total Plant is deign & Supplied as per CGMP Guideline.

Control System:

- » Manual Control - Temperature Indicator/Timer/Single Phase Protection/Push Button to operate the Complete Plant.
- » Auto Control - PLC based with touch screen and pass word level to feed the parameters of process for Heating/Cooling/ Stirrer Timing/Homogenizer Timing / Stirrer Speed / Homogenizer Speed/Vacuum/Pressure / CIP etc. This choice of package to suit requirement to each product.
- » HMI (Touch Screen) for visualization of machines of specific process condition and data.
- » SCADA Package (Optional)

Control System:

- » 5kg to 3000kgs.

Automatic Rotary Tube Filling

Capacity	40-60 Tubes/Min
Machine Type	Automatic
Filling Range	5gm to 250 gm
Filling Accuracy	±1%
Tube Diameter	15 mm to 50 mm
Tube Length	80 mm to 200 mm
Sealing System	Hot Air Sealing
Packaging type	Plastic Tubes



Colloid Mill

A Colloid Mill is a machine that is used to reduce the particle size of a solid in suspension in a liquid, or to reduce the droplet size of a liquid suspended in another liquid. This is done by applying high levels of hydraulic shear to the process liquid. It is frequently used to increase the stability of suspensions and emulsions. The Colloid Mill is used for various applications such as Superfine grinding, homogenizing, emulsifying, dispersing, mixing and extracting of liquids, ointments and highly viscous products in pharmaceutical, cosmetics, suspensions & emulsion indust

Model	SPE-250	SPE 500	SPE 1000
Output-Liter/Hour	150 to 1500	150 to 2500	250 to 5000
Rotor Speed-RPM	2800	2800	2800
Hopper Capacity Liter	15	15	25
Partial Size Reduction Micron	5 to 10	5 to 10	5 to 10
Electne Motor HP KW	3/2.25	5/3.75	10/7.5

ORAL LIQUID SECTION



Automatic Liquid Manufacturing Plant

Manufacturing of syrups, oral liquids, liquid products in pharmaceutical - food, Beverage, Distillery, Ayurvedic industries. Models: from 50- 10,000 Ltrs capacity in fully automatic untouched process or in semi automatic models as per GMP/C-Gmp manufacturing standards with validation documents.

Salient Features

- » Three Tank Process: Sugar Melting- Vessel-Manufacturing Vessel - Storage Vessel SS-304/316/316L quality
- » The tanks can be mounted on legs or lugs as required.
- » Stirrers/impeller type high speed stirrers, paddle type slow speed stirrer for low viscous liquids & anchor type stirrer for high viscous liquids
- » Jacket for steam heating or electrical heating is optionally provided for hot process
- » Made In SS-304, 316, 316 L In GMP/Non-Gmp Models.
- » Baffles Provided In Vessel To Reduce Mixing Time And Create Turbulence
- » Homogenizer For Homogenous Online / Inline Mixing Of Products/Suspensions Bottom Homogenizer/Stirrer Optional.
- » Conical Pre-Filter/Basket Filter, Zero Hold Up Sparkler Filter Press For Final Filter Provided With Unit.
- » Electropolished Interconnecting Pipeline and TC Fittings for Easy Cleaning & Assembly.
- » Complete Untouched Process Optional With Auto Transfer Of Products & Ingredients.
- » Sight Glass On Manhole For In Process Observation
- » Optional Vacuum Arrangement Provided On Requirement
- » In Built CIP System For Cleaning And Washing Of Vessels From Inside
- » Matt Surface Polish Outside And Mirror Polish From Inside
- » Tank Layout And Dimensions Can Be Designed To Suit The Working Area
- » Load cell-Level indicators can be integrated with system
- » Control panel: Standard control panel / Digital control panel is provided with the plant which includes on/off switches for stirrer, homogenizer, pumps, filter press and thermostatic controller for electrical heating system. Conveniently fitted within easy reach of operator. Pic operated control panel system optional.

All dimensions subject to change without prior notice. Specifications/Description mentioned shown in picture may vary with different models.



TABLET COMPRESSION MACHINE



We manufacture wide range of Double Rotary Tableting Machine and Tablet Press Model , rotary tablet press machine , tablet machine video available , tablet press machine best price in india , tablet compression machine , tablet press machine manufacturer , Single and Double Rotary Tablet Press machine, tablet compression tooling, tablet presses for confectionery, lab scale tablet press, Veterinary tablet machine, , Bolus tablet machine for Pharmaceutical, Confectionary rotary tablet press machine, Ferrites & Electronics rotary tablet press machine, Vitamins rotary tablet press machine and Nutraceuticals rotary tablet press machine Industries and other pharmaceutical rotary tablet press machine 8,10, 12, 16, 27, 29, 31, 37-45-55-61 Stations and equipments.

premium quality array of Double Rotary Tablet Compression Machine. The machine offers lower guard of polished stainless steel and upper guards of acrylic material aluminum turret guards. Moreover, the machine has effective dust extraction nozzles with imported needle roller bearing provided at the bottom of turret variable.

Tablet Tooling (Punches & Dies)



Tube Filling Machines



The Tube Filling Machine shall be used for filling and sealing of tubes such as laminate tubes, aluminium and plastic tubes for semi-solid products. The Tube Filling Machine shall automatically operate to fill laminate tubes, aluminium tubes or plastic tubes with semi-solid products (Semi-solid products such as cream, gel, and ointment.) and seal the bottom of the tube with filled products with heat sealer or crimper. The tubes are manually fed to the tube feeder. A tube will be transferred via a single transfer chute and turned the bottom up. The tube is moved by rotation wheel to the dosing station. Semi-solid product prepared in the semi-solid manufacturing suite shall be transferred via a mobile vessel or vat and connected to the filling machine. Semi-solid products shall be supplied to the filling machine nozzle by vacuum or sanitary pump, as per the filling machine packaged skid design. The tube is filled with product with adjustable volume. Then the filled tube is moved to the seal station to seal the bottom of the tube whether heat sealer or laminate crimper. The sealed tube is conveyed out of the machine on the downstream by the transport system.

POUCH FILLING MACHINE





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MANUFACTURER AND SUPPLIER OF PHARMA MACHINES, CHANGE
PARTS, SPARE PARTS, SS FURNITURE, ELECTRICAL PANELS,
CONSUMABLES ETC.
THIRD PARTY INSPECTION & VACUUM PACKING



FOR MORE DETAIL SCAN

