

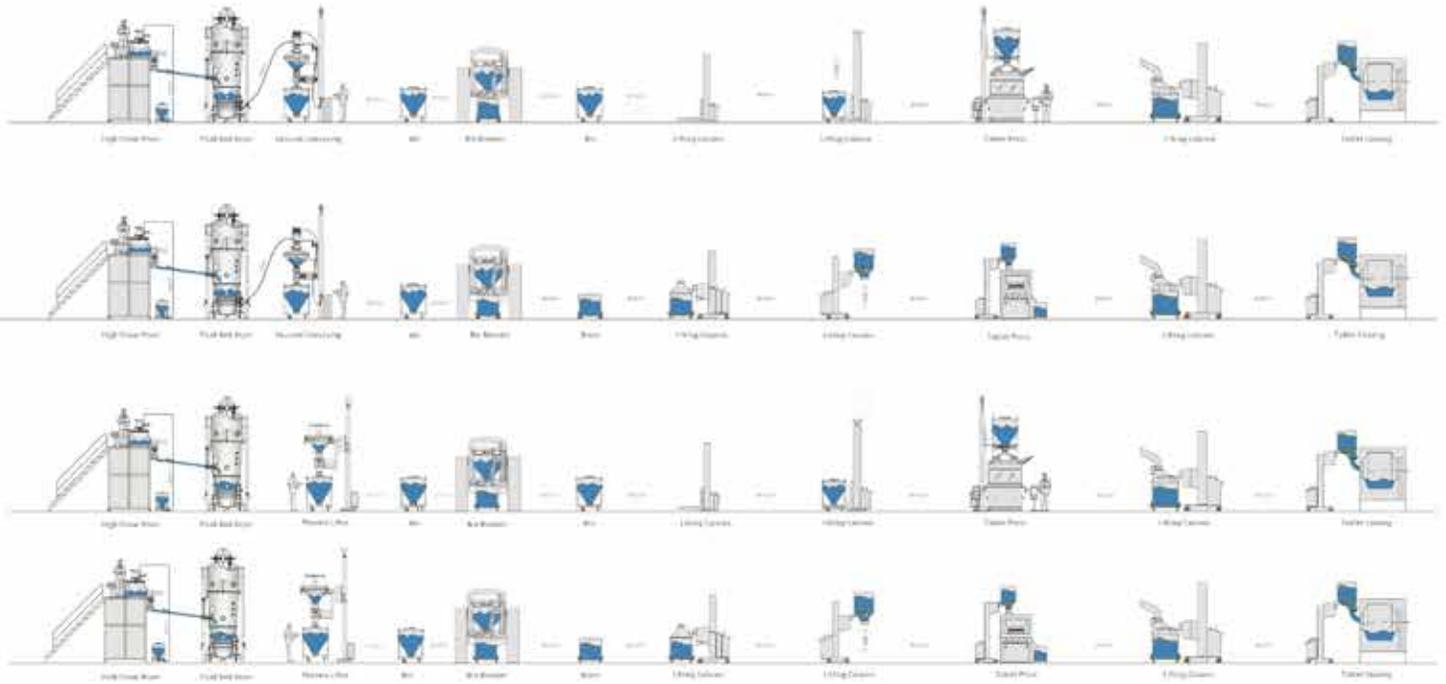


One Stop Solution For Pharmaceutical Machinery

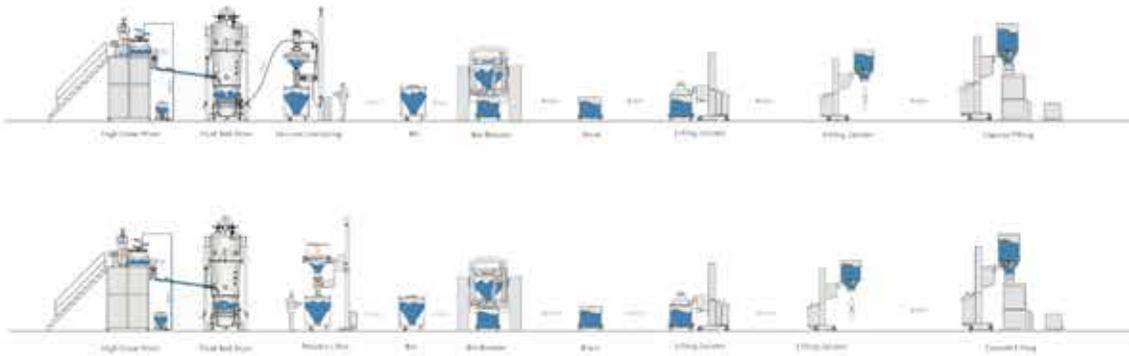
Senieer Integrated Process & Equipment

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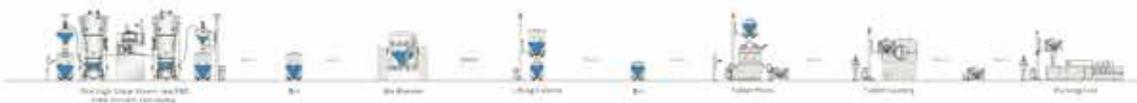
Tablet Press Flow Chart



Capsule Filling Flow Chart



Tablet Press Line Flow Chart



Capsule Filling Line Flow Chart





Solid Dosage Forms

Provides the best one stop solution

Senieer Integrated Process & Machinery
Aiming to be the top level pharmaceutical equipments supplier

Pharma Lifter For Bin Function

Senieer is a market leader in one stop smart pharmaceutical production solution experts, headquarters especially focus on solid dosage forms in China 35 years.

Senieer custom design your project according to your process and layout requirements. As process equipment, we solved a lot of process problems for clients during 35 years.

Senieer realized the application is key important, that is why we focus on integrating process and machinery, resolve your process problems.

Senieer integrated process and machinery, utilizes the best in research and development of highly competitive systems to suit for your process requirements.

Senieer has special kinds of dust-free solid dosage forms granulation lines and powder lines. Your process in mind innovation technology for special applications.

Senieer's equipment complies with global health regulation and cGMP standard.

Senieer aiming to be the top level pharmaceutical equipment manufacturer and supplier.

Senieer thinks of the dignity of customer and promise stabilized services. We have a passion for success of customers together.

Our long experience provides a solid basis of trust for our customers

Vision

Make the best quality, build trust company

Mission

We will make specialized company for good machinery and contributions to human health

Our Spirit

Passion, Efficiency, Creativity

Management Policy

- High productivity
- Innovation for Advanced Products
- Ideas for Creation

YOUR BEST FRIEND, SENIEER!

ΛΟΓΟΒΕΣΤΗ ΕΡΓΕΙΩΝ, ΣΕΝΙΕΕΡ!

sales@senieer.com

www.senieer.com

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Granulation Line

- Feature ■
- Function ■
- Advantage ■
- Application ■
- Specification ■

Granulation Line Feature

- ◆ Increase productivity by automating operations
- ◆ Optimal containment in accordance with FDA/cGMP guidelines
- ◆ Low process time, better effectiveness, and optimum operational safety are all advantages of this technology
- ◆ Product transmission is smoother, and procedures are more dependable
- ◆ Optimization using a variety of formulas
- ◆ The product, the people, and the environment are all protected to the fullest extent possible



Simple scalability, proven process design ◆

Grounding and ground surveillance ◆

Increased productivity and efficiency ◆

A Siemens HMI panel with a 12-inch display is offered ◆

PLC control system Siemens Simatic S7-300 series is offered ◆

System of advanced closed-loop granulation lines ◆

Granulation Line Function

- ◆ Granulation lines combine granulation and drying processes to provide continuous and steady production and they may significantly enhance end product output
- ◆ The vacuum conveying system and lifting turnover discharge system may significantly reduce labor effort while also preventing dust pollution
- ◆ The granulation line system is controlled by an automated PLC with a graphical interface
- ◆ This implies that the operation and process settings for history review and printing may be established automatically
- ◆ The Granulation line's WIP system provides a good cleaning effect for the granulator and dryer



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Granulation Line PRODUCT

Granulation Line Advantage

- ◆ There is no cross-contamination
- ◆ It combines both granulation and drying processes
- ◆ It can highly increase the yield of finished products
- ◆ Save on the cost of labor

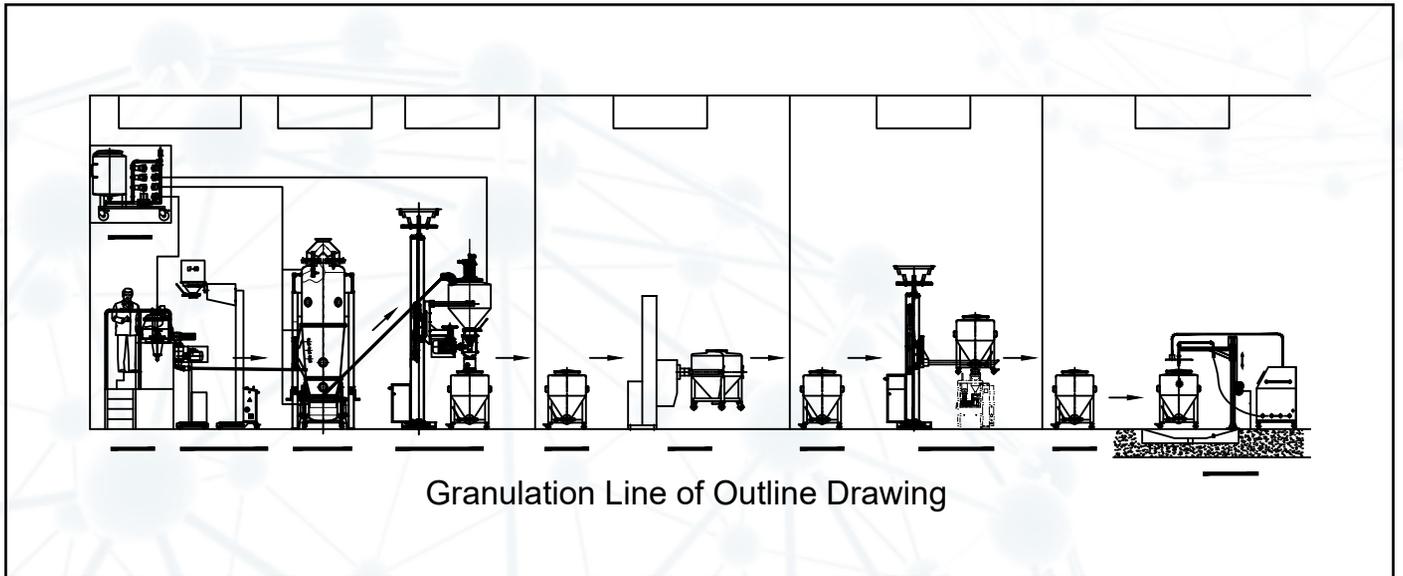
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Granulation Line PRODUCT



Granulation Line Application

- ◆ Pharmaceutical Industry
- ◆ Food Industry
- ◆ Health Food Industry
- ◆ Chemical Industry
- ◆ Dairy Industry



Granulation Line Specification

Technical parameters

Model	SGL-100	SGL-200	SGL-300	SGL-400	SGL-500	SGL-600	SGL-800	SGL-1000
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Senieer fluid bed granulator makes granules perfect fluidity.



Hammer Mill

- Feature ■
- Function ■
- Advantage ■
- Application ■
- Specification ■

Hammer Mill Feature

- ◆ No pollution to materials
- ◆ Materials will not stick to the shell, easy to clean
- ◆ Flexible template design



With automatic overheating and overload protection function ◆

The speed can reach 2500-6000RPM ◆

Quickly remove and replace the rotor and screen, easy to clean ◆
safe and reliable

Hammer Mill Function

- ◆ This equipment can be connected to vacuum feeder for continuous feeding. Pneumatic rotary valve is used for periodic feeding. A single axis and multi-blade crushing knife is set 'n the crushing chamber, so that the material can be crushed by shearing and collision on the high-speed rotating crushing knife. The crushing cavity is equipped with a sieve net with a plurality of apertures. The lower part can be connected with the transit bin to transport the crushed products to the next station for continuous processing



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Hammer Mill PRODUCT

Hammer Mill Advantage

- ◆ This machine does not require a large space for it to be operated
- ◆ This equipment uses relatively low power
- ◆ The machine can grind a variety of materials
- ◆ A pharmaceutical hammer mill can easily be cleaned
- ◆ This pharmaceutical equipment is relatively cheap in comparison to other machines

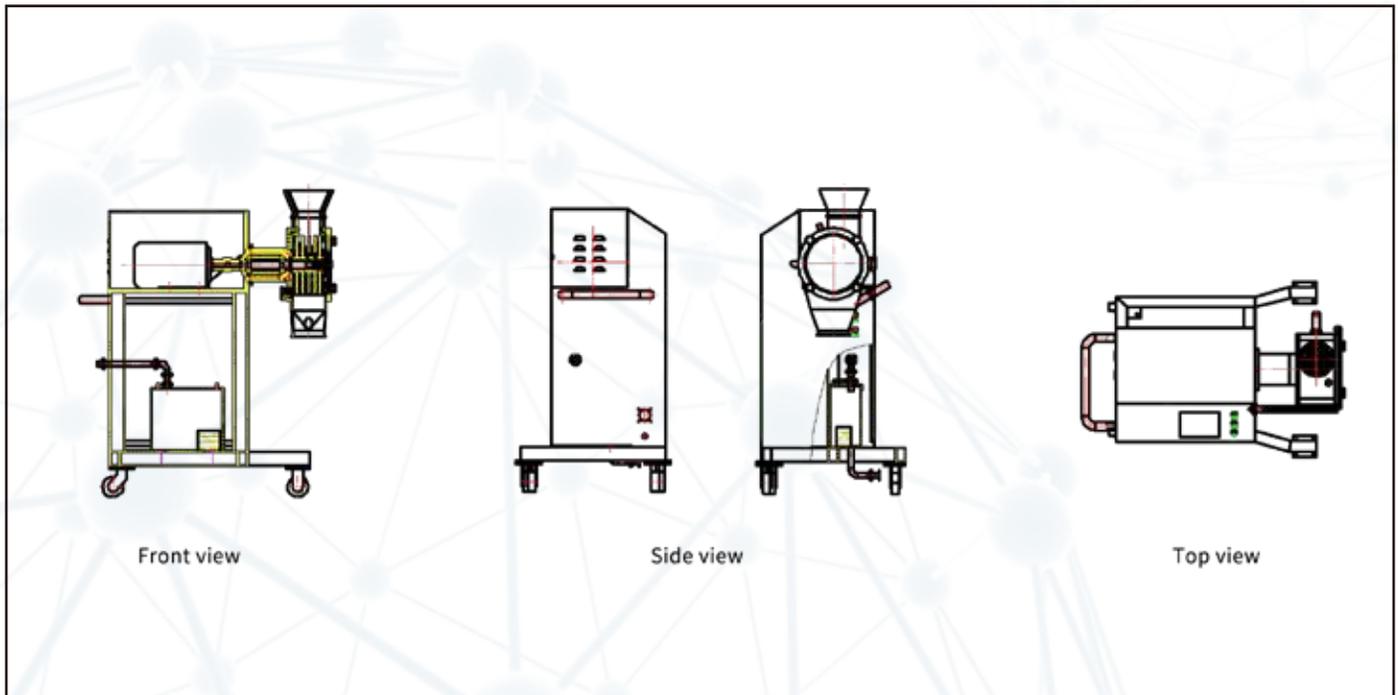
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Hammer Mill PRODUCT



Hammer Mill Application

- ◆ Pharmaceutical Industry
- ◆ Food Industry
- ◆ Health Food Industry
- ◆ Raw Material Industry
- ◆ Cosmetics Industry



Hammer Mill Specification

Technical parameters

Model	CFJ-6	CFJ-12	CFJ-15
Output(kg/kw)	200~300	400~800	600~1000
Power(kw)	4	5.5	7.5
(L x W x H) Dimensions (mm)	700 x 800 x 1200	800 x 800 x 1350	900 x 800 x 1400

Senieer fluid bed granulator makes granules perfect fluidity.

High Shear Mixer

- Feature ■
- Function ■
- Advantage ■
- Application ■
- Specification ■

High Shear Mixer Feature

- ◆ The granulation process needs less binding
- ◆ Granulation can be completed in a short period of time
- ◆ Densification of the granules and formation of fewer friable granules
- ◆ The granulator creates less friable granules with a consistent particle size distribution that are reliable
- ◆ Due to reduced process dust formation, a high shear mixer reduces worker exposure to drug dust
- ◆ By utilizing a high shear mixer, the granulation endpoint is predictable
- ◆ It is possible to save 25% on adhesives and drying time
- ◆ This will have a cone mill or a swing granulator attached to it
- ◆ Vacuum conveying connects with fluid bed dryers in the pharmaceutical health-care, food, and chemical industries



- ◆ Touch screen control system with automatic PLC control
- ◆ Data processing and history review are provided and printing is also accessible
- ◆ An explosion-proof system, as well as dependable interlock and earthing are all available
- ◆ Increase the ultimate product yield significantly
- ◆ The granulating line process is completely closed making it suited for a wide range of products
- ◆ Meet FDA/cGMP criteria for process tracking and traceability data display on touch screen, and terminal control and monitoring
- ◆ All of the parameters can be stored and they'll be transferred to an SD card or a USB drive
- ◆ It is possible to build up many levels of operating authority
- ◆ WIP's online cleaning method reduces work effort significantly

High Shear Mixer Function

- ◆ Following the loading of the materials into the high share mixer, the impeller creates granules by spinning the entire mixture in a tumbling action, resulting in the distribution of all dry and wet granules
- ◆ The chopper breaks up the huge lumps created during wet mixing, and both the Impeller and the chopper run at a slow speed when adding the Binder solution



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High Shear Mixer PRODUCT

High Shear Mixer Advantage

- ◆ A fast powder and wet granulation process
- ◆ Precise and accurate granule production
- ◆ Short powder drying time
- ◆ A predictable production processes
- ◆ Greater densification
- ◆ Reduces air pollution due to advanced dust handling properties
- ◆ Single equipment for Mixing-Granulating-Drying
- ◆ Uniform distribution of all formulation ingredients

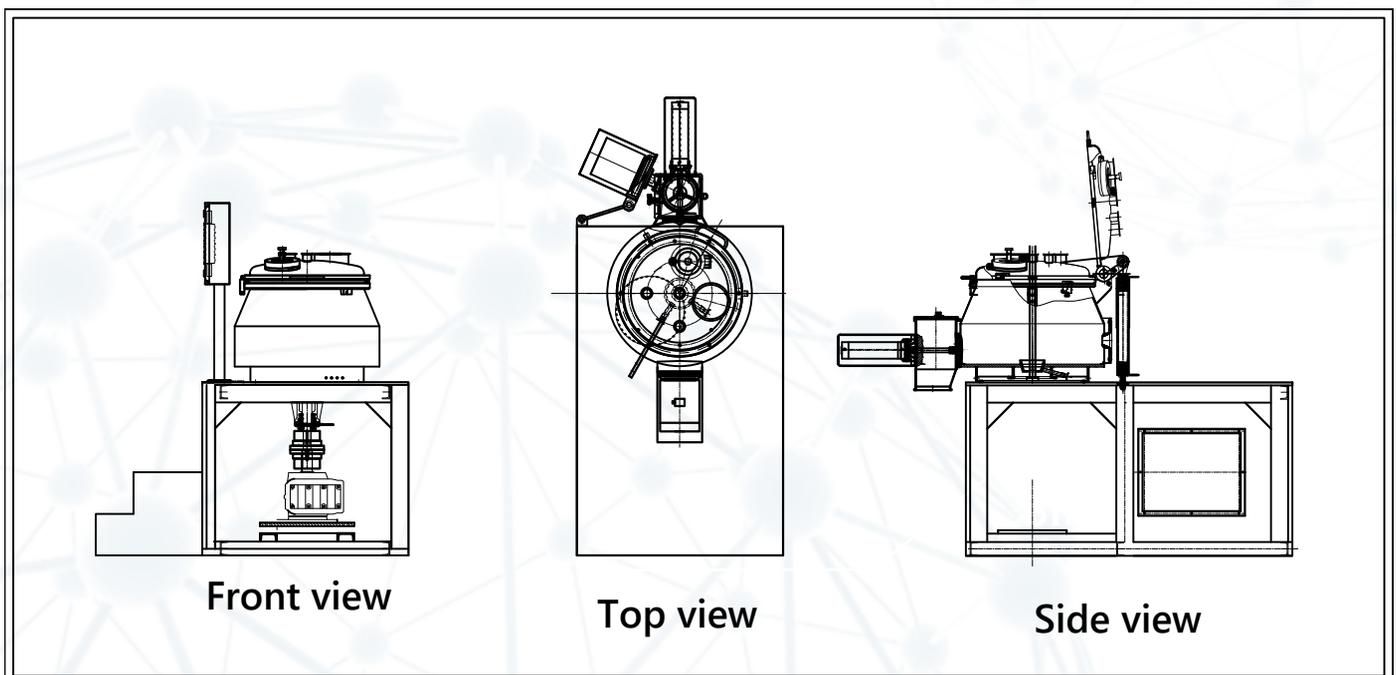
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High Shear Mixer PRODUCT



High Shear Mixer Application

- ◆ Pharmaceutical industry
- ◆ Health product
- ◆ Food industry
- ◆ Dery industry



High Shear Mixer Specification

Technical parameters

Model		GL-100	GL-200	GL-300	GL-400	GL-500	GL-600	GL-800
Hopper volume(L)		110	220	320	420	520	640	880
Effective volume(L)		40-80	65-175	95-250	125-335	140-450	150-500	220-700
Feeding volume(L)		20-40	32-85	47-152	62-165	70-225	75-250	110-350
Mixing rotation speed(rpm)		20-250	8-200	8-160	8-160	8-150	8-150	5-130
Cutting rotation speed(rpm)		300-2800	300-2800	300-2800	300-2800	300-2800	300-1500	300-1500
Mixing power(kw)		11	15	22	22	30	30	37
Cutting power(kw)		4	5.5	7.5	7.5	7.5	11	11
Compressed air	Pressure	0.4-0.6	0.4-0.6	0.4-0.6	0.4-0.6	0.4-0.6	0.4-0.6	0.4-0.6
	Consumption (M ³ /min)	0.2-0.8	0.2-0.8	0.2-0.8	0.2-1.1	0.2-1.1	0.2-1.5	0.2-1.5

High Platform High Shear Mixer

- Feature ■
- Function ■
- Advantage ■
- Application ■
- Specification ■

High Platform High Shear Mixer Feature

- ◆ Meet FDA/cGMP criteria for process tracking and traceability data display on touch screen, and terminal control and monitoring
- ◆ All of the parameters can be stored, and they'll be transferred to an SD card or a USB drive
- ◆ Increase the ultimate product yield significantly



It is possible to build up many levels of operating authority ◆

Contact product part material is stainless steel 316L ◆

High Platform High Shear Mixer Function

- ◆ Following the development of the wet mass, the impeller and chopper are driven at high speeds to achieve the desired Granule size
- ◆ The impeller can then discharge the wet granules through the outlet on the side of the mixing bowl that is flush with the bottom



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**High Platform
High Shear Mixer** PRODUCT

High Platform High Shear Mixer Advantage

- ◆ Short mixing and granulation time to achieve desired granules profile
- ◆ Uniform granules by gentle processing
- ◆ Wide range of applications
- ◆ Fully Automated System for GMP compliant

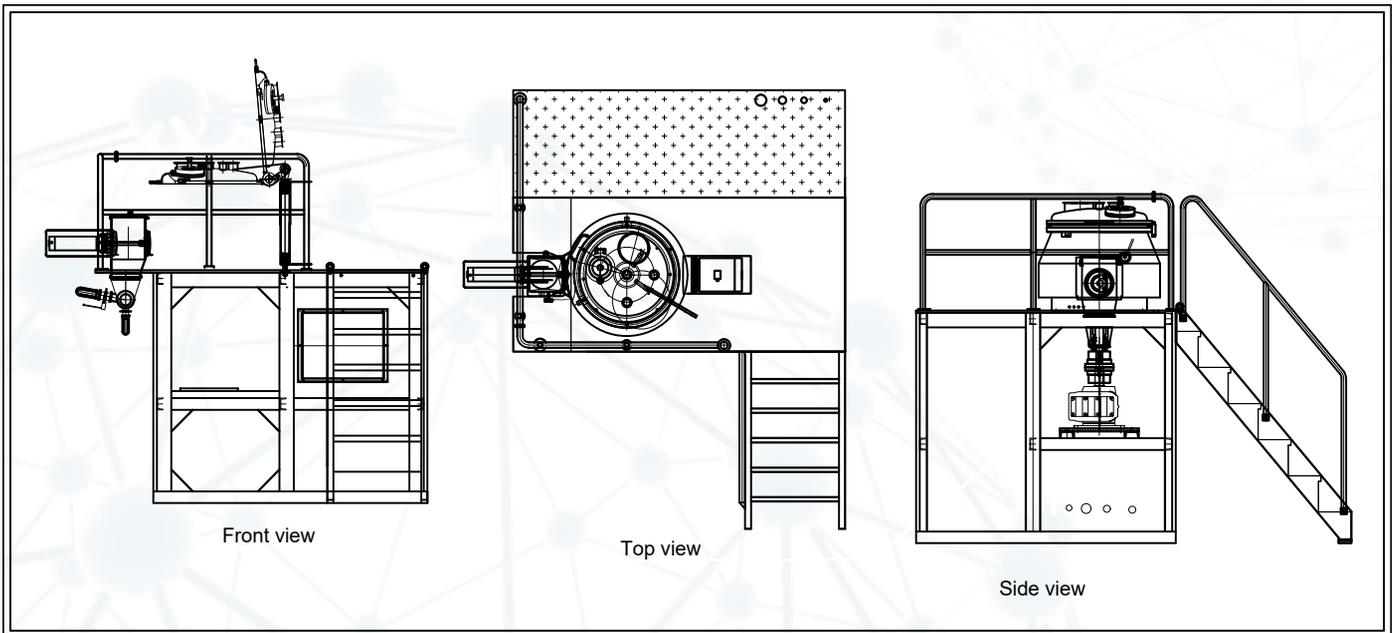
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High Platform High Shear Mixer PRODUCT



High Platform High Shear Mixer Application

- ◆ Pharmaceutical industry
- ◆ Health product
- ◆ Food industry
- ◆ Dery industry



High Platform High Shear Mixer Specification

Technical parameters

Model		GL-100	GL-200	GL-300	GL-400	GL-500	GL-600	GL-800
Hopper volume(L)		110	220	320	420	520	640	880
Effective volume(L)		40-80	65-175	95-250	125-335	140-450	150-500	220-700
Feeding volume(L)		20-40	32-85	47-152	62-165	70-225	75-250	110-350
Mixing rotation speed(rpm)		20-250	8-200	8-160	8-160	8-150	8-150	5-130
Cutting rotation speed(rpm)		300-2800	300-2800	300-2800	300-2800	300-2800	300-1500	300-1500
Mixing power(kw)		11	15	22	22	30	30	37
Cutting power(kw)		4	5.5	7.5	7.5	7.5	11	11
Compressed air	Pressure	0.4-0.6	0.4-0.6	0.4-0.6	0.4-0.6	0.4-0.6	0.4-0.6	0.4-0.6
	Consumption (M ³ /min)	0.2-0.8	0.2-0.8	0.2-0.8	0.2-1.1	0.2-1.1	0.2-1.5	0.2-1.5

Fluid Bed Dryer

- Feature ■
- Function ■
- Advantage ■
- Application ■
- Specification ■

Fluid Bed Dryer Feature

- ◆ Stainless steel 316L or 304 for contact product part
- ◆ Stainless steel 304 or carbon steel material dust collector
- ◆ Process times significantly reduced, rapid drying and uniform
- ◆ Siemens intelligent touch screen control system
- ◆ No dead zones in the product container
- ◆ Fluid bed dryer can work with high shear mixer
- ◆ Dust- free production fluid bed dryer can work with vacuum covers
- ◆ Steam heating or electric heating two kinds of heating modes



WIP systems for automated washing could be added to fluid bed dryers ◆

Fluidized bed driers can be provided with 2 bar, 10 bar or 12 bar explosion-proof ◆

Granules and powder dry easily, and there are no broken bits ◆

Intelligent touch screen operating system, automatic PLC control ◆

All the parameters can be memorable, transfer to SD card and USB ◆

Printer is available, printing process parameters ◆

Strongly aligned with cGMP guidelines ◆

Fluid Bed Dryer Function

- ◆ Fluid bed dryers operate on the fluidization principle, which is the conversion of a substance from a rigid solid-like state to a dynamic fluid-like state
- ◆ The yield of materials balance is higher
- ◆ The upward forces on the particles increase as the velocity of the gas or air, then forcing them to equalize the gravitational forces below
- ◆ Lower energy consumption, compare to the other equipment' s
- ◆ Each particle is in close contact with the hot gas or air and is surrounded by it
- ◆ Effective and uniform drying operation



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Fluid Bed Dryer PRODUCT

Fluid bed dryer Advantage

- ◆ The machine can handle a large volume of fluids
- ◆ Fast and homogeneous drying is ensured by Fluid Bed Dryers
- ◆ The Fluid Bed Dryer is ideal for non-sticky and heat-sensitive materials
- ◆ At low temperatures, fluid bed dryers are effective at drying materials
- ◆ Since the Fluid Bed Dryer is low-maintenance, it reduces downtime

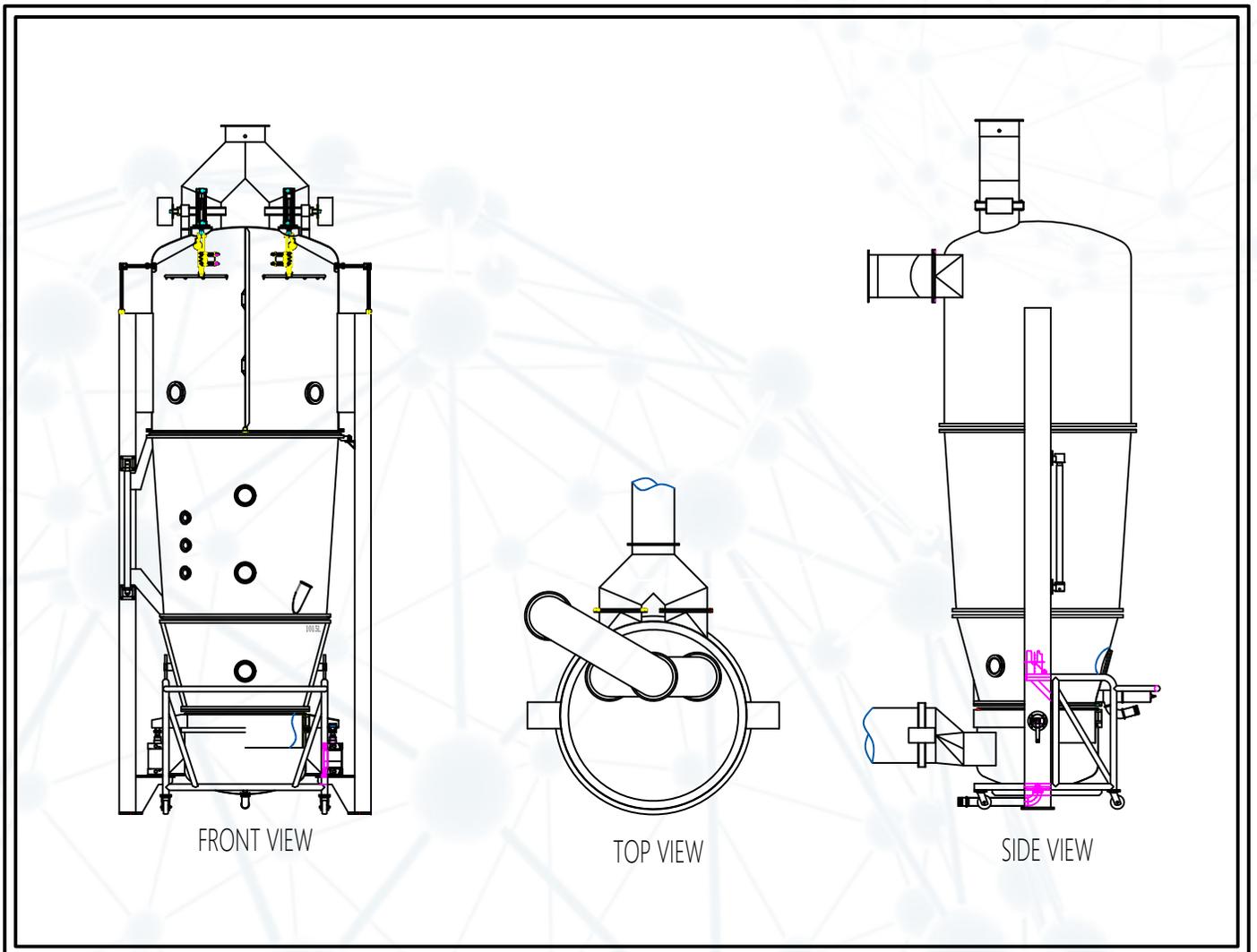
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Fluid Bed Dryer PRODUCT



Fluid bed dryer Application

- ◆ Pharmaceutical
- ◆ Health
- ◆ Food
- ◆ Chemical
- ◆ Dairy



Fluid Bed Dryer Specification

Technical parameters

Model		FBD-50	FBD-100	FBD-200	FBD-300	FBD-400	FBD-500	FBD-600	FBD-800	FBD-1000	FBD-1500
Product container(L)		50	100	200	300	400	500	600	800	1000	1500
Loading coefficient		0.3-0.9									
Production capacity(kg/batch)	Min	7.5	15	30	45	60	75	90	120	150	250
	Max	22.5	45	90	135	180	225	270	360	450	550
Material yield rate (%)		≥99									
Final water content (%)		Inlet air dehumidition device shall be additionally mounted									
Temperature adjusting range		100% Natural temperature-100									
Fan power		5.5	7.5	15	18.5/22	22/30	30/37	30/37	37/45	37/45	55
Noise(dB)		≤75 (Inside the clean room, with the fan installed separately)									
Steam (new air calculated according to C)	Pressure (Mpa)	0.4-0.6									
	Consumption(kg/h)	52	86	147	180	210	250	315	367	418	542
Compressed air	Pressure (Mpa)	0.4-0.6									
	Consumption(kg/h)	0.4	0.5	0.5	0.6	0.8	0.9	0.9	0.9	0.9	0.9
Cleaning medium		4	5	5	6	6	6	8	8	8	0.9

Fluid Bed Processor

- Feature ■
- Function ■
- Advantage ■
- Application ■
- Specification ■

Fluid Bed Processor Feature

- ◆ Fluid bed processor design for top spray granulation
bottom spray for coating, tangent spray for pellet
- ◆ It is simple to observe and adjust the external spray gun
- ◆ The design ensures that the coating is homogeneous and round, preventing particle damage
- ◆ High permeability and a faster drying rate than a centrifugal coater



Depending on the procedure, a distribution plate with various air porosity and permeability can be changed ◆

The spray gun's solution volume can be modified based on the loading capacity ◆

It's simple to charge and discharge, and it complies with FDA/cGMP guidelines ◆

Pellet coating is faster than bottom spray spraying and results in less material waste ◆

Fluid Bed Processor Function

- ◆ For drying, granulating, coating and pellet, a fluid bed processor is the most efficient option
- ◆ The idea of the fluid bed processor enables an incredibly rapid, soft, and uniform drying
- ◆ As a result, fluid bed dryers are frequently used in combination with granulators
- ◆ The Fluid bed dryer or Fluidized bed dryer becomes a granulator when a nozzle is attached
- ◆ Fluid Bed Granulates have a high degree of homogeneity
- ◆ Different factors can be used to regulate the granulate type across a wide range
- ◆ All parameters of the procedure and the Wurster coating process can be recorded and printed for study
- ◆ The operating idea of fluid bed processor allows you to dry, granulate, or coat particles all in one machine
- ◆ Fluid Bed Processor's unique technology allows top-spray fluid bed processor systems to be converted to bottom-spray fluid bed processor systems in only a few minutes. With just one product container, one can spray the top, bottom and tangent



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**Fluid Bed
Processor** PRODUCT

Fluid Bed Processor Advantage

- ◆ Easy handling and easy to clean
- ◆ Gentle drying
- ◆ Granulation
- ◆ Drug layering and coating for pellets
- ◆ Direct pelletizing

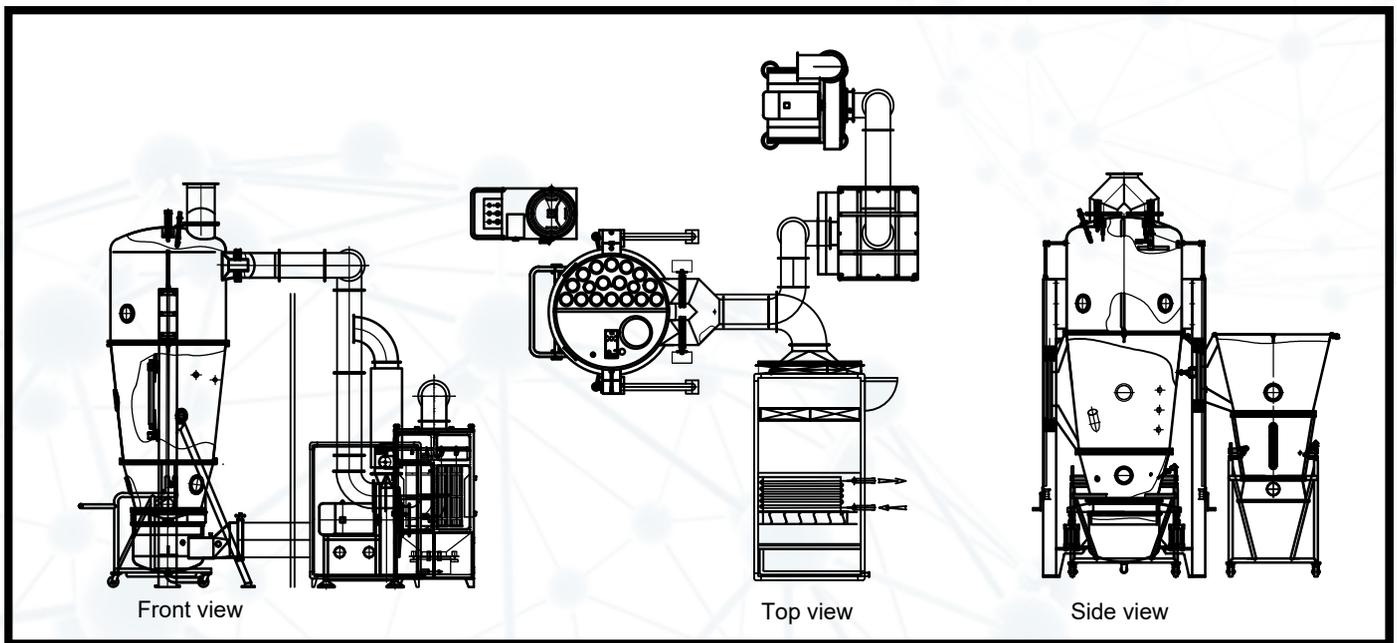
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Fluid Bed Processor PRODUCT



Fluid Bed Processor Application

- ◆ Pharmaceutical Industry
- ◆ Cosmetics Industry
- ◆ Health Food Industry
- ◆ Chemical Industry



Fluid Bed Processor Specification

Technical parameters

Model		FBM-10	FBM-25	FBM-50	FBM-75	FBM-100	FBM-200	FBM-300	FBM-400
Production capacity(kg/b)	Top spray	4	10	16	28	50	80	120	200
	Bottom spray	3	7	14	24	34	65	88	180
	Tangent spray	4	8	16	26	36	50	70	125
Volume of fluid bed (L)	Top spray	10	25	50	75	100	200	300	400
	Bottom spray	8	17	30	60	80	150	280	390
	Tangent spray	8	18	35	65	90	170	250	400
Steam	Consumption(kg/h)	20	50	85	110	200	230	260	292
	Pressure (Mpa)	0.4-0.6	0.4-0.6	0.4-0.6	0.4-0.6	0.4-0.6	0.4-0.6	0.4-0.6	0.4-0.6
Fan power(kw)		4	5.5	7.5	11	15	18.5	22	30
Compressed air	Consumption(m ³ /min)	0.3	0.5	0.6	0.7	0.8	0.8	0.9	0.9
	Pressure (Mpa)	0.4-0.6							
Working temperature(°C)		Automatic adjustment under the set temperature from normal teamparture to120°C							
Material yield rate (%)		≥99							
Equipment noise (dB)		≤70							

Fluid Bed Granulator

- Feature ■
- Function ■
- Advantage ■
- Application ■
- Specification ■

Fluid Bed Granulator Feature

- ◆ Stainless steel 316L or 304 for contact product part
- ◆ Stainless steel 304 or carbon steel material dust collector
- ◆ Process times significantly reduced
- ◆ Siemens intelligent touch screen control system
- ◆ No dead zones in the product container
- ◆ Fluid bed granulator can work with high shear mixer
- ◆ Dust- free production fluid bed granulator can work with vacuum covers
- ◆ Explosion proof as optional item



- ◆ Steam heating or electric heating two kinds of heating modes
- ◆ WIP systems for automated washing could be added to fluid bed dryers
- ◆ Fluidized bed granulator can be provided with 2 bar, 10 bar or 12 bar explosion-proof
- ◆ Intelligent touch screen operating system, automatic PLC control
- ◆ All the parameters can be memorable, transfer to SD card and USB
- ◆ Printer is available, printing process parameters
- ◆ Strongly aligned with cGMP guidelines

Fluid Bed Granulator Function

- ◆ In a fluidized bed granulator, granulation is accomplished by suspending the powder in the fluidized bed's air and then spraying the binder solution from nozzles positioned above or below the powder bed, depending on the granulator type



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**Fluid Bed
Granulator** PRODUCT

Fluid Bed Granulator Advantage

- ◆ Fluidized bed granulator is a single-unit system, it saves on labor, transfer loss, and time
- ◆ Once the settings have been optimized, the procedure can be automated
- ◆ Drying takes place in a consistent manner, preventing mottling

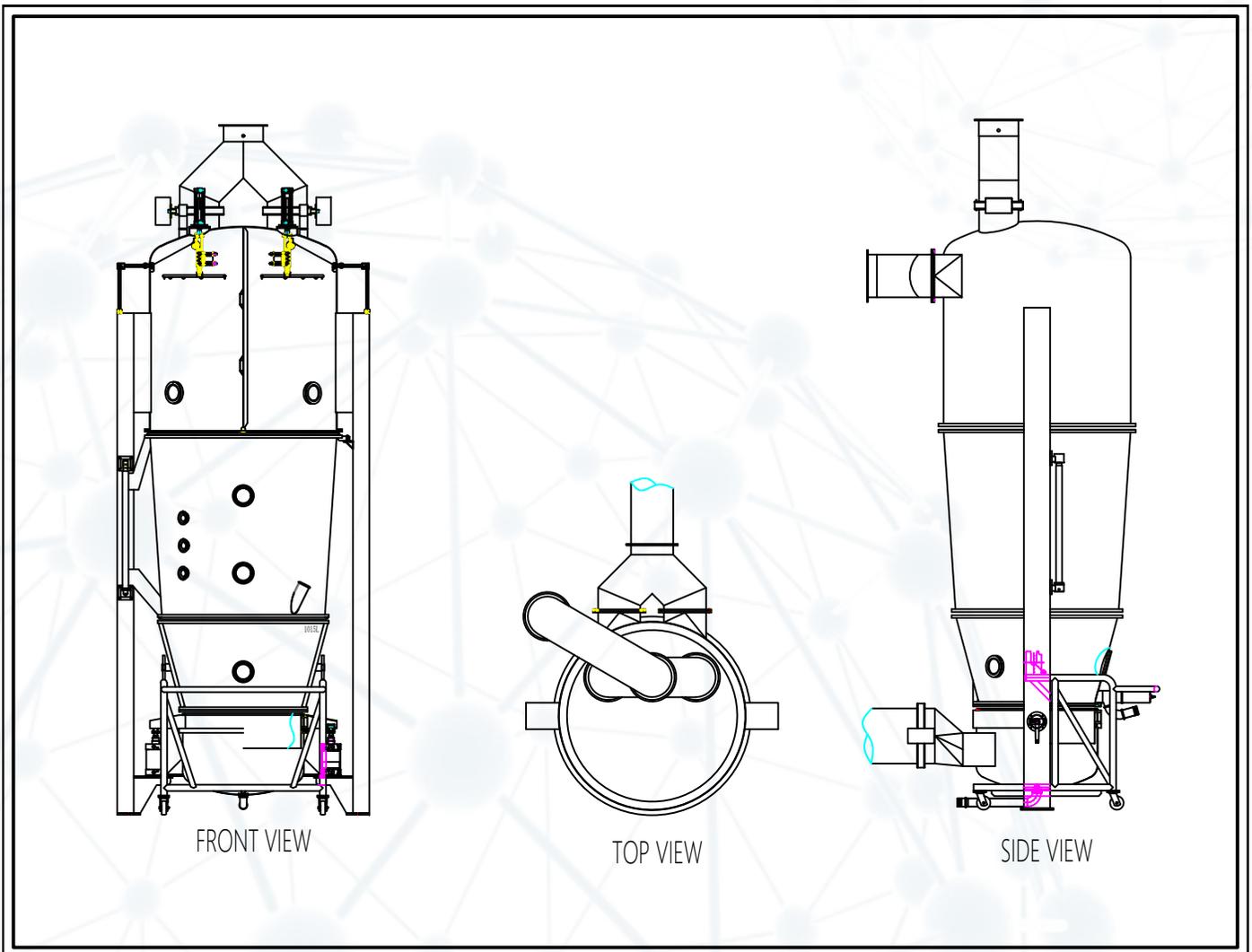
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Fluid Bed Granulator PRODUCT



Fluid Bed Granulator Application

- ◆ Pharmaceutical Industry
- ◆ Food Industry
- ◆ Health Food Industry
- ◆ Chemical Industry
- ◆ Dairy Industry



Fluid Bed Granulator Specification

Technical parameters

Model		FBG-50	FBG-100	FBG-200	FBG-300	FBG-400	FBG-500	FBG-600	FBG-800	FBG-1000	FBG-1500
Product container(L)		50	100	200	300	400	500	600	800	1000	1500
Loading coefficient		0.3-0.9									
Production capacity(kg/batch)	Min	7.5	15	30	45	60	75	90	120	150	250
	Max	22.5	45	90	135	180	225	270	360	450	550
Material yield rate (%)		≥99									
Final water content (%)		Inlet air dehumidition device shall be additionally mounted									
Temperature adjusting range		100% Natural temperature-100									
Fan power		5.5	7.5	15	18.5/22	22/30	30/37	30/37	37/45	37/45	55
Noise(dB)		≤75 (Inside the clean room, with the fan installed separately)									
Steam(new air calculated according to C)	Pressure (Mpa)	0.4-0.6									
	Consumption(kg/h)	52	86	147	180	210	250	315	367	418	542
Compressed air	Pressure (Mpa)	0.4-0.6									
	Consumption(kg/h)	0.4	0.5	0.5	0.6	0.8	0.9	0.9	0.9	0.9	0.9
Cleaning medium		4	5	5	6	6	6	8	8	8	8

Senieer fluid bed granulator makes granules perfect fluidity.

Vacuum Conveying

- Feature ■
- Function ■
- Advantage ■
- Application ■
- Specification ■

Vacuum Conveying Feature

- ◆ To complete the process in a closed condition with no contamination
- ◆ It is simple to change the sieve, and the process is quick and low-intensity
- ◆ The lifting mechanism is based on a hydraulic system which is both safe and dependable
- ◆ The height of your equipment may be customized to fit your arrangement



Fluid bed dryers and fluidized bed granulators can connect with vacuum conveying ◆

High vacuum, low energy consumption ◆

Dry cone mill connect with vacuum conveying as optional item ◆

Complies with the Good Manufacturing Practices(cGMP) for pharmaceutical manufacture ◆



Vacuum Conveying Function

- ◆ It is operated with equipment's such as FBG fluid bed dryer granulator or FBD fluid bed dryer for drying and homogenization of granules, and evenly qualified granules through sieving agglomerates from granulator according to your requirements.
- ◆ By using a vacuum conveying system, the materials are delivered to the cone mills pharma machine or next process machine as your process requirements.



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Vacuum

Conveying PRODUCT

Vacuum Conveying Advantage

- ◆ Vacuum pneumatic conveyors one of the most popular equipment for conveying materials from place to place
- ◆ It is ideal for transferring equipment for the materials as powder, granules

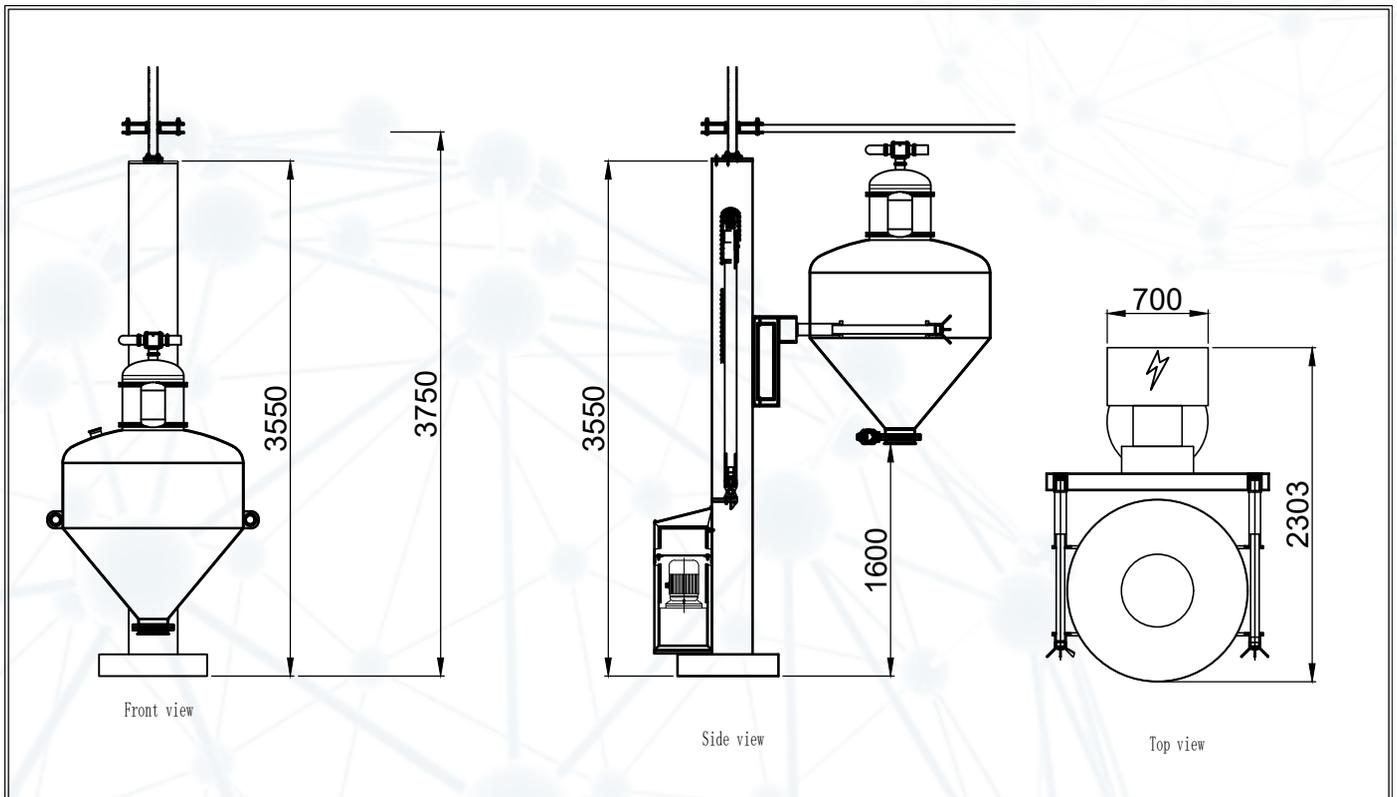
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Vacuum Conveying PRODUCT



Vacuum Conveying Application

- ◆ Pharmaceutical Industry
- ◆ Food Industry
- ◆ Health Food Industry
- ◆ Chemical Industry



Vacuum Conveying Specification

Technical parameters

Model	LVM-200	LVM-300	LVM-400	LVM-500	LVM-600	LVM-800	LVM-1000
Equipped with fluid bed equipment specification	200	300	400	500	600	800	1000
Buffering material container(L)	200	300	400	500	600	800	1000
Mill capacity(kg/h)	30~300	30~300	45~450	45~450	70~700	100~800	100~1000
Mill granularity range(mesh)	14-80 (Depending on mesh size)						
Lifting motor power(kw)	2.2	2.2	2.2	2.2	2.2	2.2	2.2

Senieer fluid bed granulator makes granules perfect fluidity.

Pharma Lifter For Bin

- Feature ■
- Function ■
- Advantage ■
- Application ■
- Specification ■

Pharma Lifter For Bin Feature

- ◆ Easy operation, cleaning, and maintenance
- ◆ The Pharma Lifter for Bin's column is constructed of unique channel steel
- ◆ It uses integrated control technologies to provide consistent and dependable results
- ◆ Hydraulic or mechanical lifting can be used in the lifting and drive system
- ◆ It improves manufacturing operations, reduces labor effort, and minimizes dust pollution



To avoid damage or mis operation, use an interlock system ◆

The equipment is adaptable and can handle a variety of batch sizes ◆

The working noise level is 70 decibels (A) ◆

The usual operating temperature ranges from 5°C to 40°C ◆

It complies with current Good Manufacturing Practices (cGMP) ◆

Pharma Lifter For Bin Function

- ◆ A column for lifting the main components of a bin are the column, the operating box, and the lifting system. Push the bin into the fork once it's working. Start the lifting system to lift the bin to a particular height, rotate the column horizontally to the process position, start the lower button to lower the bin to the needed position automatically, open the butterfly valve, and complete the next step



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**Pharma Lifter
For Bin** PRODUCT

Pharma Lifter For Bin Advantage

- ◆ Cost Savings
- ◆ Operation in Silence
- ◆ Handle Heavy and Eccentric Loads
- ◆ Extremely Adjustable Handles

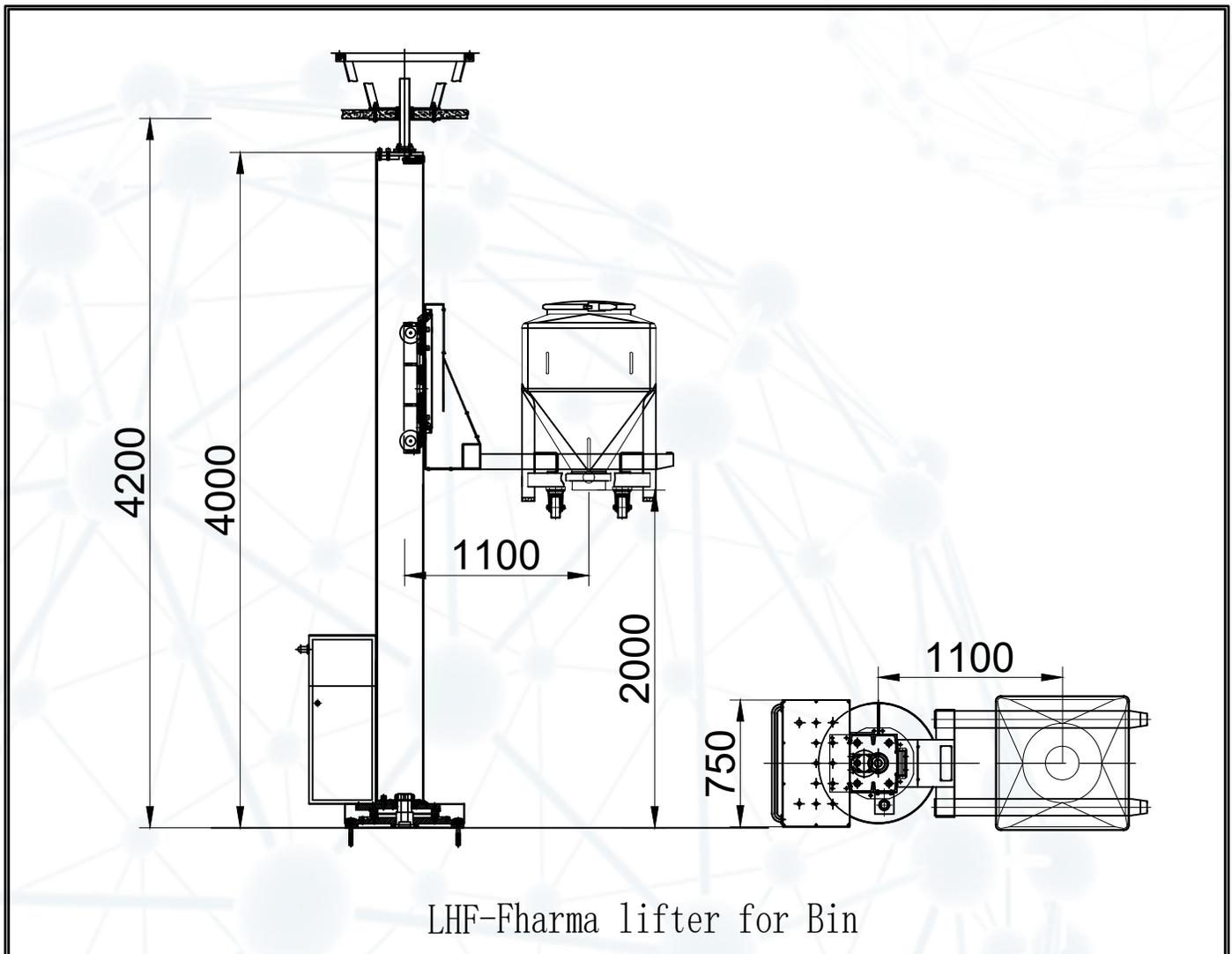
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Pharma Lifter For Bin PRODUCT



Pharma Lifter For Bin Application

- ◆ Pharmaceutical Industry
- ◆ Food Industry
- ◆ Health Food Industry
- ◆ Raw Material Industry
- ◆ Chemical Industry
- ◆ Cosmetics Industry



Pharma Lifter For Bin Specification

Technical parameters

Model	Main structural dimensions							Net load (kg)	Total power (kw)	Weight (T)
	L	L1	W	W1	H	H1	H2			
LHF-400	1810	620	600	750	4000	2500	3800	200	2.2	500
LHF-600	2010	620	800	750	4000	2500	3800	300	2.2	550
LHF-800	2010	620	800	750	4000	2500	3800	400	2.2	600
LHF-1000	2210	620	1000	750	4000	2500	3800	600	2.2	650
LHF-1200	2210	620	1000	750	4200	2500	4000	800	2.2	800
LHF-1500	2410	620	1200	750	4200	2500	4000	1000	3	850
LHF-1800	2410	620	1200	750	4300	2500	4100	1200	3	950
LHF-2000	2410	620	1200	750	4400	2500	4200	1500	3	1100

Moveable Column Lifter

- Feature ■
- Function ■
- Advantage ■
- Application ■
- Specification ■

Moveable Column Lifter Feature

- ◆ Austenitic stainless steel is used for the machine's body
- ◆ With no dead angle and a concave-convex face it's simple to clean
- ◆ Featured by small floor space, simple operation and good practicability
- ◆ The drum is raised to a specific height and turned in any direction
- ◆ It is characterized by ease of feeding and connection as well as high safety and dependability



It improves manufacturing operations, reduces labor intensity and minimizes dust pollution ◆

Anti-mis operation mechanism on a discharging butterfly valve ◆

It's easy to dismantle and clean, and it's well-sealed ◆

Drum with a locking mechanism and a sealing device ◆

Working without releasing dust or allowing materials to leak ◆

Both the inside and outside have been finely polished ◆

Moveable Column Lifter Function

- ◆ It works by first locking the drum with the cone adapter, then raising the drum with the raise button
- ◆ Push the equipment into the process location of the to-be-connected equipment
- ◆ By pressing the lower button, the butterfly valve is automatically lowered to the desired position and the next processing operation is initiated



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**Moveable
Colume Lifter** PRODUCT

Moveable Column Lifter Advantage

- ◆ This equipment is designed to transport, load and discharge raw materials in/on/form the IBC or the drum

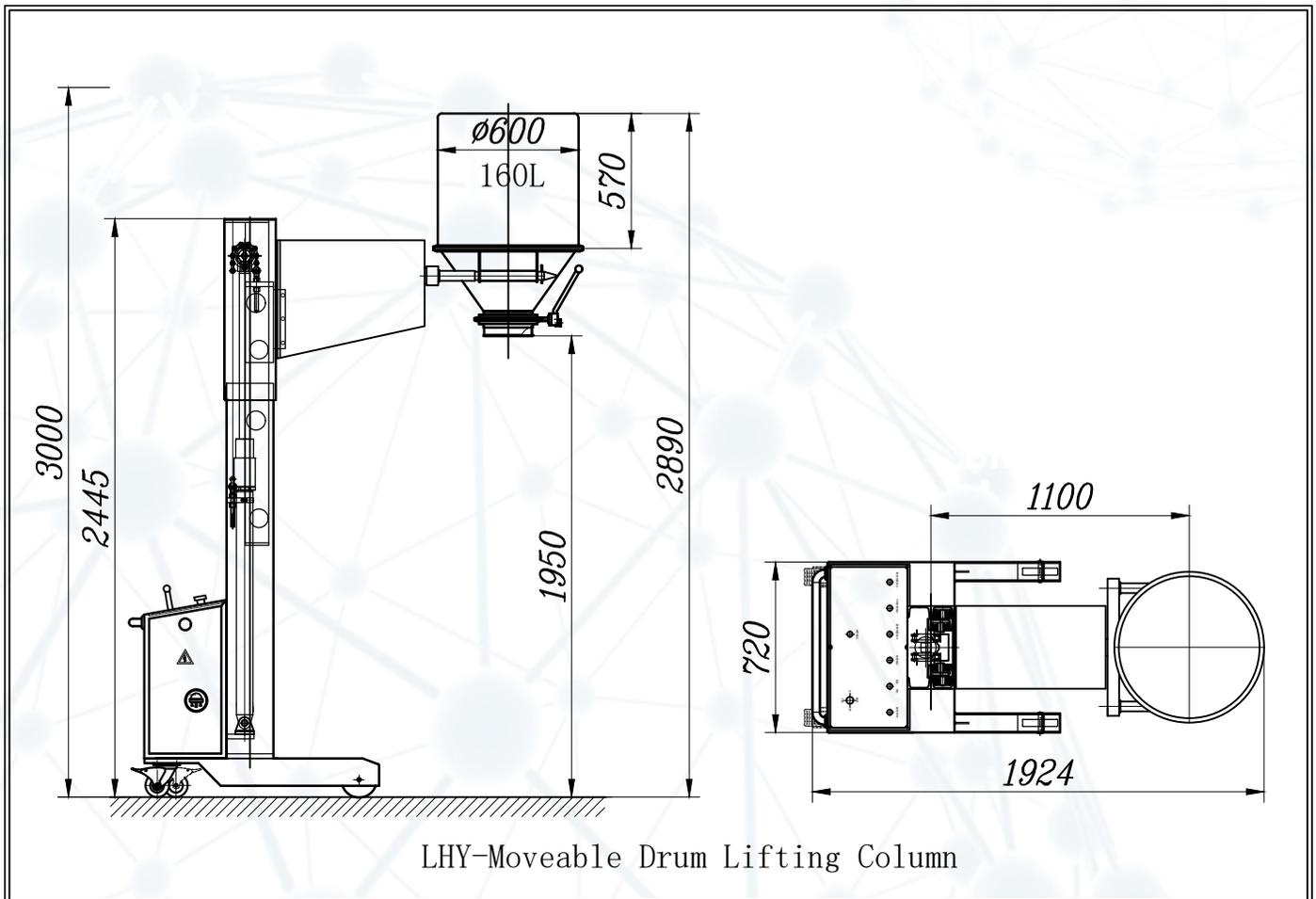
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Moveable Column Lifter PRODUCT



Moveable Column Lifter Application

- ◆ Pharmaceutical Industry
- ◆ Food Industry
- ◆ Health Food Industry
- ◆ Raw Material Industry
- ◆ Chemical Industry
- ◆ Cosmetics Industry



Moveable Column Lifter Specification

Technical parameters

Model	Main structural dimensions									Net load (kg)	Total power (kw)	Weight (T)
	L	L1	L2	W	H	H1	H2	H3	DN			
LHY-50	1700	950	500	650	2800	1800	1950	2580	150	50	1.5	310
LHY-100	1980	1060	600	750	3000	1800	1950	2740	200	100	2.2	420

Fixed Column Lifter

- Feature ■
- Function ■
- Advantage ■
- Application ■
- Specification ■

Fixed Column Lifter Feature

- ◆ The machine's body is made of austenitic stainless steel
- ◆ It's easy to clean since it has no dead angles and a concave-convex face
- ◆ The drum is rotated in either direction after being lifted to a certain height
- ◆ It has a high level of safety and dependability as well as convenience of feeding and connecting



It enhances production processes, lowers labor effort and reduces dust pollution ◆

A discharging butterfly valve's anti-mis operation mechanism ◆

It's simple to disassemble and clean, as well as well-sealed ◆

A locking mechanism and a sealing device for a drum ◆

Fixed Column Lifter Function

- ◆ It operates by locking the drum with the cone adapter before elevating it with the raise button
- ◆ Push the equipment into the to-be-connected equipment's process site
- ◆ The butterfly valve is automatically lowered to the proper position when the lower button is pressed



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Fixed Column Lifter PRODUCT

Fixed Column Lifter Advantage

- ◆ This equipment is designed to discharge raw materials for the next process
- ◆ It is able to carry heavy load

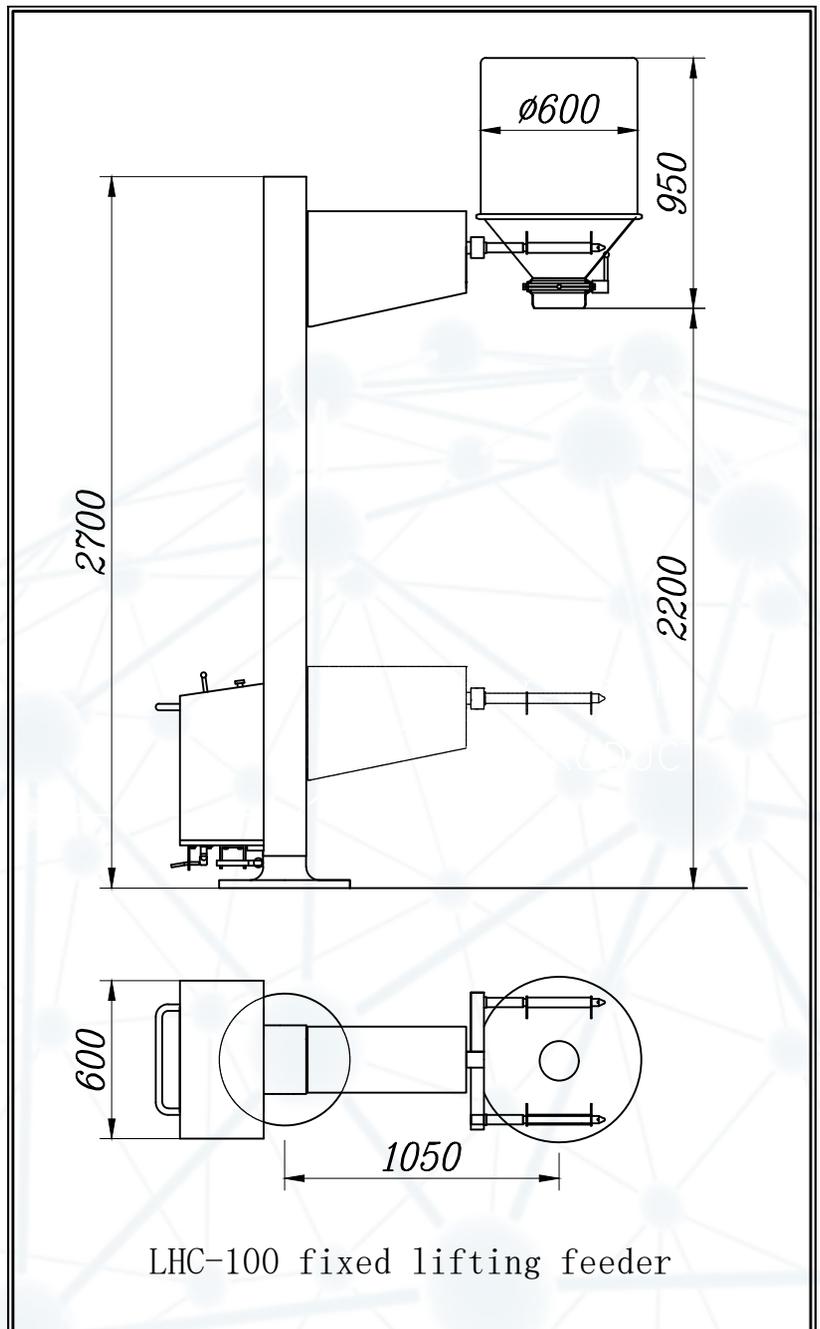
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Fixed Column Lifter PRODUCT



Fixed Column Lifter Application

- ◆ Pharmaceutical Industry
- ◆ Food Industry
- ◆ Health Food Industry
- ◆ Raw Material Industry
- ◆ Chemical Industry
- ◆ Cosmetics Industry



Fixed Column Lifter Specification

Technical parameters

Model	Main structural dimensions						Net load (kg)	Total power (kw)	Weight (T)
	L	W	H	H1	H2	ND			
LHC-50	1900	620	3200	1950	1800	150	50	1.5	350
LHC-100	1960	720	3400	1950	1800	200	100	2.2	450
LHC-100	1960	720	3600	1950	1600	200	150	2.2	530

LHM Pharma Lifter With Cone-Mill

- Feature ■
- Function ■
- Advantage ■
- Application ■
- Specification ■

LHM Pharma Lifter With Cone-Mill Feature

- ◆ The Pharma Lifter for Bin's column is composed of unique channel steel with cone-mil
- ◆ It uses integrated control technology to provide consistent and dependable performance
- ◆ Hydraulic or mechanical lifting can be used in the lifting and drive system
- ◆ It improves manufacturing operations, decreases labor intensity and minimizes dust pollution



- To avoid damage or incorrect operation, use an interlock ◆
- The equipment is adaptable and can handle a variety of batch sizes ◆
- Different size sieves are interchangeable for cone-mill ◆
- Uniform size reduction of dry material for cone-mil ◆
- The roughness of the inner surface is less than 0.4μm about cone-mill ◆

LHM Pharma Lifter With Cone-Mill Function

- ◆ The conical hopper is assembled onto the bowl during operation. Turn the bowl to the desired position when it has been raised. The bowl is lowered to work height, the cone-mill is started, the butterfly valve is opened, and the materials are transported to the next operation



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**LHM Pharma Lifter
With Cone-Mill** PRODUCT

LHM Pharma Lifter With Cone-Mill Advantage

- ◆ Shifting
- ◆ Transferring
- ◆ Cost Savings
- ◆ Operation in Silence

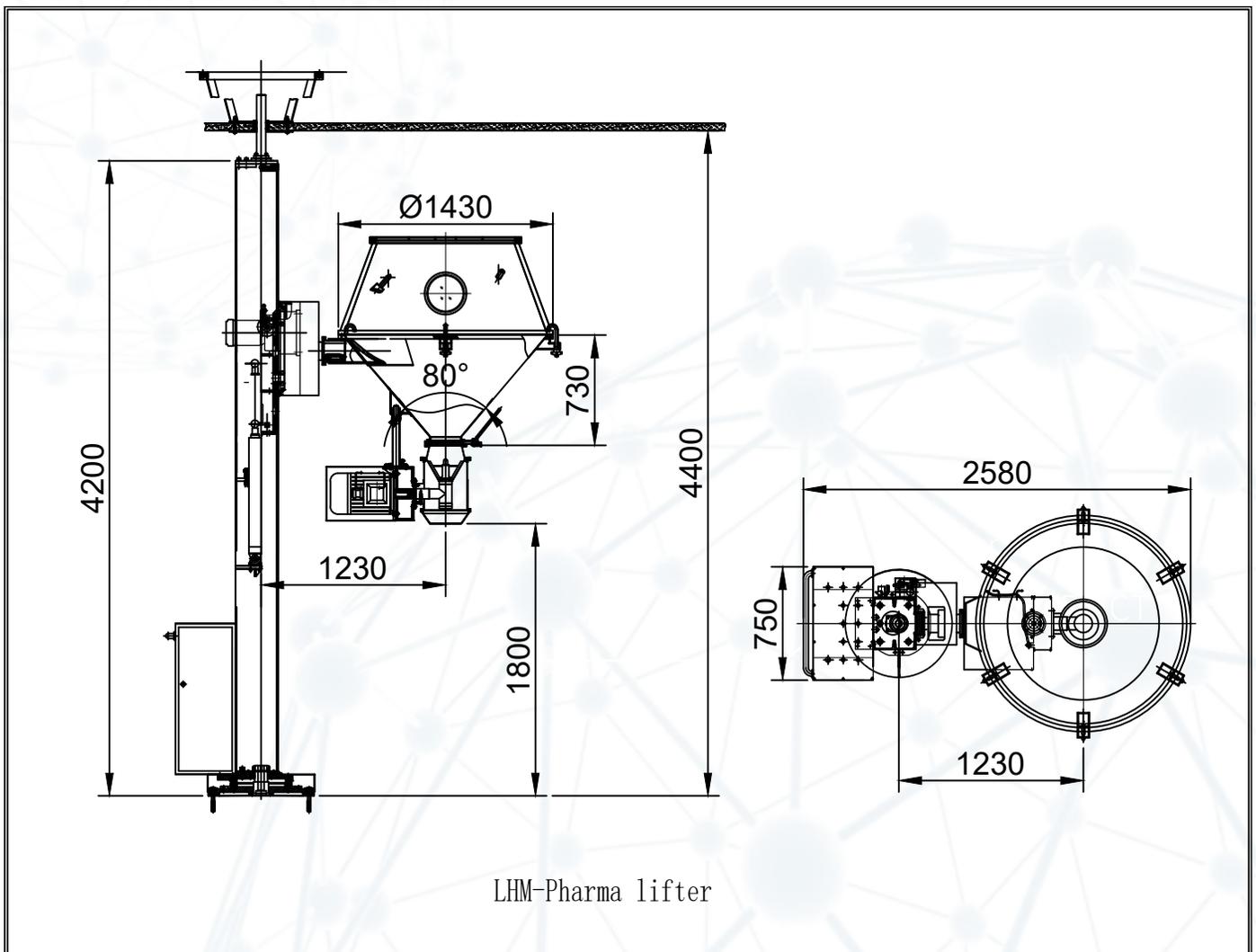
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LHM Pharma Lifter With Cone-Mill PRODUCT



LHM Pharma Lifter With Cone-Mill Application

- ◆ Pharmaceutical Industry
- ◆ Food Industry
- ◆ Health Food Industry



LHM Pharma Lifter With Cone-Mill Specification

Technical parameters

Model	LHM-200	LHM-300	LHM-400	LHM-500	LHM-600	LHM-800	LHM-1000
Equipped with fluid bed equipment specification	200	300	400	500	600	800	1000
Buffering material container(L)	200	300	400	500	600	800	1000
Mill capacity(kg/h)	30-300	30-300	45-450	45-450	70-700	100-800	100-1000
Mill granularity range(mesh)	14~80 (Depending on mesh size)						
Total power(kw)	5.5	5.5	5.5	5.5	6.5	6.5	6.5

LHT Pharma Lifter Without Cone-Mill

- Feature ■
- Function ■
- Advantage ■
- Application ■
- Specification ■

LHT Pharma Lifter Without Cone-Mill Feature

- ◆ Operation is simple, and cleaning and maintenance is simple
- ◆ The Pharma Lifter for Bin's column is constructed of unique channel steel without cone-mill
- ◆ It uses integrated control technologies to provide consistent and dependable results
- ◆ Hydraulic or mechanical lifting can be used in the lifting and drive system



It improves manufacturing operations, decreases labor intensity and minimizes dust pollution ◆

To avoid damage or incorrect operation, use an interlock ◆

The equipment is adaptable and can handle a variety of batch sizes ◆

The working noise level is at ≤ 70 decibels (A) ◆

LHT Pharma Lifter Without Cone-Mill Function

- ◆ During operation, the fluid bed dryer, fluid bed processor, or fluid bed granulator's product container is precisely mounted onto the conical hopper
- ◆ To lift the container, press the lifting button and spin it 180 degrees
- ◆ Ensure that the column is horizontally aligned with the following process equipment's feeding port
- ◆ To begin discharge, open the butterfly valve



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LHT Pharma Lifter
Without Cone-Mill PRODUCT

LHT Pharma Lifter Without Cone-Mill Advantage

- ◆ It is an appropriate device for transferring solid materials from the container of a fluid bed dryer, fluid bed granulator, or fluid bed processor to the next processing equipment after granulating and drying

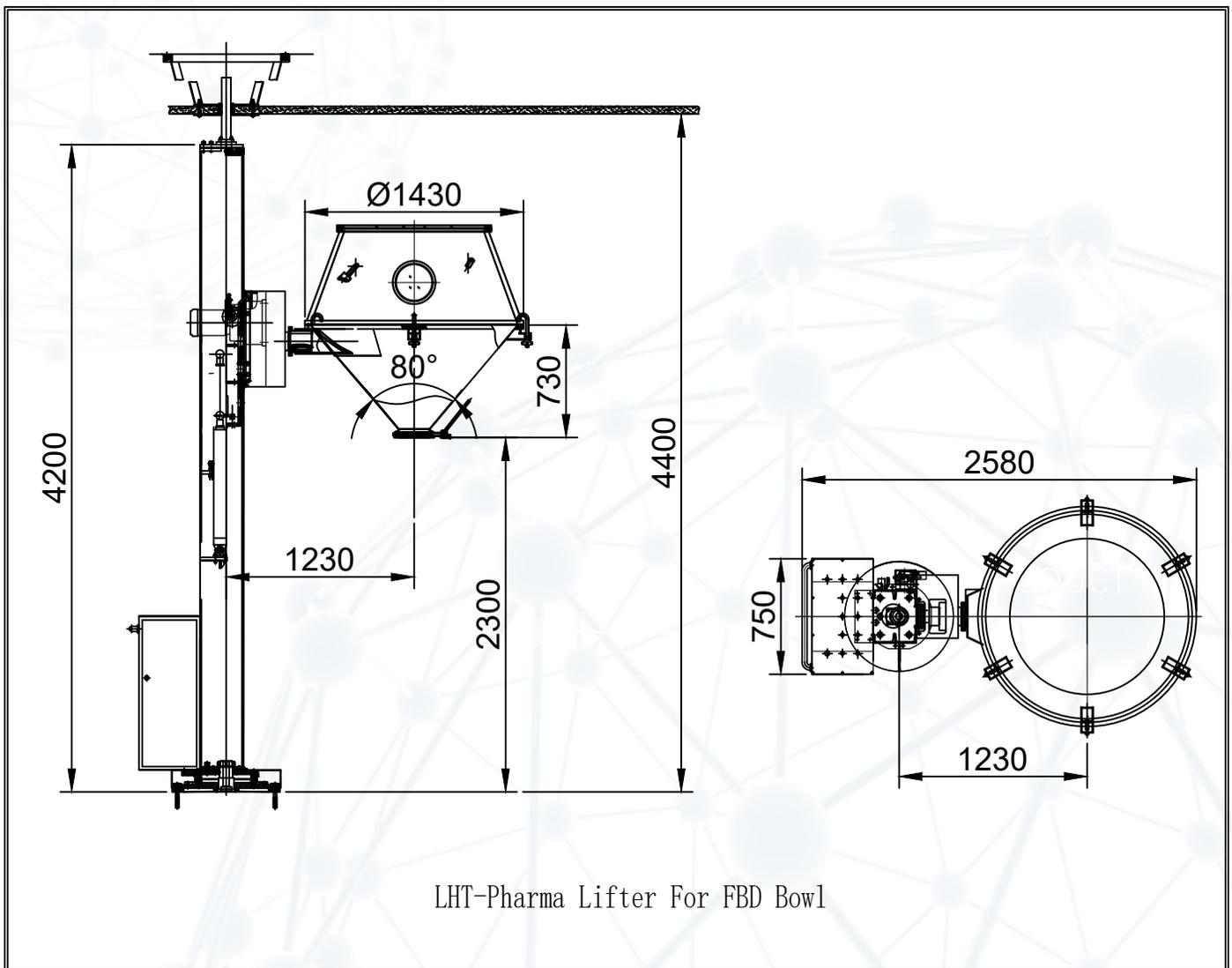
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LHT Pharma Lifter Without Cone-Mill PRODUCT



LHT Pharma Lifter Without Cone-Mill Application

- ◆ Pharmaceutical Industry
- ◆ Food Industry
- ◆ Health Food Industry
- ◆ Chemical Industry



LHT Pharma Lifter Without Cone-Mill Specification

Technical parameters

Model	LHT-200	LHT-300	LHT-500	LHT-800	LHT-1000
Equipped with fluid bed equipment specification	100~200	300	400~500	600	800~1000
Rated lifting weight(kg)	200	300	500	800	1000
Max lifting weight(kg)	260	400	650	1040	1300
Mill granularity range(mesh)	14~80(Depending on mesh)				
Crotch turning angle	180°				
Column turning angle	360°				
Lifting motor power	2.2	2.2	2.2	2.2	2.2
Turning motor power	0.75	0.75	1.5	1.5	1.5

Table Lab Cone Mill

- Design Features ■
- Application & Process ■
- Advantage ■
- Specification ■

Table Lab Cone Mill Design Feature

- ◆ Design is cGMP - Current Good Manufacturing Practices compliance.
- ◆ All contact parts AISI 316L/316 & non-contact parts AISI 304.
- ◆ Indiscriminately granulation & fewer fines.
- ◆ Wet and dry materials size reduction.
- ◆ Easy transportability.



Table Lab Cone Mill Application & Process

- ◆ Table to Laboratory cone-mill is used for make a uniforms shape in pharmaceutical industry pharmacy colleges and R&D institutions and for research and development of pharmaceutical products food industry products, chemical industry products and cosmetic products.
- ◆ It is a self-contained portable unit useful for uniforms shape, mixing and size reduction. The Cone-mill operates on the principle of Rubbing force by cone blade and rotating within a selected cone screen to get the required size reduction.
- ◆ The material is fed in the hopper, shredded and milled through cone blade consisting of Cone Blade and Cone Sieve. The rotation speed and direction of cone blade could be adjusted through control panel. The material then passes in discharge hopper through the cone screen in gravity force which helps keeping the temperature low and avoids chocking of material during the process. The material is collected in the container placed under the hopper.
- ◆ In cone mill particle size reduction is done through rubbing of material by cone blades moving at high speeds, inside a cone sieve.



Table Lab Cone Mill Advantage

- ◆ Low maintenance
- ◆ Competitive price
- ◆ Low heat and dust
- ◆ AISI 316 for contact parts and non-contact sections use AISI 304
- ◆ Suitable for small spaces and is easy to store
- ◆ Suitable for use on tabletops with fixed support available

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Cone Mill PRODUCT

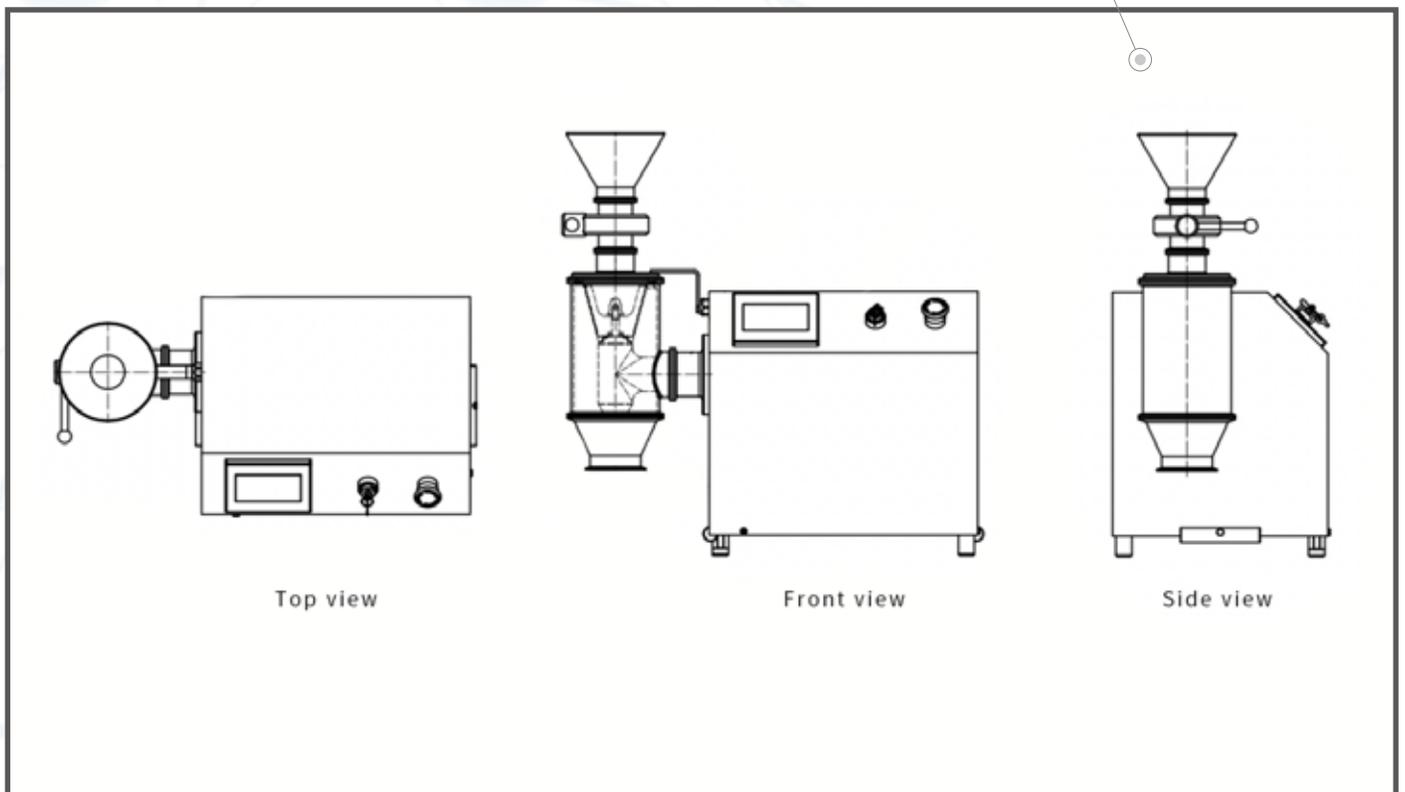


Table Lab Cone Mill Specification

Technical parameters

Model	MTMS25	
Mesh size	Round (Φmm)	Square (mm)
	0.5-3.0	3*3-10*10
Rotation speed(rpm)	0-3000	
Production capacity(kg/h)	02-50	
Power(kw)	0.75	

Note: Actual production capacity according to sieve size and material condition



Cone Mill

- Feature & Benefit ■
- Function ■
- Advantage ■
- Optional Feature ■
- Feeding Process ■
- Safety Feature ■
- Specification ■

Cone Mill Feature & Benefit



- ◆ Small space occupies
- ◆ Low weight, low noise
- ◆ De-agglomeration of agglomerates
- ◆ Different size sieves are interchangeable
- ◆ The roughness of the inner surface is less than 0.4μm
- ◆ Ideal to the FDA/cGMP standard
- ◆ All Product contact parts AISI 316/ 316L & non-contact parts AISI 304. And also, SS 303

Uniform size reduction of wet material and also dry material ◆

Easily removable contact parts for cleaning inspection and easy Mobility ◆

Easy operation, maintain and clean ◆

Sieve sizes are available for round (Φ0.5, Φ0.6, Φ0.8 Φ1.0, Φ1.2, Φ1.5, Φ1.8, Φ2.0, Φ2.5, Φ3.0) mm ◆

Sieve sizes are available for square (3*3, 4*4, 5*5, 8*8, 10*10) mm ◆

The process meets the dust-free production requirements ◆



Cone Mill Function

- ◆ Cone-mills is mainly used in pharmaceutical, chemical, food and health industries.
- ◆ A cone-mill is a machine used to reduce the size of material in a uniform manner.



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Cone Mill PRODUCT

Cone Mill Advantage

- ◆ It increases the surface area of particles
- ◆ Promotes dosage uniformity
- ◆ Improves the formulation's dissolution rate and hence its absorption in the board.
- ◆ Boosts the bioavailability of the drug.
- ◆ Size reduction also improves the powder's flow, bulk density, and compactness.
- ◆ The sieves and the impeller can be changed easily and quickly.

- ◆ The cone shape makes it hard for the residual powder to build up.
- ◆ They have some of the lowest noise level and low heat generation.
- ◆ Their versatility makes them suited for many industrial size reduction processes.
- ◆ Gentle milling leading to a low fraction of fines.
- ◆ Hygienic, since they are easy to clean.
- ◆ Produce uniform particle sizes.
- ◆ Have high-hourly capacities.
- ◆ Less labor-intensive.

Cone Mill Optional Features

- ◆ Belt less Drive.
- ◆ Inline milling process with High share mixer for wet cone-mill.
- ◆ Inline vacuum transfer milling.
- ◆ Milling process with lifter.

Cone Mill Feeding Process

- ◆ Hand feeding.
- ◆ Vacuum feeding.
- ◆ Gravity feeding.

Cone Mill Safety Features

- ◆ Limit switch at charging & Discharge hopper.
- ◆ Over load protection.
- ◆ Flame Proof electrical.



Cone Mill Specification

Technical parameters

Model	MTM450		MTM700		MTM1000	
Mesh size	Round (Φmm)	Square (mm)	Round (Φmm)	Square (mm)	Round (Φmm)	Square (mm)
	0.5-3.0	3*3-10*10	0.5-3.0	3*3-10*10	0.5-3.0	3*3-10*10
Rotation speed(rpm)	300-940		300-940		300-940	
Production capacity(kg/h)	45-450		70-700		100-1000	
Power(kw)	2.2		3		3	

Note: Actual production capacity according to sieve size and material condition



BCV Post Bin Blender

- Feature ■
- Function ■
- Advantage ■
- Specification ■

BCV Post Bin Blender Feature



- ◆ Complete all steps of the mixing process automatically
- ◆ Device is fully automated and the control panel is simple to use
- ◆ To document and print working parameters a printer is provided
- ◆ Post Bin Blender with excellent safety features

Without vibration, the rotation is stable and accurate ◆

Material discharging is simple and quick with drum vacuum, trolley, are available ◆

Inner surface roughness is less than 0.4μm
outside surface roughness is less than 0.8μm ◆

Contact product part SS316L or SS304 are available ◆



BCV Post Bin Blender Function

- ◆ The Senieer BCV Series Post Bin Blender is mainly used for mixing granules and powder in solid dosage production.
- ◆ It's an excellent piece of mixing equipment for pharmaceutical plants.
- ◆ It will perform all of the mixing hopper's functions automatically, including clamping, raising, mixing, and lowering.



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BIN PRODUCT

BCV Post Bin Blender Advantage

- ◆ Reduces Blend Times
- ◆ Total Product Containment
- ◆ Eliminate Airborne and Cross-Contamination

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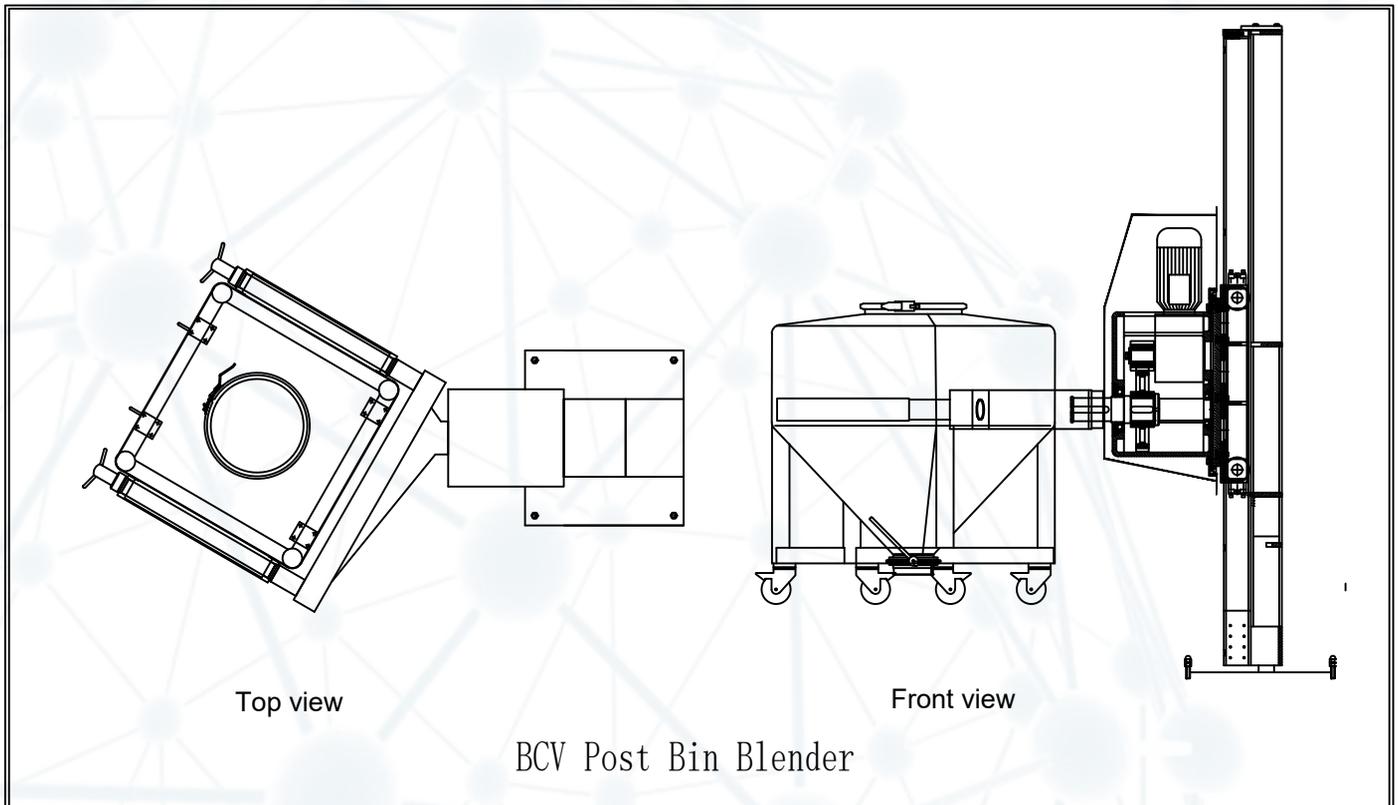
Post Bin Blender PRODUCT



BCV Post Bin Blender Specification

Technical parameters

Model	Main Structural dimension							Mixing Rotation speed (rpm)	Net Load (kg)	Total Power (kw)	Weight (T)
	L	L2	W	H	H1	H2	DN				
BCV-100	2240	1300	1200	800*620	2100	2300	1450	3-20	70	3.7	0.66
BCV-200	2240	1500	1200	800*620	2100	2300	1450	3-20	130	4.4	0.7
BCV-300	2400	1560	1200	800*620	2100	2300	1520	3-20	160	4.4	0.85
BCV-400	2400	1600	1360	800*620	2300	2500	1700	3-20	230	5.2	1
BCV-500	2600	1730	1360	800*620	2300	2500	1930	3-20	270	5.2	1.3
BCV-600	2600	1850	1620	800*620	2600	2800	2250	3-20	330	5.2	1.6
BCV-800	2800	2000	1620	900*800	2800	3000	2250	3-15	450	6.2	1.8
BCV-1000	2800	2000	1620	900*800	2800	3100	2400	3-15	560	6.2	1.9



BDV Bin Blender

- Feature ■
- Function ■
- Advantage ■
- Specification ■

BDV Bin Blender Feature



- ◆ BDV Bin blender equipped with an infrared safety device
- ◆ BDV Bin blender available in a multitude of sizes and configurations
- ◆ Stable efficiency, reasonable structure design
- ◆ A simple process ensures that manufacturing is secure and efficient
- ◆ It has a discharging butterfly valve to prevent mis-operation as well as various safety interlocking mechanisms

IBC blending system ◆
intelligent PLC control, and a graphical HMI

Both the inner and exterior surfaces ◆
are polished to a high standard

Designed hygienically ◆
(utilizes stainless steel for each cover)

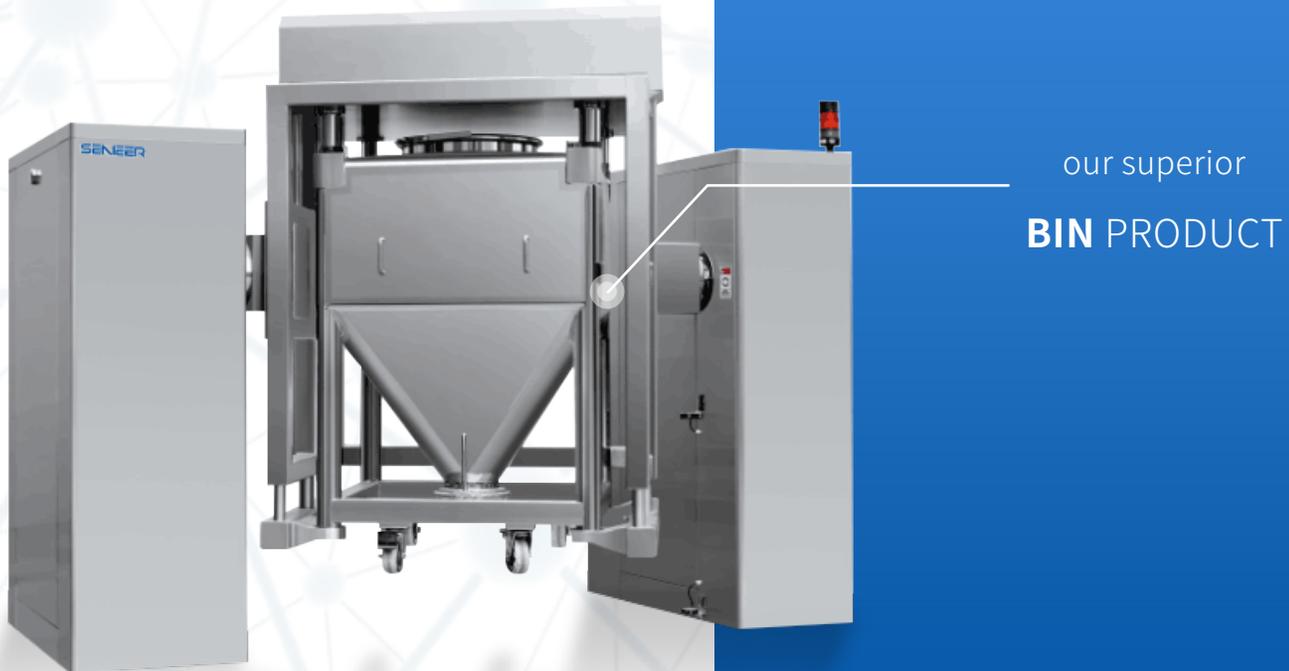
No dead angle, no cross-contamination, and easy to clean ◆

Ideal to the FDA/ cGMP standard ◆



BDV Bin Blender Function

- ◆ The Bin Blender is the most widely used solid powder and granules mixing equipment with advantages such as high homogeneous mixing, high material loading time, and movable pharma bins that make loading, mixing, unloading, and cleaning much easier.
- ◆ Bin Blender bind to upstream and downstream equipment to form a solid granulation line, effectively avoids dust and cross-contamination.
- ◆ Senieer BDV Series IBC Blending is a lifting-type rotary mixer
- ◆ It consists of a base, driving system, lifting system and lowering system, braking system, and PLC control system



BDV Bin Blender Advantage

- ◆ Bins also have the advantage of being able to be charged and released away from the mixer
- ◆ This ensures that the materials would not contaminate the blender
- ◆ Additionally, time is saved when it comes to charging and washing
- ◆ IBC Bin Blenders are also suitable for use in multi-product situations where the system would mix a variety of products in a limited amount of time

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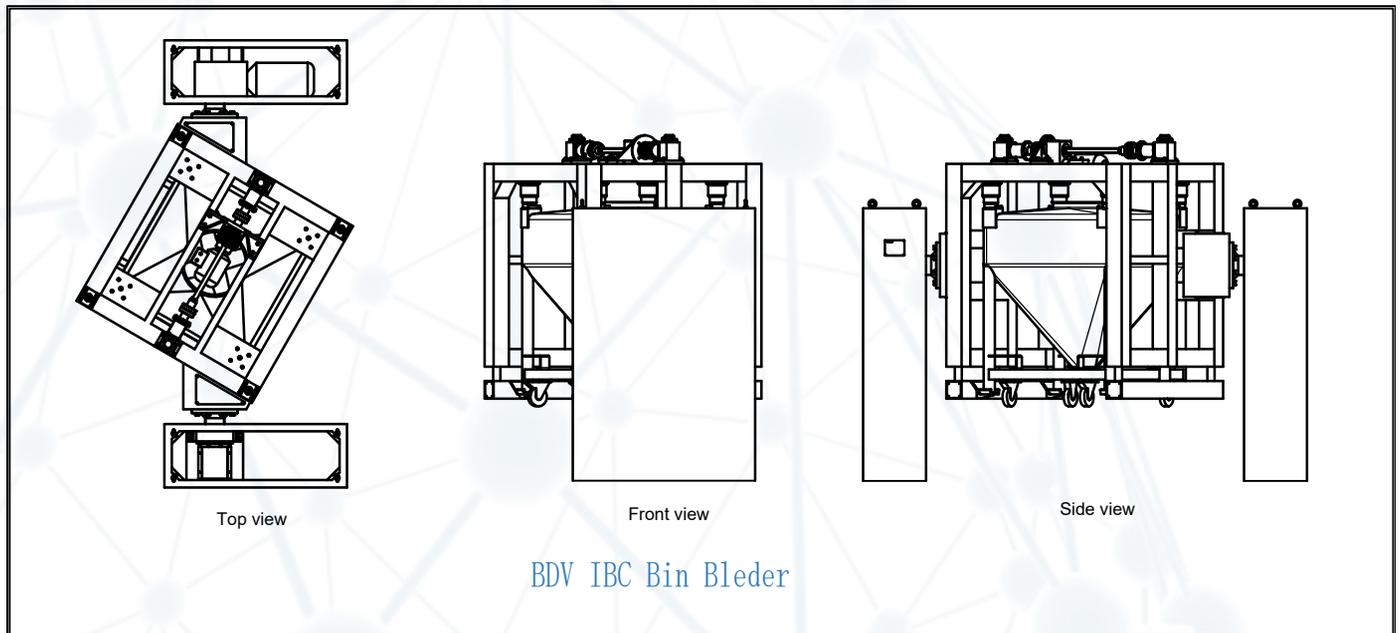
Bin Blender PRODUCT



BDV Bin Blender Specification

Technical parameters

Model	BDV-200	BDV-600	BDV-800	BDV-1000	BDV-1200	BDV-1500	BDV-1800	BDV-2000
Model	400	600	800	1000	1200	1500	1800	2000
Model	256	384	512	640	768	960	1152	1280
Model	3-15	3-15	3-15	3-15	3-15	3-15	3-15	3-15
Model	5.5	7	7	8.5	8.5	10.5	11.5	11.5
Model	≤75	≤75	≤75	≤75	≤75	≤75	≤75	≤75



BDN Fix Bin Blender

- Feature ■
- Function ■
- Advantage ■
- Specification ■

BDN Fix Bin Blender Feature



- ◆ With a huge output volume and easy cleaning and maintenance, this machine is excellent
- ◆ The automated control mechanism for the Fixed Bin Blender is based on a PLC and an HMI
- ◆ Structure that is rational, output that is consistent and process that is simple
- ◆ The infrared protection system is mounted on the Holder Type Bin Blender
- ◆ On the surface, there is no dead angle or concave-convex face

Inner surface roughness is less than 0.4m and the butterfly valve is of high-quality polish with a protection feature to prevent incorrect operation. ◆

With adjustable mixing time and rpm the loading coefficient can reach up to 80% ◆

The uniformity of the mixing process will hit 99 percent ◆

It complies with FDA and cGMP guidelines ◆



BDN Fix Bin Blender Function

- ◆ BDN Series Fixed Bin Blenders are widely used in pharmaceutical industry mainly for mixing of granules and powder
- ◆ BDN Series Fixed Bin Blenders widely used in such as raw material industry, chemical industry, foodstuff industry, etc.



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BIN PRODUCT

BDN Fix Bin Blender Advantage

- ◆ It has advantage of stable transmission, reliable structure, large mixing amount homogenous blending for dry granules and powder

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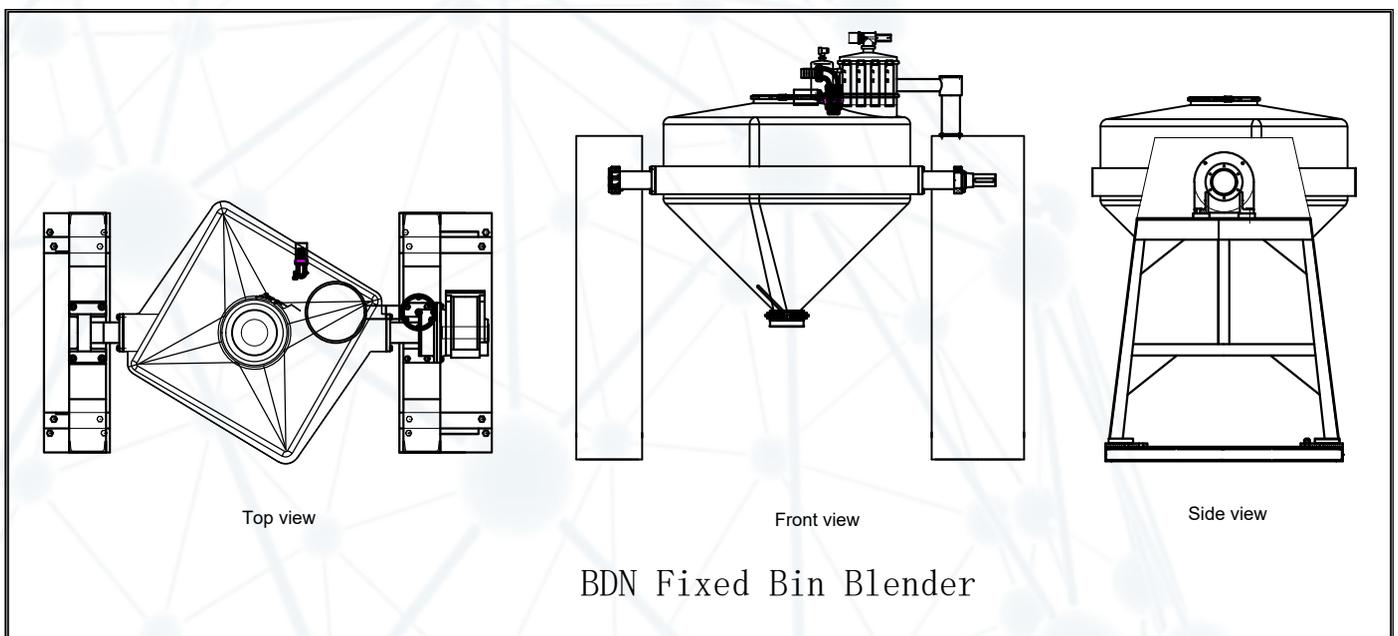
Fix Bin Blender PRODUCT



BDN Fix Bin Blender Specification

Technical parameters

Model	Main Structural dimension									Mixing Rotation speed (rpm)	Net Load (kg)	Total Power (kw)	Weight (T)
	L	W	W1	F	H	H1	H2	H3	T				
BDN-1500	2850	2189	1400	1200	4000	3000	2520	800	2.5	3-15	800	5.5	1.5
BDN-2000	3050	2250	1400	1400	4200	3250	2750	820	3	3-15	1100	5.5	1.9
BDN-3000	3650	2730	1800	1500	4600	3460	2950	800	4	3-15	1650	7.5	2.8
BDN-4000	4300	3250	2000	1600	5500	4250	3600	900	4	2-10	2200	7.5	3.3
BDN-5000	4500	3400	2200	1800	5600	4400	3700	1000	5	2-10	2600	11	4
BDN-6000	5000	3800	2500	2000	5600	4700	3900	1000	5	2-10	3400	11	5.3
BDN-8000	5500	4300	2850	2200	5900	5100	4100	1200	6	1-6	4400	15	6.3
BDN-10000	5700	4500	2850	2300	6000	5500	4400	1200	6	1-6	5500	15	7.5



BSL Lab Bin Blender

- Feature ■
- Function ■
- Advantage ■
- Specification ■

BSL Lab Bin Blender Feature



- ◆ Simple to use, maintain, and clean
- ◆ Small space and low power consumption
- ◆ With a mini printer, it can record and print data

HMI and intelligent PLC management ◆

Pharma bins of various sizes may be swapped out ◆



BSL Lab Bin Blender Function

- ◆ Senieer BSL Series Laboratory Bin Blender is widely used in the solid dosage production in pharmaceutical laboratory, university laboratory, also used in chemical, food, health food industries.
- ◆ The lab bin blenders adopt the most advanced design, featured by reasonable structure, stable performance and simple operation



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BIN PRODUCT

BSL Lab Bin Blender Advantage

- ◆ Senieer laboratory blenders are easy to use for all material blending processes
- ◆ The blending bin can realize fast replacement of bins
- ◆ Different volumes and shapes according to your different varieties of materials process requirements

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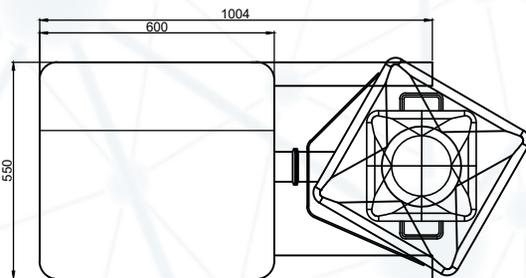
Lab Bin Blender PRODUCT



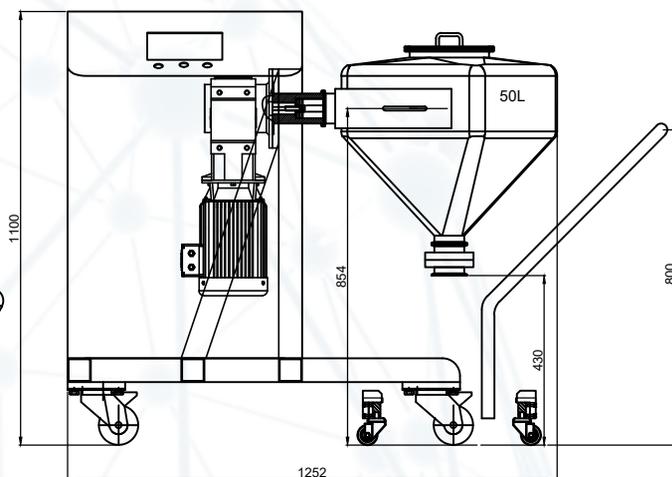
BSL Lab Bin Blender Specification

Technical parameters

Model	BSL-5	BSL-10	BSL-15	BSL-20	BSL-30	BSL-50
Bin volume(L)	5	10	15	20	30	50
Effective volume(L)	1.2-2.4	2.4-4.8	6-12	8-16	12-24	20-40
Feeding volume(kg)	0.6-12	1.2-2.4	3-6	4-8	6-12	10-20
Rotation speed(rpm)	3-18	3-18	3-18	3-18	3-18	3-18
Power(kw)	0.25	0.25	0.25	0.37	0.37	0.55



Top View



Front View

CST IBC Bin

- Feature ■
- Function ■
- Advantage ■
- Specification ■

CST IBC Bin Feature



- ◆ Senieer bins are cGMP complaint equipment (deal to the GMP compliant)
- ◆ Made for high grade ss steel (Designed hygienically utilizes stainless steel 316L or 304)
- ◆ It can be use pharmaceutical, health product food and chemical industries
- ◆ IBC Bins can be either storage and transfer

Ease of cleaning and movement ◆

Inner tank mirror-polished $RA \leq 0.4\mu m$ ◆

Outside of tank drawback polished $RA \leq 0.8\mu m$ ◆

Welding part $RA \leq 0.5\mu m$. (Optional) ◆



CST IBC Bin Function

- ◆ Transportation of the materials from one place to another is made possible through them
- ◆ Used for storage and transfer
- ◆ Used for storing and handling heavy chemicals and toxic materials



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Bin PRODUCT

CST IBC Bin Advantage

- ◆ Hygienic and easy to clean
- ◆ Square IBC Bin has a fine polished finish with adequate hopper angle for complete discharge and easy cleaning

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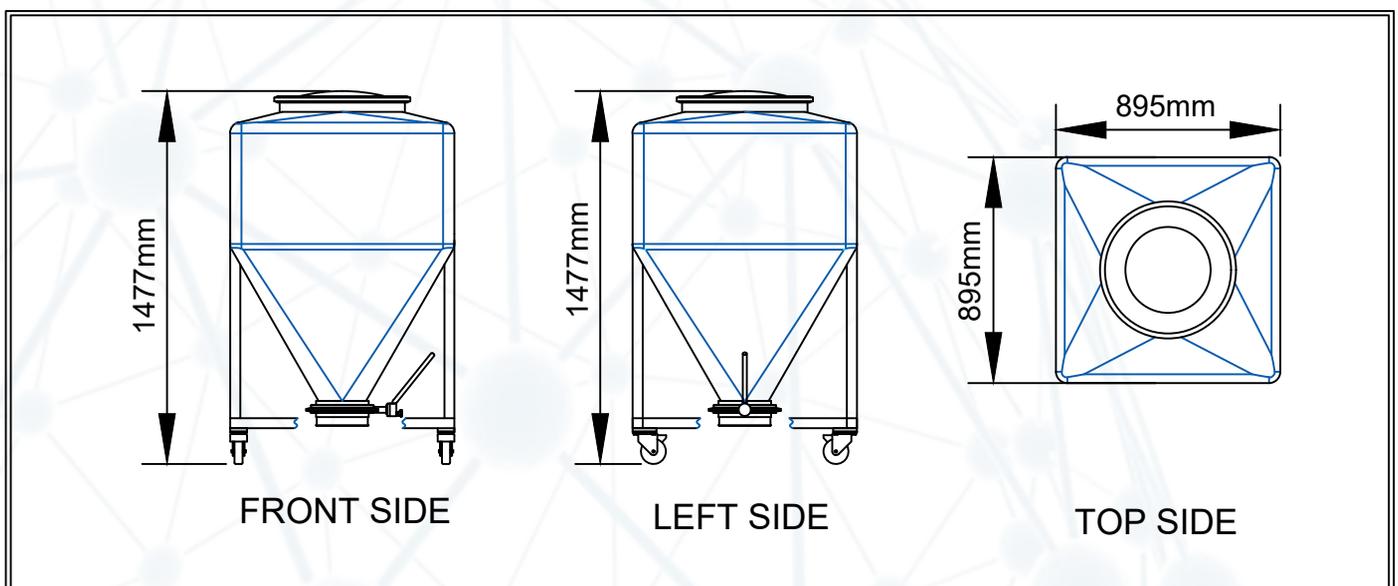
Bin PRODUCT



CST IBC Bin Specification

Technical parameters

Model	Volume	Main Structural dimension				Weight (Kg)
		A	H	DN	T	
CST-400	400	800	1287	200	2.5	120
CST-600	600	1000	1366	200	2.5	168
CST-800	800	1000	1545	200	2.5	185
CST-1000	1000	1200	1586	250	2.5	254
CST-1200	1200	1200	1736	250	2.5	275
CST-1500	1500	1200	1873	250	2.5	311
CST-1800	1800	1200	1983	250	3	328
CST-2000	2000	1200	2238	250	3	357



CSB Pharma Bin

- Feature ■
- Function ■
- Advantage ■
- Specification ■

CSB Pharma Bin Feature



- ◆ Over 30 years Pharma Bin manufacturing experience
- ◆ Material transfers easy and convenient
- ◆ Convenient maintenance and cleaning
- ◆ Ideal to the FDA/cGMP standard
- ◆ Senieer bins are cGMP complaint equipment (deal to the GMP compliant)
- ◆ Made for high grade ss steel (Designed hygienically utilizes stainless steel 316L or 304)

It can be use pharmaceutical health product, food and chemical industries ◆

Bin has a fine polished finish with adequate hopper angle for complete discharge and easy cleaning ◆

Internal surface roughness $RA \leq 0.4\mu m$ ◆

Outer surface polish roughness $RA \leq 0.8\mu m$ ◆

It is ideal bin for IBC Bin Blender ◆



CSB Pharma Bin Function

- ◆ Used for mixing granules and powder products
- ◆ Prevent cross-contamination of products
- ◆ Transport, storage and blending containers



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BIN PRODUCT

CSB Pharma Bin Advantage

- ◆ Hygienic and easy to clean
- ◆ Mixing Bin design reduces pollution and contamination
- ◆ It is easy to maintain high hygiene standards of bins

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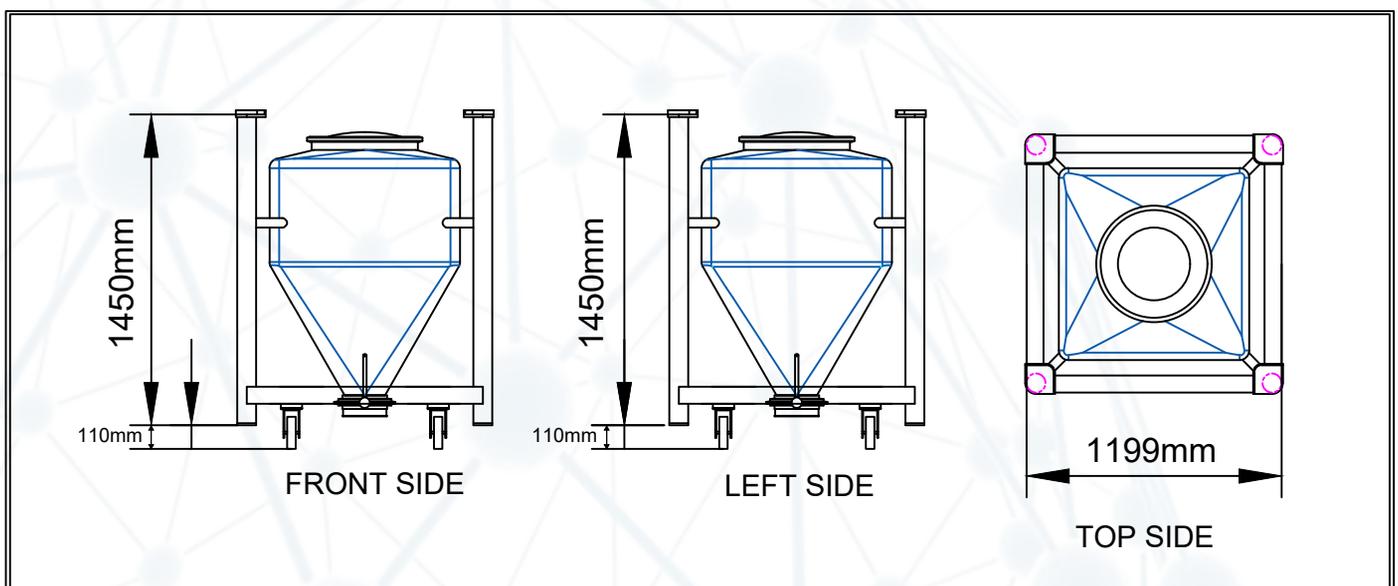
BIN PRODUCT



CSB Pharma Bin Specification

Technical parameters

	Volume	Main Structural dimension				Weight (Kg)
		A	H	DN	T	
CSB-400	400	800	1287	200	2.5	120
CSB-600	600	1000	1366	200	2.5	168
CSB-800	800	1000	1545	200	2.5	185
CSB-1000	1000	1200	1586	250	2.5	254
CSB-1200	1200	1200	1736	250	2.5	275
CSB-1500	1500	1200	1873	250	2.5	311
CSB-1800	1800	1200	1983	250	3	328
CSB-2000	2000	1200	2238	250	3	357



CPT Mixing Bin

- Feature ■
- Function ■
- Advantage ■
- Specification ■

CPT Mixing Bin Feature



- ◆ Mixing Bin is easy to wash & clean
- ◆ No dead angle, no cross contamination
- ◆ Cost competitive, it fully meets FDA/cGMP requirements
- ◆ Bin has a fine polished finish with adequate hopper angle for complete discharge and easy cleaning
- ◆ Easy to clean and maintain without dead angle and concave-convex face
- ◆ Inner tank mirror-polished $RA \leq 0.4\mu m$

Outside of tank drawback polished $RA \leq 0.8\mu m$ ◆

Cost competitive, it fully meets FDA/cGMP requirements ◆

Made for high grade ss steel
(Designed hygienically utilizes stainless steel 316L or 304) ◆

It is ideal bin for Post Bin Blender ◆

Welding part $RA \leq 0.5\mu m$. (Optional) ◆



CPT Mixing Bin Function

- ◆ Used for mixing granules and powder products
- ◆ Used for solid powder blending equipment field
- ◆ High material loading rate
- ◆ Prevent cross-contamination of products



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Bin PRODUCT

CPT Mixing Bin Advantage

- ◆ Hygienic and easy to clean
- ◆ Mixing Bin design reduces pollution and contamination
- ◆ It is easy to maintain high hygiene standards of bins

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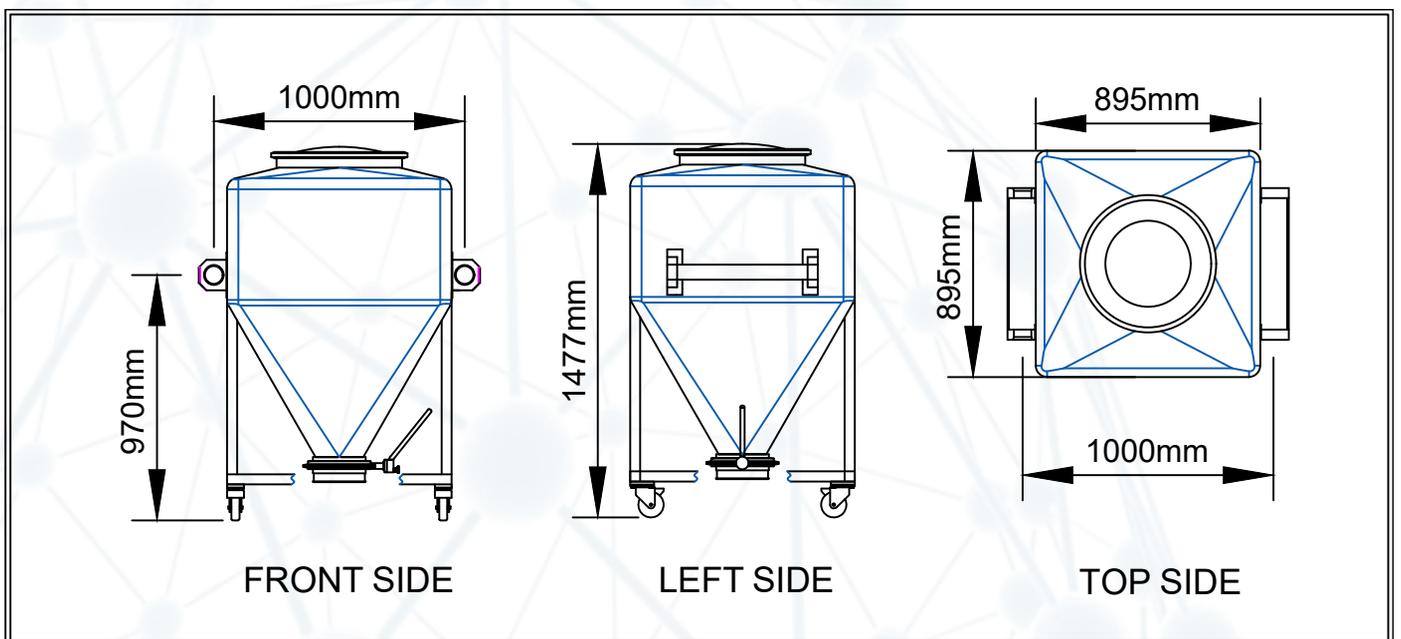
Bin PRODUCT



CPT Mixing Bin Specification

Technical parameters

Model	Volume	Main Structural dimension				Weight (Kg)
		A	H	DN	T	
CPT-400	400	800	1287	200	2.5	120
CPT-600	600	1000	1366	200	2.5	168
CPT-800	800	1000	1545	200	2.5	185
CPT-1000	1000	1200	1586	250	2.5	254



Drum

- Feature ■
- Function ■
- Advantage ■
- Application ■
- Specification ■

Drum Feature

- ◆ High quality at a low cost
- ◆ Customize the drum to suit your requirements
- ◆ There is no dead angle, and there is no cross contamination
- ◆ Maintenance and cleaning are easy and convenient



The FDA/cGMP standard is ideal ◆

There is no dead angle, no concave-convex face, no screw and no surface remnant ◆

The outside surface has been polished to a high standard ◆

Austenitic stainless steel is used to make the drums ◆

Drum Function

- ◆ This is the component that transports the products from one location to another
- ◆ It also serves as a storage area for materials



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DRUM PRODUCT

Drum Advantage

- ◆ It is easy to clean
- ◆ Stainless steel Drum have a high corrosion and impact resistance so its contents are safe from compromise in many transports or storage situations or disasters
- ◆ It is durable, hygienic for material handling applications where close containment is required

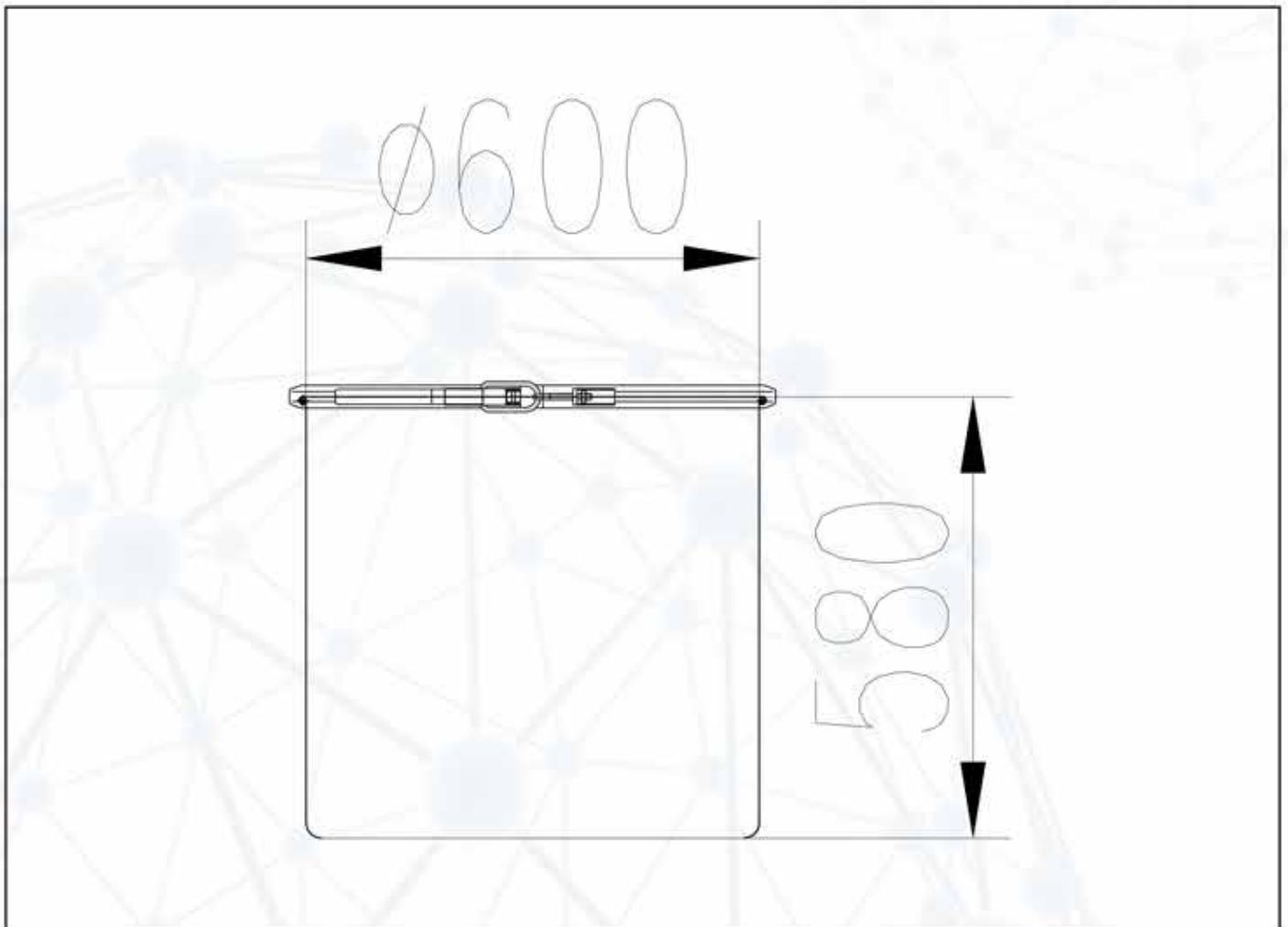
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Drum PRODUCT



Drum Application

- ◆ Drum is widely used in the pharmaceutical, food, health food, chemical industry



Drum Specification

Technical parameters

Model	Main structural dimensions	
	D	H
CRN-50	Φ600	460
CRN-100	Φ600	570
CRN-150	Φ600	770

Senieer fluid bed granulator makes granules perfect fluidity.

Capsule Filling

- Feature ■
- Function ■
- Advantage ■
- Application ■
- Specification ■

Capsule Filling Feature

- ◆ Embedded with a stainless-steel frame
- ◆ An interlocking system is subjected to safety procedures
- ◆ Feeding parameters for advanced capsules and powders
- ◆ A touch-screen LCD display
- ◆ Weights that can be adjusted and parts that can be changed



A lubricating system that functions by itself ◆

There is a vacuum system in place ◆

Compliance with CE and cGMP ◆

The distance between the tamping plate and the dosage disc can be adjusted ◆

Sensors for detecting substance flow ◆

Capsule Filling Function

- ◆ Corrective action (orientation of the bad gelatin capsules)
- ◆ Capsule caps and bodies are separated
- ◆ Fill material/formulation dosing (filling the bodies)
- ◆ Caps and bodies are reattached
- ◆ Capsules are ejected when they have been filled



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Capsule Filling PRODUCT

Capsule Filling Advantage

- ◆ cGMP and CE Compliant Capsule Filler
- ◆ Encapsulating machines ensure precise and accurate dosing
- ◆ Encapsulating machines are easy and simple to use
- ◆ Ensure that the operation is low-maintenance
- ◆ The Use of Capsule Fillers Is Safe
- ◆ Efficacy and reliability

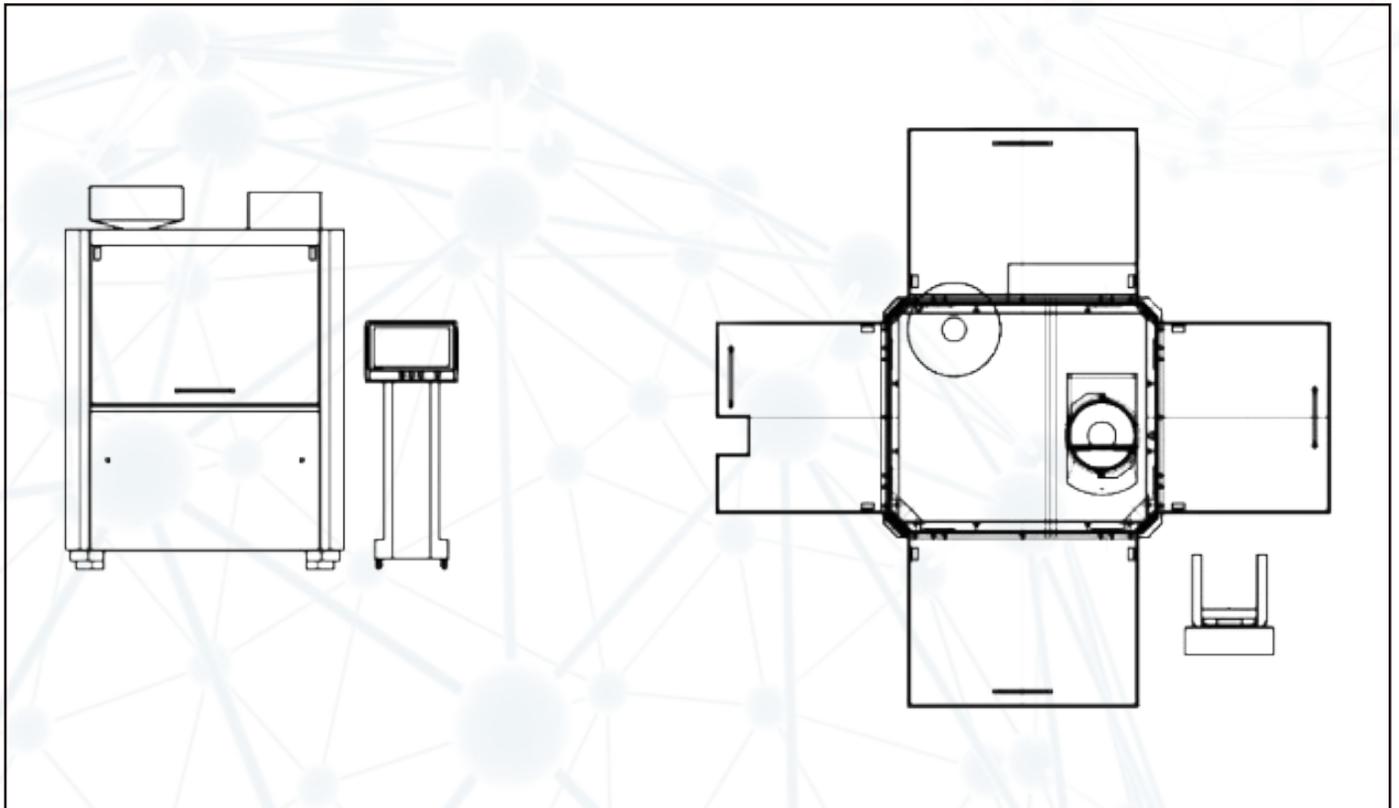
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Capsule Filling PRODUCT



Capsule Filling Application

- ◆ Capsule filling is used for the granules and powder filling
- ◆ Capsule filling is also used in the pellets filling
- ◆ Capsule filling is widely used in pharmaceutical, health product, food industries
- ◆ Vacuum conveying charge material into capsule filling machine as option item



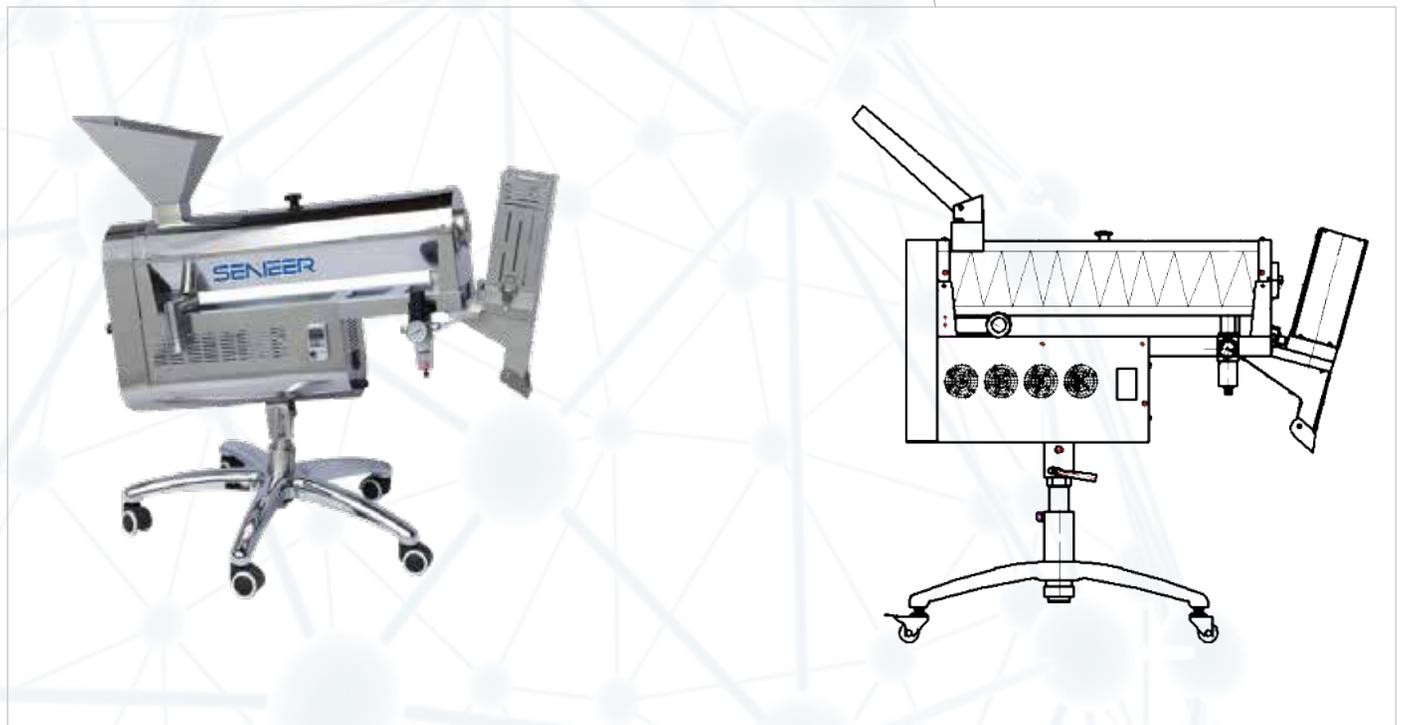
Capsule Filling Specification

Technical parameters

Model	SCF500	SCF800	SCF1200	SCF2200D	SCF3200D	SCF3800	SCF6000	SCF8200
No. of die orifice	4	6	9	19(Double rows)	23(Double rows)	27	48	58
Max output(capsules/hour)	30000	48000	72000	132000	192000	228000	360000	492000
Vacuum	-0.02~-0.08Mpa	-0.02~-0.08Mpa	-0.02~-0.08Mpa	-0.08~-0.04Mpa	-0.08~-0.04Mpa	-0.08~-0.04Mpa	-0.08~-0.04Mpa	-0.08~-0.04Mpa
Capsule number	00#-5;A, B(safetyA,B)			00#-5;A, B(safetyA,B)		00#-5;A, B	00#-5;A, B(safetyA,B)	00#-5;A, B(safetyA,B)
Filling percentage	≥99.9%			≥99.9%		≥99.9%	≥99.9%	≥99.9%
Filling variation	< ±3			< ±3		< ±3	< ±4	Capsule ≥0.30g, weight variation; < ±5% Capsule <0.30g, weight variation; < ±7%
Idle load noise dB(A)	<70			<73		<73	<75	<75
Power	380V 50HZ 5KW			380V 50HZ 8KW	380V 50HZ 10KW	380V 50HZ 11KW	380V 50HZ 15KW	380V 50HZ 15KW
Size LxWxH(mm)	1350x1020x1950			1200x1070x2100	1420x1180x2125	1600x1380x2100	1950x1550x2150	1798x1248x2200
Weight(kg)	850			2500	3000	3500	4000	4500

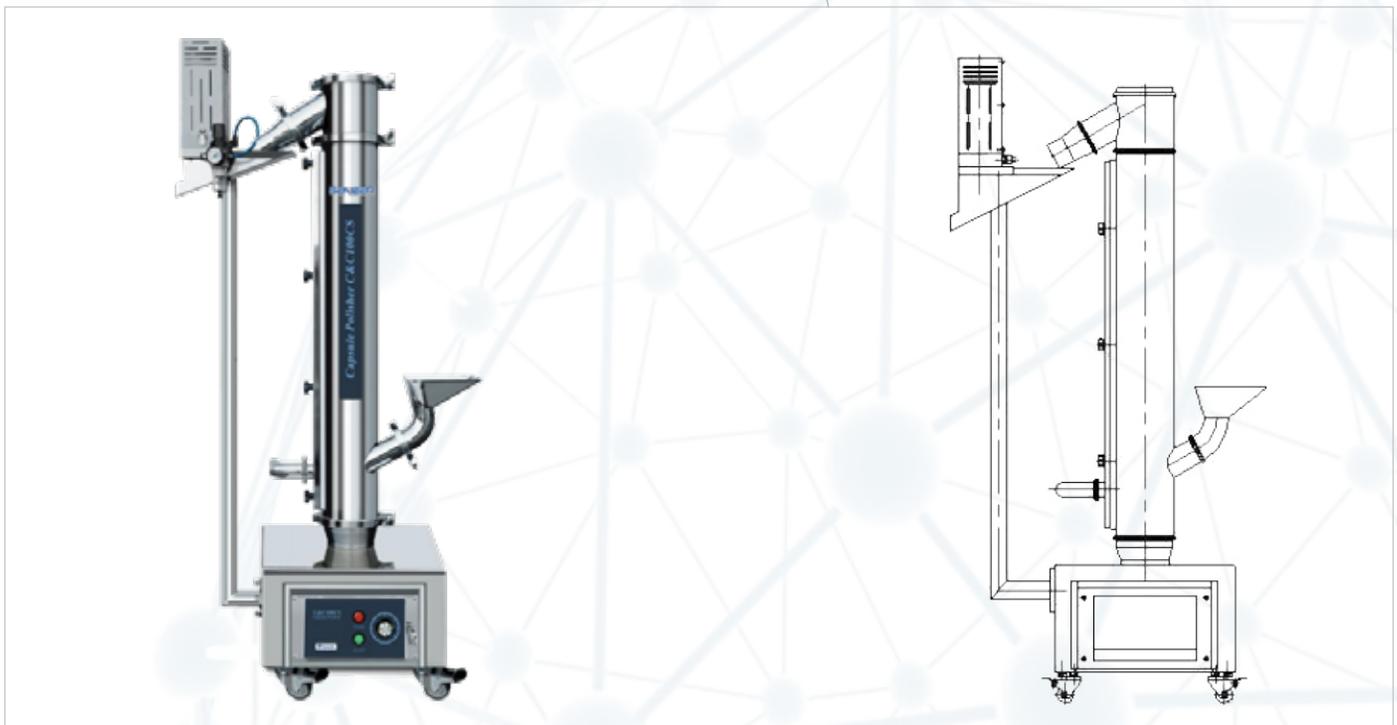
SCP10 Capsule Polisher

Model	SCP10
Max.Output	300,000 Capsules/h
Power	Ac110/220V , 50/60Hz
Dimension	1150x600x(870-1000mm)
Weight	40kg
Vacuum	2.7m ³ /min -0.014Mpa
Compressed Air	0.25m ³ /min 0.3Mpa



SUC10 Capsule Polisher

Technical Data	C&C100CS
Capsule Model No.	00# 0# 1# 2# 3# 4#
Max. Output	300,000Capsules/h
Inlet Height	730mm
Outlet Height	1050mm
Power Supply	1PH 220V/110V 50Hz/60Hz 0.2kw
Compressed Air	0.3m ³ /min 0.3Mpa
Vacuum	3.0m ³ /min -0.1Mpa
Dimension	740x510x1500mm
Weight	75kg



SDC Dust Collector

Technical Data	DC 100	DC 135	DC 200	DC 300
Suction volume	100m ³ /h	135m ³ /h	210m ³ /h	300m ³ /h
Max. vacuum degree	14Kpa	15Kpa	20Kpa	21Kpa
Power	0.55Kw	1.1Kw	2.2Kw	3.0Kw
Power supply	380v/50Hz/Triphase or as per required			
Dimensions	520x320x720(mm)	1PH 220V/110V 50Hz/60Hz 0.2kw	1PH 220V/110V 50Hz/60Hz 0.2kw	1PH 220V/110V 50Hz/60Hz 0.2kw
Net weight	30Kg	40Kg	75Kg	90Kg



Tablet Press

- Feature ■
- Function ■
- Advantage ■
- Application ■
- Specification ■

Tablet Press Feature

- ◆ Machine that compresses tablets completely automatically
- ◆ Specifications for CE standards
- ◆ A cutting-edge cooling system
- ◆ Stability is ensured by the use of pillars
- ◆ Hydraulic characteristics of excellent quality
- ◆ Titanium coating provides anti-rust and anti-corrosion protection
- ◆ A stainless-steel shield protects the exterior section
- ◆ There is a safety insurance scheme in place



- ◆ Fuel systems that are both energy-efficient and ecologically beneficial are available
- ◆ Various high-tech tooling stations are available
- ◆ Advanced data and control systems
- ◆ Measurement accuracy and precision, as well as compression force characteristics
- ◆ Maintenance is simple
- ◆ Safety precautions that are both manual and automated at the highest level
- ◆ Several automated systems, such as lubrication and warning features are available

Tablet Press Function

- ◆ A tablet press is a mechanical device that compresses material into uniformly sized and weighted tablets
- ◆ A tablet press can be used to make tablets out of a range of different materials
- ◆ The granulated powder material must be metered into a cavity made by two punches and a die, and then the punches must be crushed together with considerable force to fuse the material together to produce a tablet



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Tablet Press PRODUCT

Tablet Press Advantage

- ◆ The single press machine is simple to use and has a high utilization ratio
- ◆ The single press is perfect for tablet production and small-batch manufacturing
- ◆ Multi-station means that you can get a lot done with a little effort
- ◆ Multi-station reduces waste to a minimal level of non-specific tablets
- ◆ As its tablet press machine does not require much maintenance, it is inexpensive
- ◆ It produces with no dust and is simple to clean

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Tablet Press PRODUCT



Tablet Press Application

- ◆ Pharmaceuticals
- ◆ Nutraceuticals
- ◆ Cleaning products
- ◆ Industrial pellets
- ◆ Cosmetics

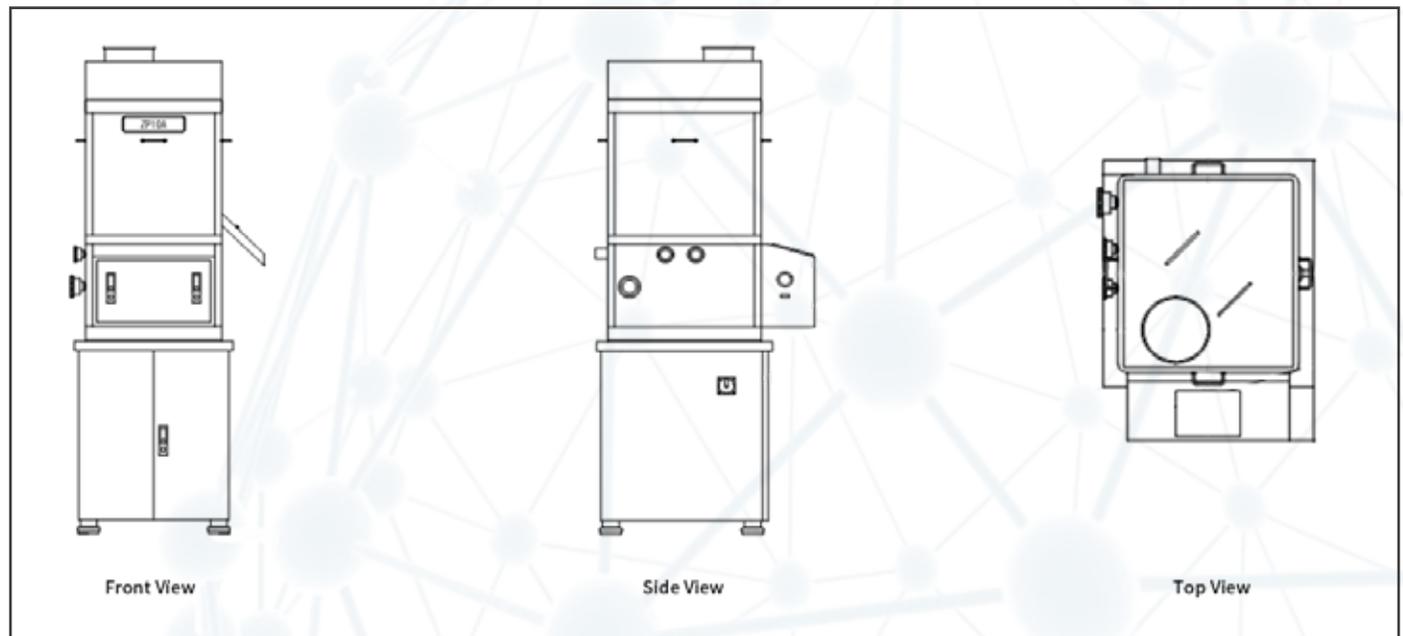


Tablet Press Specification

STP Low Speed Rotary tablet press

Senieer fluid bed granulator makes granules perfect fluidity.

Model	STP10	STP12
Data	STP10	STP12
No. of press station	10	12
Punch & die type b	TP-D	TP-B
Min capacity (tablets / h)	6,000	7,000
Max capacity (tablets / h)	21,000	25,000
Max tablet diameter (mm)	Φ22	Φ16
Max abnormal prolate axis size (mm)	25	19
Max filling depth (mm)	20	16
Max tablet thickness (mm)	8	
Max main pressure (kN)	60	
Max pre pressure (kN)	10	
Max power (kW)	2	
Power	3AC,380V(±10%) 50/60Hz	
Size (L×W×H) (mm)	850×725×1,850	
Weight (kg)	700	

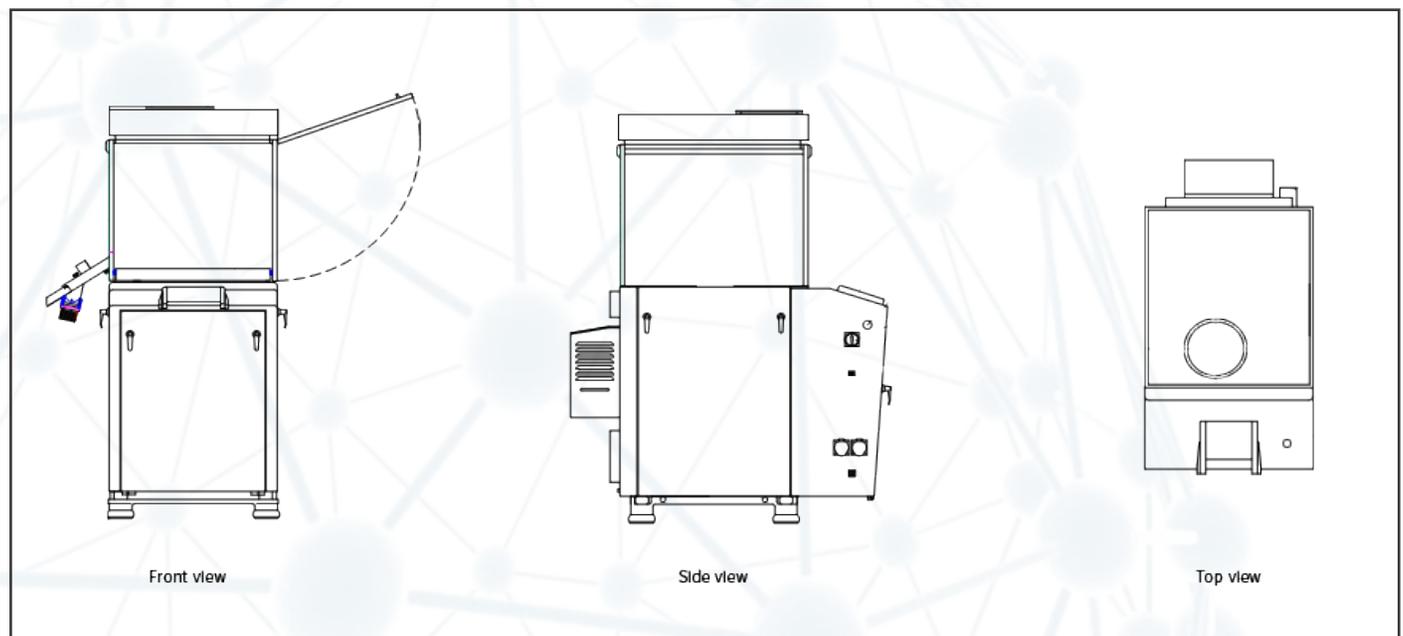


Tablet Press Specification

STP Medium Speed Rotary tablet press

Senieer fluid bed granulator makes granules perfect fluidity.

Model	STP26	STP32	STP40
Data	STP26	STP32	STP40
No. of press station	26	32	40
Punch & die type b	TP-D	TP-B	TP-BB
Min capacity (tablets / h)	25,000 (i =60/26) a 60,000 (i =60/40)	6,000	6,000
Max capacity (tablets / h)	60,000 (i =60/26) a 171,000 (i =60/40)	211,000	264,000
Max tablet diameter (mm)	Φ25	Φ16	Φ13
Max abnormal prolate axis size (mm)	25	19	16
Max filling depth (mm)	20	16	
Max tablet thickness (mm)	8		
Max main pressure (kN)	100	80	
Max pre pressure (kN)	20		
Max power (kW)	11		
Power	3AC,380V(±10%) 50/60Hz		
Air pressure (MPa)	0.6		
Size (L×W×H) (mm)	1,080×1,440×1,950		
Weight (kg)	1780		

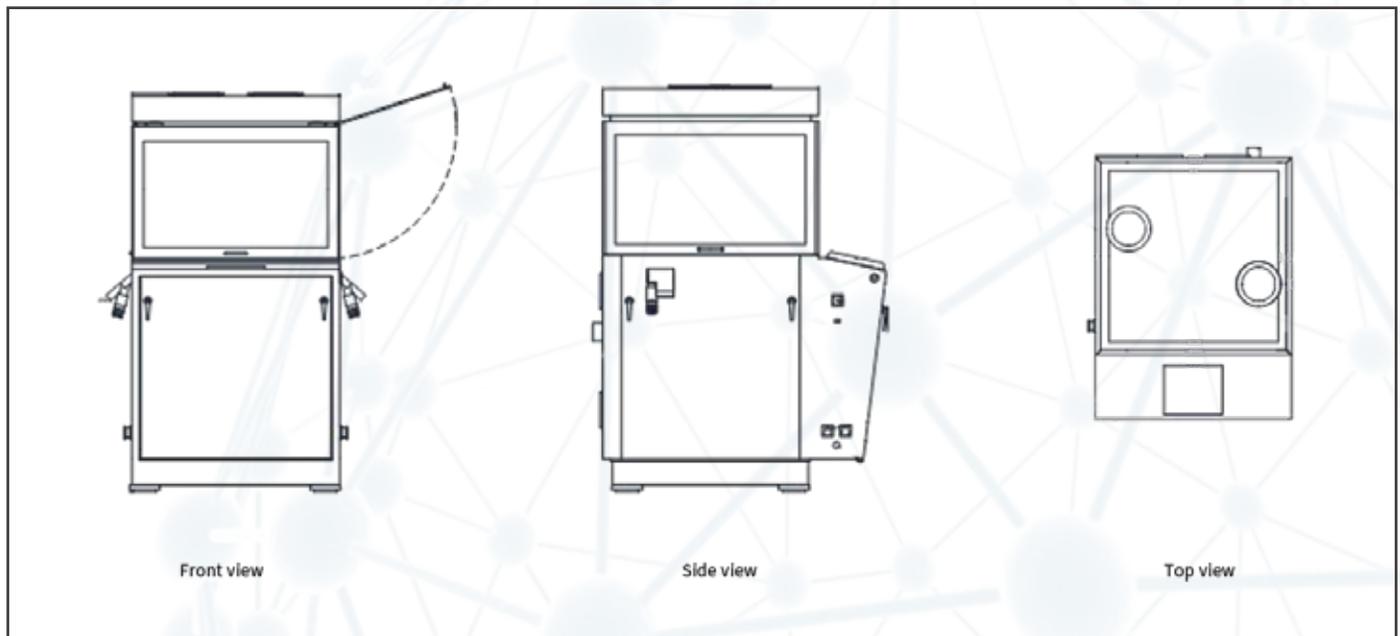


Tablet Press Specification

STP Medium-High Speed Rotary tablet press

Senieer fluid bed granulator makes granules perfect fluidity.

Model	STP45/2W	STP55/2W	STP65/2W
Data			
No. of press station	45	55	65
Punch & die type b	TP-D	TP-B	TP-BB
Min capacity (tablets / h)	54,000 (i=32/18) a 108,000 (j=32/28)	132,000	156,000
Max capacity (tablets / h)	216,000 (i=32/18) a 405,000 (j=32/28)	495,000	585,000
Max tablet diameter (mm)	Φ25	Φ16	Φ13
Max abnormal prolate axis size (mm)	25	19	16
Max filling depth (mm)	20	16	
Max tablet thickness (mm)	8		
Max main pressure (kN)	100		
Max pre pressure (kN)	35		
Max power (kW)	18.5		
Power	3AC,380V(±10%) 50/60Hz		
Air pressure (MPa)	0.6		
Size (L×W×H) (mm)	1,380×1,510×2,000		
Weight (kg)	3140		
No-load highest noise [dB (A)]	小于85		

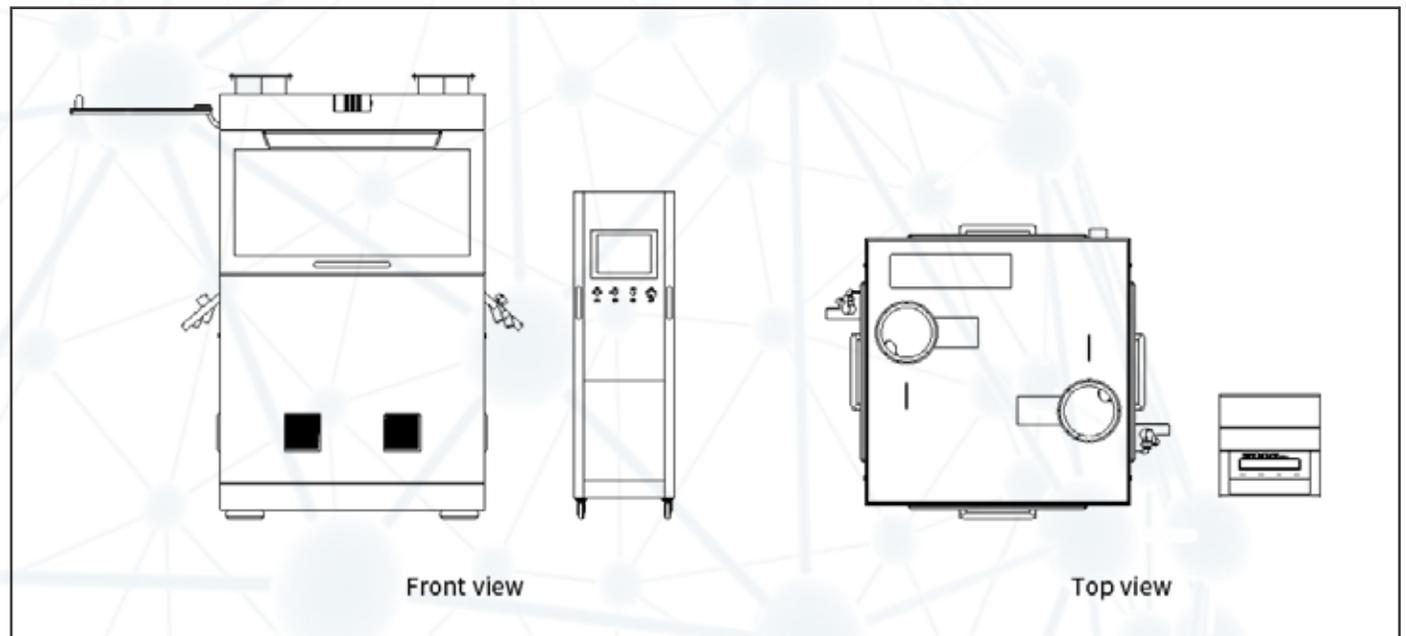


Tablet Press Specification

STP High Speed Rotary tablet press

Senieer fluid bed granulator makes granules perfect fluidity.

Model	STP53/2	STP67/2	STP77/2
Data	STP53/2	STP67/2	STP77/2
No. of press station	53	67	77
Punch & die type b	TP-D	TP-B	TP-BB
Min capacity (tablets / h)	69,000 (i =38/18) a 127,000 (j =32/28)	132,000	156,000
Max capacity (tablets / h)	259,000 (i =38/18) a 477,000 (j =32/28)	603,000	693,000
Max tablet diameter (mm)	Φ25	Φ16	Φ13
Max abnormal prolate axis size (mm)	25	19	16
Max filling depth (mm)	20	16	
Max tablet thickness (mm)	8		
Max main pressure (kN)	100		
Max pre pressure (kN)	50		
Max power (kW)	18.5		
Power	3AC,380V(±10%) 50/60Hz		
Air pressure (MPa)	0.6		
Size(L×W×H) (mm)	1,700×1,700×2,200		
Weight (kg)	4600		
No-load highest noise [dB(A)]	小于85		

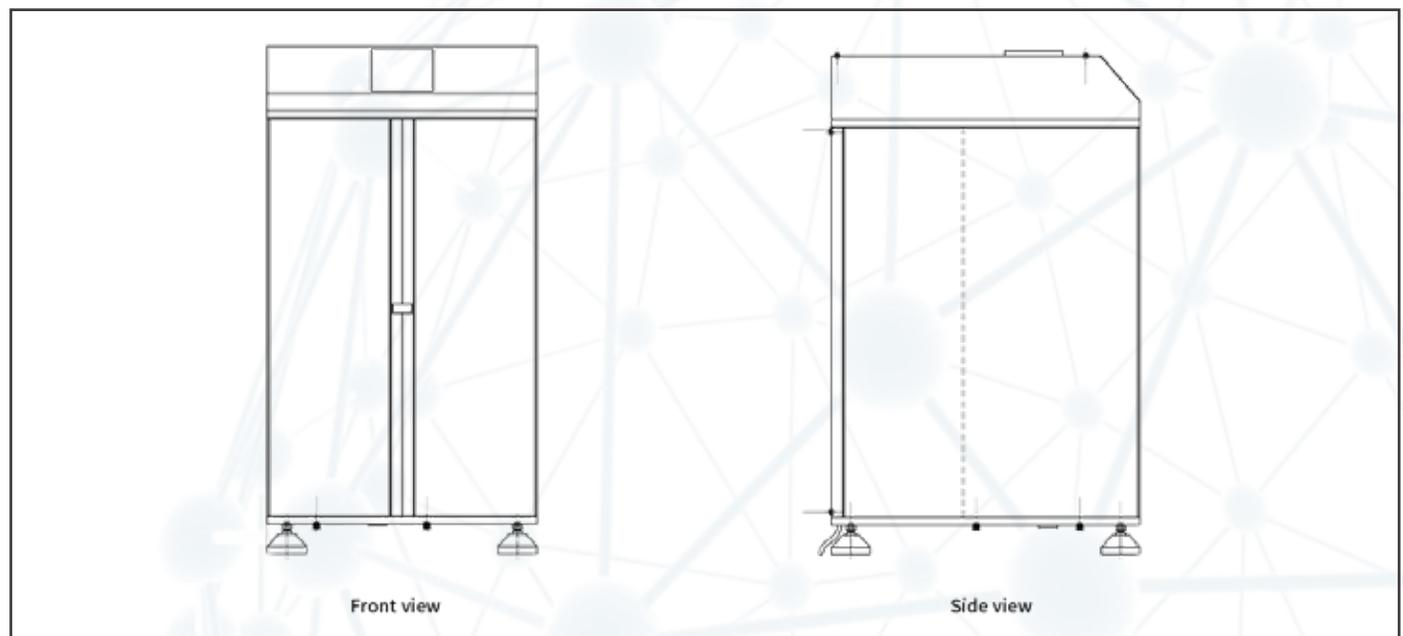


Tablet Press Specification

Lab Tablet Press

Senieer fluid bed granulator makes granules perfect fluidity.

Technical Data	Lab	
	Lab1	Lab2
Dies (set)	1	1
Max Tablet Diameter (mm)	25	30
Max Production Capacity (t/min)	60	60
Max Pressure (KN)	50	80
Max Filling Depth (mm)	20	22
Tablet Thickness (mm)	0.5-8	0.5-10
Power Supply	1PH 220V 50Hz/60Hz 1.5kw	3PH 380V/220V 50Hz/60Hz 3kw
Dimensions (mm)	500 x 580 x 830	550 x 640 x 1025
Weight (kg)	185	185



SDC Dust Collector

- ◆ Strong dust collecting capability, super-silent design and can be used widely and work continuously for a long time.
Material: Stainless steel
Power supply: 220 V 50/60 Hz
- ◆ Power: 3.0 KW
Dimensions: 850x 600x1300 mm Weight: 90 Kg



STD3 Industrial Dust Collector

- ◆ The machine has strong de-dusting capacity. Equipped with dust collecting tray at bottom which is convenient for cleaning. Easy operation and maintenance. Material: 304 Stainless steel
Power: 3 kW
- ◆ Weight: 108 Kg
Power supply: 220V 50/60 Hz Dimensions: 750 × 780 × 1900 mm



STD 200C Uphill tablet de-duster

- ◆ This uphill tablet de-duster can be used with tablet press machine & metal detector. Tablets come out at top position, tablets lifting & de-dusting at the same time. Tablets moving upwards via uphill sifters make tablets very clean. The speed can be adjusted. Easy operation and cleaning, convenient to move
- ◆ Capacity: 800,000 tablets/h(6mm)
Power: 0.1Kw
Max tablets diameter:: 25 mm
Power supply: 110V / 220V / 50/60 Hz 1P Compressed Air: 0.1 m³/min 0.05 Mpa Vacuum: 2.7m³/min -0.1 Mpa
Dimensions: 500 x 550 x (1280 – 1460) mm Weight: 70 Kg



METAL DETECTOR

- ◆ Metal Detector is an eddy current based digital metal detection system for detecting metal contamination in tablets/ capsules, preferably installed after de-duster. The detector is designed and manufactured to meet the stringent requirement and hygienic standards of pharmaceutical industry
- ◆ Power Supply: 220V / 50/60 Hz 1P Aperture size: 80x20 mm Sensitivity: 0.15 mm dia
Ferrous: 0.2 mm
- ◆ Nonferrous: 0.3 mm



Tablet Coating Machine

- Feature ■
- Function ■
- Advantage ■
- Application ■
- Specification ■

Tablet Coating Machine Feature

- ◆ The GMP standard (Good Manufacturing Practices) is satisfied by the tablet coating machine parameter
- ◆ The machine's components can be quickly and easily disassembled for cleaning and maintenance without the need of any tools
- ◆ The compact design of the tablet coating machine allows it to fit into a tiny area
- ◆ It has a well-designed air intake and exhaust system



The coating drum's speed can be adjusted by the machine ◆

The PLC control can be used to print a data activity record for assessment ◆

The Pharmaceutical tablet coating machine is made of a corrosion-resistant material, ensuring continuous tablet coating machine operations and lower wear costs ◆

Tablet Coating Machine Function

- ◆ Depending on the kind of tablet and the desired coating, choose the appropriate coating materials
- ◆ The tablets are then placed in a drum and rotated in an orbital pattern, with the streamlined plates controlling the majority of the operations
- ◆ The nozzle sprays a coating solution that is controlled by an automated control system while the drum rotates
- ◆ The method guarantees that the coating on the tablets is applied accurately and evenly
- ◆ The machine pushes hot air into the drum as the spraying continues, resulting in a fast application of the solution
- ◆ It maintains the same temperature on its own to keep the drug's composition in excellent shape
- ◆ When the required coating is achieved, the tablets are moved to the drying area, where air is blown over them
- ◆ This is how the tablet coating machine works before the packing process, with the volume of air being controlled to ensure no interaction with the pills



our superior
**Tablet Coating
Machine** PRODUCT

Tablet Coating Machine Advantage

- ◆ The main advantage of tablet coating is that it allows you to adjust the pace at which the drug is released
- ◆ It also protects against the medicine's unpleasant taste and odor
- ◆ The coating provides the product a smooth texture that makes it simple to consume
- ◆ The coating improves product acceptability as well as the tablet's look
- ◆ By providing regulated, continuous release, the coating can minimize the frequency of dosage
- ◆ It protects the physical or chemical integrity of the drug from humidity, heat, and temperature
- ◆ This prevents the medicine from being destroyed in the stomach's acidic environment until it reaches the intestine
- ◆ It can keep the tablet's form and prevent it from being tampered with

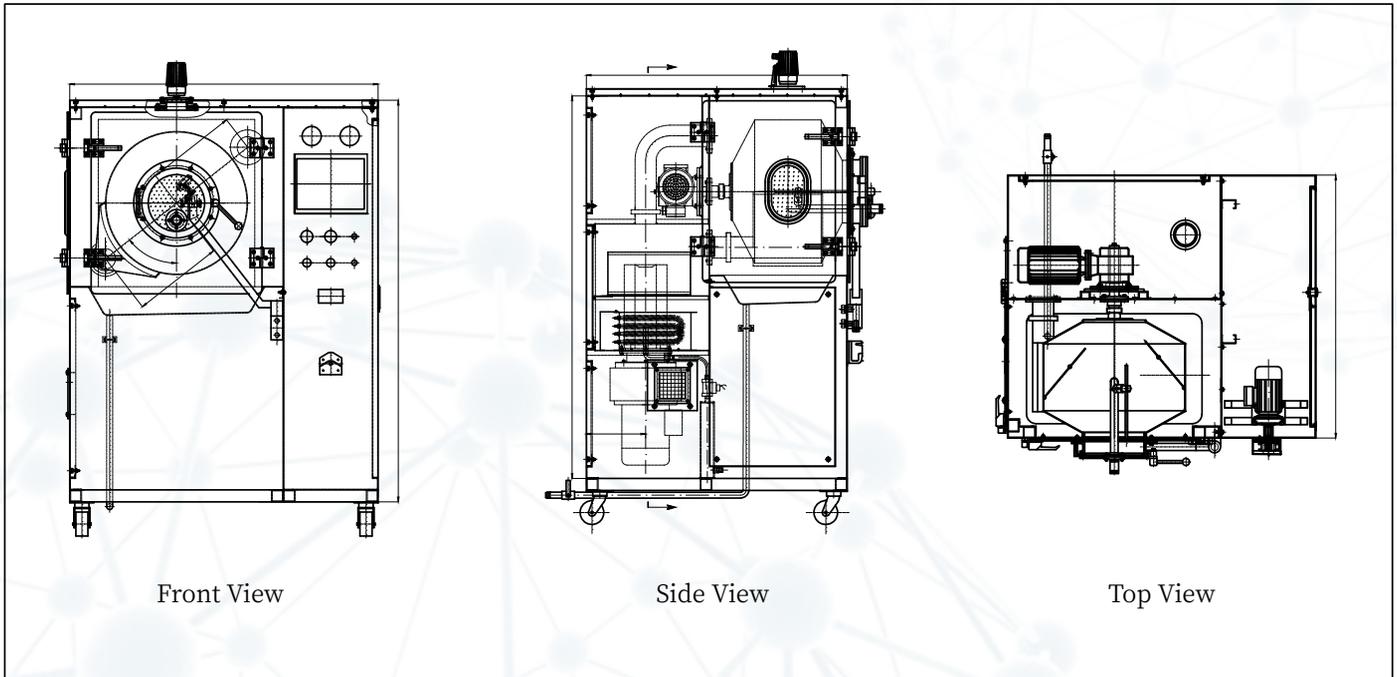
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Tablet Coating Machine PRODUCT



Tablet Coating Machine Application

- ◆ Tablet coating machine is a mechanical device that applies a thin layer of coating material to the surface of tablet dosage forms to impart certain benefits over uncoated varieties
- ◆ It's a machine that covers the tablet's outside surface with a thin layer of coating material



Tablet Coating Machine Specification

Technical parameters

Items	Unit	Model/specification			
		STC1	STC5	STC10	STC20
Coating drum diameter	mm	400	520/560/600	560/600/720	600/720/800
Coating drum volume	L	1.9/3/4.2	6.5/12/21.7	12/21.7/47	21.7/49/72
Productive capacity	Kg/batch	0.5/1/2	3/5/10	5/10/20	10/20/30
Coating drum motor power	Kw	0.25	0.55	0.75	1.1
Coating drum speed	Rmp	2-16	2-16	2-16	2-16
Blower power	Kw	0.4	0.75	1.5	2.2
Electrical heating power	Kw	6	6	9	12
Induced draft fan power	Kw	0.75	1.5	2.2	3.7
Spray gun quantity		1	1	2	2
Peristaltic pump power	Kw	0.18	0.18	0.18	0.18
Inlet air filter		F9	F9	F9	F9
Exhaust air filter		F8	F8	F8	F8
Overall dimension	mm	1320×1260×1880	1420×1350×1980	1720×1440×2100	1920×1550×2180
Net weight	Kg	600	800	980	1200

Senieer fluid bed granulator makes granules perfect fluidity.

Vibro Sifter

- Feature ■
- Function ■
- Advantage ■
- Application ■
- Specification ■

Vibro Sifter Feature

- ◆ One layer with two discharge ports
- ◆ Two layers with three discharge ports
- ◆ Three layers with four discharge ports
- ◆ Four layers with five discharge ports
- ◆ Suit for 50 microns- 20mm product
- ◆ Material contact parts: SS316L or 304



- ◆ Button control
- ◆ With movable wheels with brakes
- ◆ Power supply: 3PH, 380V, 50Hz or as your requirement
- ◆ Manual loading material and gravity discharging
- ◆ With 1 PC customized size screen
- ◆ Charging material as your requirement design

Vibro Sifter Function

- ◆ Filtration
- ◆ Remove impurities
- ◆ Screening
- ◆ Grading



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Vibro Sifter PRODUCT

Vibro Sifter Advantage

- ◆ Vibro sifter is a high precision screening machine. By the vertical motor for excitation source, both ends of the motor is mounted eccentric weight
- ◆ The rotary motion of the motor into an three elementary motions of horizontal, vertical and incline, then this movement is transmitted to the screen surface
- ◆ Adjusting the phase angle at both ends of the motor, you can change the trajectory of material in the screen surface

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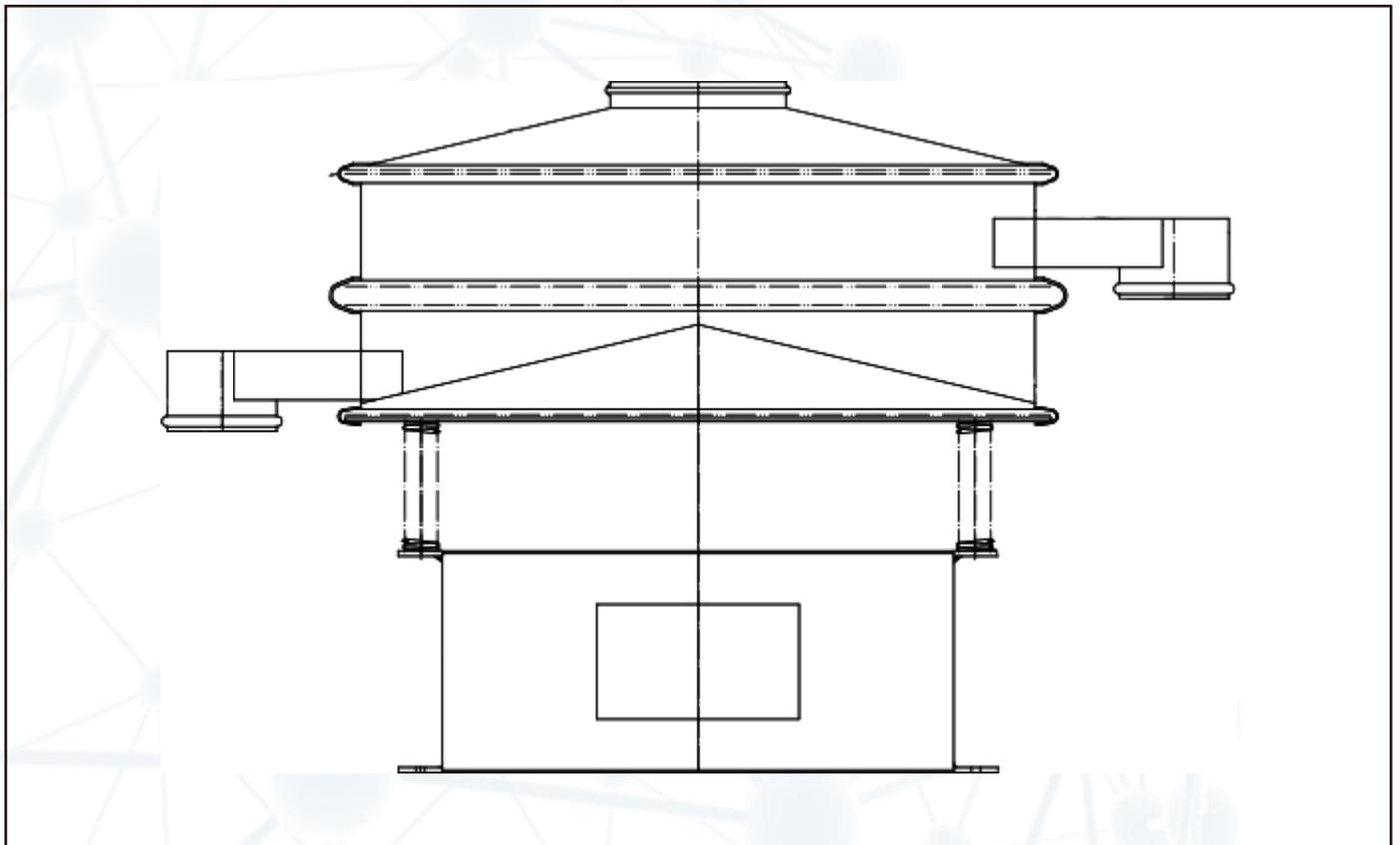
Vibro Sifter PRODUCT



Vibro Sifter Application

Vibro Sifter are widely used in:

- ◆ food industry
- ◆ chemical synthesis industry
- ◆ plastic industry
- ◆ resin industry
- ◆ Chinese and Western medicine industry
- ◆ coating ceramic industry
- ◆ metal powder mining industry
- ◆ electronic magnetic material industry
- ◆ paper industry
- ◆ environmental protection industry, etc



Vibro Sifter Specification

Technical parameters

Model		Power(kw)	Sieve diameter(mm)	Granularity(mm)	Voltage(V)	RPM(r/min)	Capacity(kg/h)
SVS-400	1s	0.18	350	<10	380	1440	100
	2s						
	3s						
SVS-600	1s	0.25	550	<10		1440	500
	2s						
	3s						
SVS-800	1s	0.55	750	<10		1440	800
	2s						
	3s						
SVS-1000	1s	0.75	920	<10	1440	1400	
	2s						
	3s						
SVS-1200	1s	1.1	1120	<10	1440	2100	
	2s						
	3s						
SVS-1500	1s	1.5	1420	<10	1440	2600	
	2s						
	3s						
SVS-1800	1s	2.2	1720	<10	1440	3300	
	2s						
	3s						

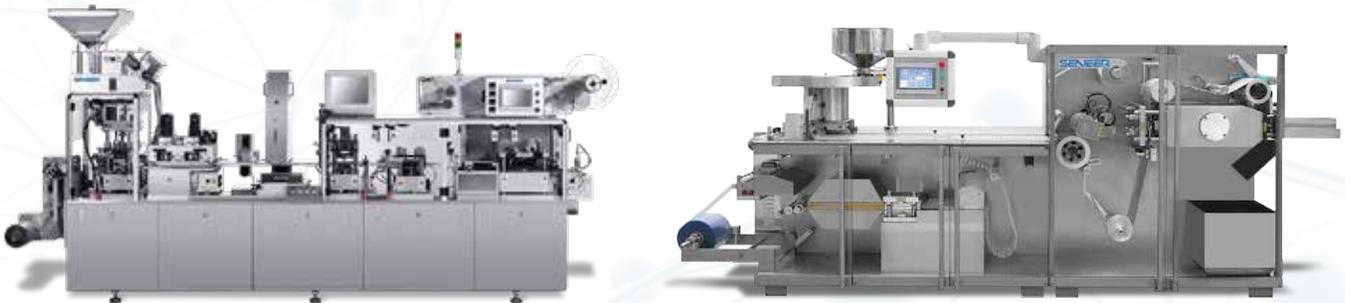
Capacity as reference, it depends on material.Voltage depends on your country's standard.

Blister Packing Machine

- Feature ■
- Function ■
- Advantage ■
- Application ■
- Specification ■
- Main Structure ■
- Working Principle ■
- Adjustment Method ■

Blister Packing Machine Feature

- ◆ Plate type positive pressure blow molding, servo stepping, easy to adjust the step length
- ◆ Roller sealing, good sealing effect, beautiful packaging
- ◆ It can be used with general feeder, disc feeder and special feeder
- ◆ Servo stepping mechanism makes plate adjustment easy
- ◆ Has the function of batch numbering and breaking line
- ◆ Easy to change molds



PLC automatic control, stepless frequency conversion speed regulation, wide adjustment range ◆
low transmission noise

The main components and key parts are matched by well-known foreign brands ◆
to ensure the reliability of operation

The whole machine adopts a fully enclosed structure design ◆

The materials in contact with products are made of stainless steel SS316L or SS304 ◆

Fully comply with GMP requirements and ISO certification standards ◆

It can pack various specifications of capsules ◆
plain tablets, sugar-coated tablets, capsules, special-shaped tablets
and other medicines, as well as chocolate beans, chewing gum and other small foods

Blister Packing Machine Function

- ◆ Reliable sealing
- ◆ Easy to carry
- ◆ Beautiful packaging appearance



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Blister

Packing Machine PRODUCT

Blister Packing Machine Advantage

- ◆ Man-machine interface, PLC program control, frequency conversion speed regulation, blanking speed is about 80-120 times/min (standard plate)
- ◆ The man-machine interface system is simple and quick to operate, and can realize inching adjustment on the touch screen. Fault alarm can be used to save production records
- ◆ The punching step is controlled by a servo motor, there is no asynchronous problem, and it is not limited by the step distance, and the accuracy reaches 0.01
- ◆ Splicing device, easy to operate, convenient, and improve work efficiency
- ◆ Plate type positive pressure blow molding, flat plate molding, large molding area, roll sealing, line sealing uniform pressure, good sealing quality
- ◆ All forming molds adopt the method of fixed pins, which is convenient for mold replacement and adjustment
- ◆ Molding mechanism: use the cylinder as the power to complete the mold clamping and tablet pressing through the four-bar mechanism. The mechanical connection with the main drive is cut off, mutual influence is eliminated and vibration and noise are reduced. The lower mold and the upper mold open at the same time, which not only improves the condition of the heated PVC sheet, but also lays the foundation for accurate stepping



Blister Packing Machine Advantage

- ◆ The forming step adopts a CNC sliding table to clamp the step, which has high step accuracy and no accumulated error, and its step error is $\leq \pm 0.02\text{mm}$. When the stepping distance changes, it can be adjusted directly by inputting data on the touch screen
- ◆ The blanking device adopts a high-speed vibrating blanking device, and a multi-functional blanking device or a special blanking device can be selected according to the characteristics and speed requirements of the material
- ◆ The machine base is firm, beautiful, and evenly load-bearing to ensure the safe operation of the whole machine. All safety protection devices are complete and warning signs are attached
- ◆ The exterior of the equipment is made of SS304 and transparent toughened plexiglass that meets the 3C standard. The material of the part in contact with the medicine is 316L stainless steel or a material that is more stable and not easy to fall off. Other corresponding materials in contact with materials are made of food-grade polymer materials
- ◆ There are inspection points at both the PVC unwinding place and the aluminum foil unwinding place. When the packaging material is about to run out, it will alarm or shut down
- ◆ PVC unwinding mechanism can automatically unwind or manually unwind
- ◆ The new board picking and rejecting mechanism is made of aluminum alloy material to reduce the moment of inertia, which is practical and beautiful
- ◆ The heat-sealing anilox roller increases the length of the anilox roller and the heating tube, trying to reduce the influence of the dead zone of the heating tube; the diameter of the anilox roller is increased to increase the heat capacity, the sealing heat is supplied more quickly, and the heating is increased. Shorter preparation time
- ◆ Increase the typing travel roller to improve the accuracy of the typing position
- ◆ Independent electronic control component box to ensure that the PLC of the equipment is in a good space environment

Blister Packing Machine Main Structure Working Principle and Adjustment Method

Blister Packing Machine Main Structure

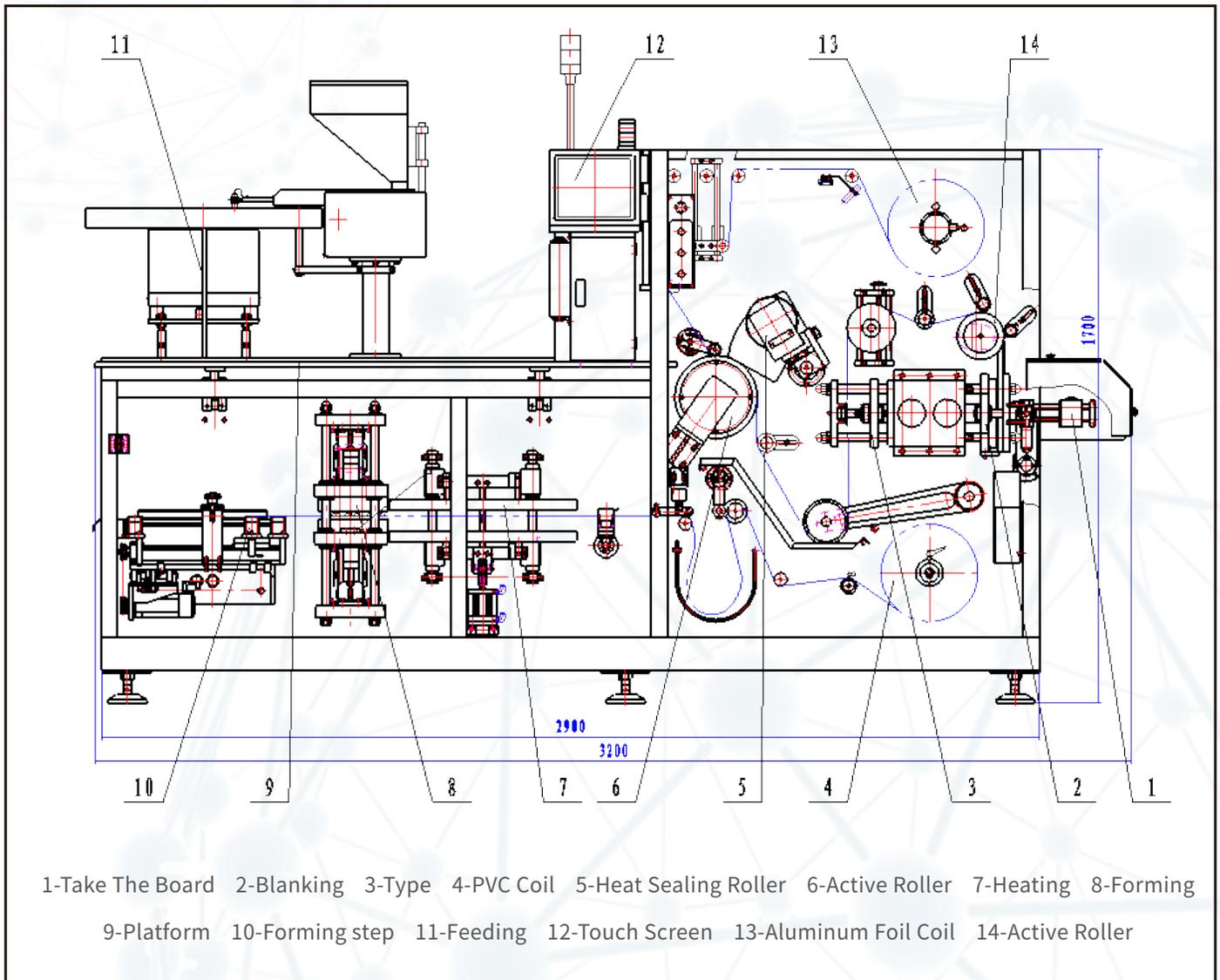
- ◆ The whole machine consists of body, PVC unwinding, PVC heating, PVC forming, forming stepping, platform feeding machine, electric control system, heat sealing, aluminum foil unwinding, typing, typing adjustment roller, punching stepping, punching Device, board taking device, transmission system, pneumatic and water cooling system composition

Blister Packing Machine Working Principle and Adjustment Method

- ◆ The PVC hard sheet packaging material is pre-drawn to a certain length by the unwinding mechanism for the next step of demand
- ◆ Then pass the heating device and the forming device to form a blister
- ◆ The formed PVC blister is intermittently pulled by the forming stepping mechanism, and continues to move forward to form a continuous blister strip arranged at equal distances from each other
- ◆ When the blister belt enters the loading position of the platform, the loading device will fill the formed PVC blister with medicines (tablets, capsules or soft capsules, etc.)
- ◆ Before heat sealing, cover the PTP aluminum foil on the upper part of the blister, and enter the sealing device together for rolling heat sealing. The packaged object is placed in the small sealed space formed by the PVC blister and aluminum foil, so that the medicine and the aluminum foil are sealed. Atmospheric environment isolation
- ◆ Then enter the batch number device to print the batch number according to the character indentation required by the user
- ◆ Then, the printing adjustment roller and the punching stepping roller enter the punching device to punch and separate the continuous packaging semi-finished products, so as to obtain the required aluminum-plastic blister packaging plate

Blister Packing Machine Application

- ◆ Capsules
- ◆ Tablets
- ◆ Candy
- ◆ Pharmaceutical
- ◆ Health product
- ◆ Food
- ◆ Electronic industries



Blister Packing Machine Specification

Technical parameters

Item		SBP140	SBP250
PVC Sheet	thickness	0.2-0.4mm	0.2-0.5mm
	Width	100-150mm	160-300mm
PTP Aluminum	thickness	0.02mm	0.02mm
	Width	100-150mm	160-300mm
Cutting frequency		15-40time/min	15-40time/min
Stroke		45-160mm	45-200mm
Compressure of cooling water		0.1-0.3Mpa	0.1-0.3Mpa
Water consumption		0.02-0.04m ³ /min	0.02-0.05m ³ /min
Compressed air pressure		0.4-0.6Mpa	0.4-0.6Mpa
Max forming depth		30mm	30mm
Total power		4.8kw	8kw
Power supply		380V 50Hz	380V 50Hz
Overall Dimensions(LxWxH)		2250x630x1580mm	3800x850x1650mm
Weight		1050kg	2100kg

Custom design according to your requirements.

Sachet Packing Machine

- Feature ■
- Function ■
- Advantage ■
- Application ■
- Specification ■

Sachet Packing Machine Feature

- ◆ This machine is a roll of packaging film that is cut into two pieces from the middle for sealing, fast to follow the label, and easy to adjust
- ◆ The equipment is longitudinally sealed, and the main motor is driven by a servo motor, which is easy to adjust
- ◆ Electric control box: The layout space is enlarged, and the layout of electrical components is more reasonable and beautiful
- ◆ Control system: Optimized arrangement and combination of various function buttons in the man-machine interface, which can express each function more intuitively, and it is more convenient and quick for customers to use, and has a high degree of intelligence



Sachet Packing Machine Function

- ◆ Adopt servo motor to adjust bag length, easy to operate
- ◆ The whole machine adopts man-machine interface control, the system is safe and stable, easy to operate and reliable in operation
- ◆ Photoelectric detection of the color mark, servo motor to follow the mark, so as to ensure the integrity and accuracy of the printed pattern position
- ◆ With automatic batch number printing, vertical and horizontal breaking lines and easy tearing function, easy to install and use
- ◆ The length of the bag can be adjusted arbitrarily. (The speed of the longitudinal sealing roller can be adjusted arbitrarily)



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Sachet

Packing Machine PRODUCT

Sachet Packing Machine Advantage

- ◆ There is an operating platform at the top of the equipment, and operators can place some tools on it when maintaining the equipment, which improves work efficiency and reduces the pollution of packaging materials by dust
- ◆ This packaging material splicing platform has four quick fixing points to prevent the packaging material from being misplaced, and the operator can quickly dock the new packaging material, which is simple and convenient
- ◆ The granular materials are lifted into the silo by the vacuum feeder for storage and buffering
- ◆ The arc baffle is welded around each discharge opening in the large hopper to ensure that there is no residue in the hopper and easy to clean
- ◆ A storage device is added under the hopper to prevent the dosage from changing with the amount of material in the hopper, and to ensure the stability of the loading. If a certain feeding port is blocked due to material agglomeration, etc., it will not affect the operation of the entire feeding mechanism
- ◆ The feeding machine adopts spiral feeding method, with high dosage accuracy, and the capacity of each channel can be adjusted independently or as a whole. The various parts of the feeder are designed in a modular manner. The measurement adjustment adopts the overall adjustment of the continuous bag, and there will be no problem of the measurement deviation of the single bag in the continuous bag



Sachet Packing Machine Advantage

- ◆ Dust will be generated during the blanking process. Lengthen the lower hopper so that the powder will directly enter the hopper, and the generated dust will be reduced. The upper end of the vertical seal is added with a dust suction device to suck away the generated dust and reduce dust accumulation
- ◆ Feeding hopper and net processing are two factors that control the folds of the pouch. The shape of the hopper is pressed by a mold, which has the characteristics of uniform size, high smoothness of the inner wall and fast blanking speed. The processing angle and depth of the netting are controlled by numerical control, the netting is clear, and the wrinkles are effectively controlled
- ◆ Dust will be generated during the blanking process. Lengthen the lower hopper so that the powder will directly enter the hopper, and the generated dust will be reduced. The upper end of the vertical seal is added with a dust suction device to suck away the generated dust and reduce dust accumulation
- ◆ Dust will be generated during the blanking process. Lengthen the lower hopper so that the powder will directly enter the hopper, and the generated dust will be reduced. The upper end of the vertical seal is added with a dust suction device to suck away the generated dust and reduce dust accumulation
- ◆ The line-collecting slip ring is a fully enclosed form, the center of which rotates with the heating tube, there are no wear parts and it is fully enclosed and not affected by external dust



Sachet Packing Machine Application

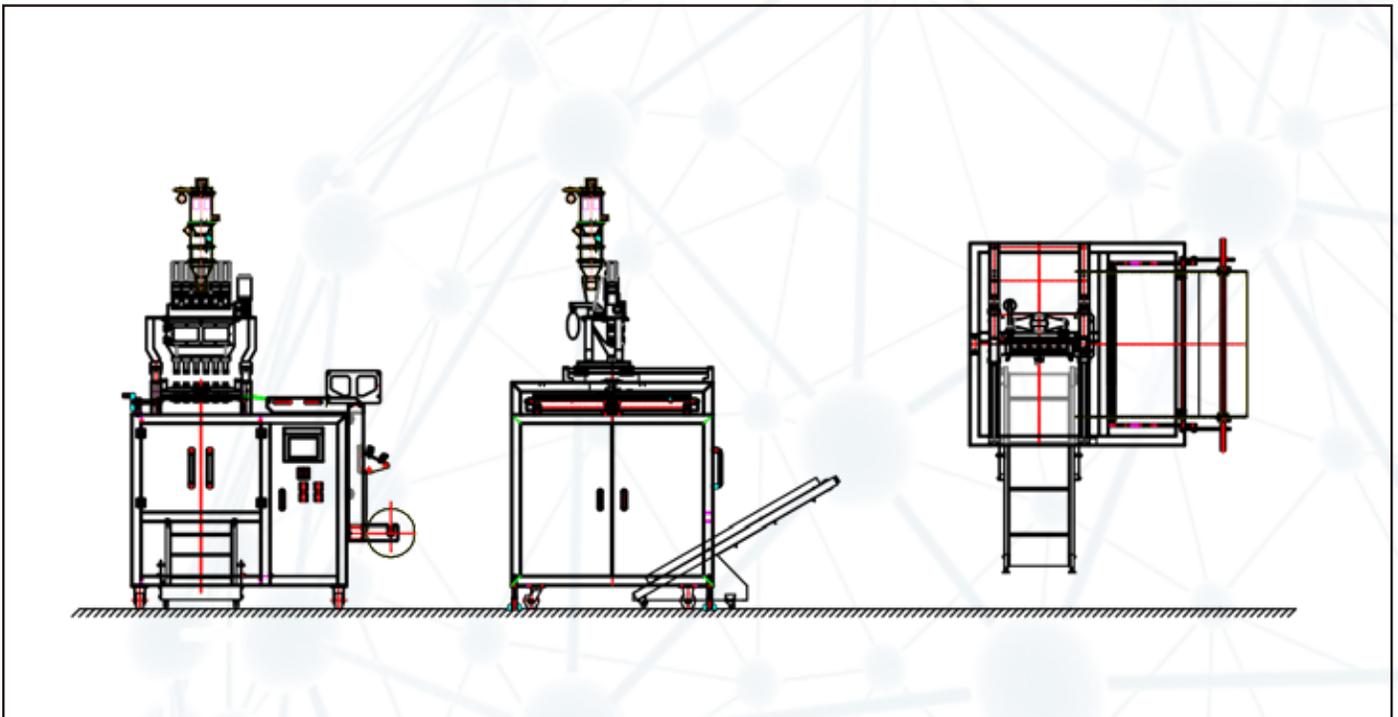
The Sachet packaging machine is simple in structure and reliable in operation. It is an advanced product of the same kind. This machine is suitable for:

- ◆ Pharmaceutical industries
- ◆ Food industries
- ◆ Cosmetics industries

It can pack:

- ◆ Particles
- ◆ Water pills
- ◆ Viscous
- ◆ Semi-viscous liquids and other materials
- ◆ Other materials

(In four-sided sealed bags)



Sachet Packing Machine Specification

Multi Lane Side Sachet Granules Packing Machine

Model	SSG480	SSG720	SSG960
Track number	4~6 Track	4~10 Track	4~12 Track
Filling Method	1.Volumetric cup; 2.Weigher		
Capacity	Max.35 cycle/min		
Bag size	L:45--120mm;W:35-60mm	L:45--120mm;W:35-90mm	L:45--120mm;W:35-120mm
Film W&D	Max.480mm;0.07--0.1mm	Max.720mm;0.07--0.1mm	Max.960mm;0.07--0.1mm
Sealing type	4 sides sealing	4 sides sealing	4 sides sealing
Air&Power	0.8 MPA 0.8m3/min;2.8KW	0.8 MPA 0.8m3/min;4.1KW	0.8 MPA 0.8m3/min;5.5KW
DIM & WT	950*1470*1750mm;300kg	1153*1654*1750mm;400kg	1415*1686*2130mm;500kg



Sachet Packing Machine Specification

Single Lane Sachet Granules Packing Machine

Model	SSG240	SSG240A	SSG320
Filling Method	Auger	Auger	Auger
Max.Capacity	35bags/min	35bags/min	35bags/min
Bag size	L:20--130mm;W:20-120mm	L:30--160mm;W:15-110mm	L:50--200mm;W:40-150mm
Film W&D	Max.240mm;0.05--0.1mm	Max.240mm;0.05--0.1mm	Max.320mm;0.07--0.1mm
Sealing type	3or4 size sealing	Back sealing	Stick bag
Air&Power	220V 50HZ;1.2KW	220V 50HZ;1.2KW	220V 50HZ;2KW
DIM & WT	600*600*1600mm;160kg	600*600*1600mm;160kg	1003*685*1650mm;250kg



Sachet Packing Machine Specification

Multi Lane Side Sachet Powder Packing Machine

Model	SSP480	SSP720	SSP960
Track number	4~6 Track	4~10 Track	4~12 Track
Filling Method	1.Piston pump; 2.Peristaltic pump		
Capacity	Max.40 cycle/min		
Bag size	L:45--120mm;W:35-60mm	L:45--120mm;W:35-90mm	L:45--120mm;W:35-120mm
Film W&D	Max.480mm;0.07--0.1mm	Max.720mm;0.07--0.1mm	Max.960mm;0.07--0.1mm
Sealing type	4 sides sealing	4 sides sealing	4 sides sealing
Air&Power	0.8 MPA 0.8m3/min;2.8KW	0.8 MPA 0.8m3/min;4.1KW	0.8 MPA 0.8m3/min;5.5KW
DIM & WT	950*1470*1750mm;300kg	1153*1654*1750mm;400kg	1415*1686*2130mm;500kg



Sachet Packing Machine Specification

Single Lane Sachet Powder Packing Machine

Model	SSP240	SSP240BS	SSP320BS
Filling Method	Auger	Auger	Auger
Max.Capacity	35bags/min	35bags/min	35bags/min
Bag size	L:20--130mm;W:20-120mm	L:30--160mm;W:15-110mm	L:50--200mm;W:40-150mm
Film W&D	Max.240mm;0.05--0.1mm	Max.240mm;0.05--0.1mm	Max.320mm;0.07--0.1mm
Sealing type	3or4 size sealing	Back sealing	Stick bag
Air&Power	220V 50HZ;1.2KW	220V 50HZ;1.2KW	220V 50HZ;2KW
DIM & WT	600*600*1600mm;160kg	600*600*1600mm;160kg	1003*685*1650mm;250kg



Sachet Packing Machine Specification

Multi Lane Side Sachet Liquid Packing Machine

Model	SSL480	SSL720	SSL960
Track number	4~6 Track	4~10 Track	4~12 Track
Filling Method	Auger filling by servo motor		
Capacity	Max.40 cycle/min		
Bag size	L:45--120mm;W:50-60mm	L:45--120mm;W:50-90mm	L:45--120mm;W:35-120mm
Film W&D	Max.480mm;0.07--0.1mm	Max.720mm;0.07--0.1mm	Max.960mm;0.07--0.1mm
Sealing type	4 sides sealing	4 sides sealing	4 sides sealing
Air&Power	0.8 MPA 0.8m3/min;2.8KW	0.8 MPA 0.8m3/min;4.1KW	0.8 MPA 0.8m3/min;5.5KW
DIM & WT	950*1470*1750mm;300kg	1153*1654*1750mm;400kg	1415*1686*2130mm;500kg



Sitck Packing Machine

- Feature ■
- Function ■
- Advantage ■
- Application ■
- Specification ■

Sitck Packing Machine Feature

- ◆ Famous brand PLC control system,large touch screen,convenient to operate
- ◆ Advanced design,high precision and fast speed
- ◆ No film alarm,saving materials and no wasting film
- ◆ Photoelectric tracking system for precise bag length and position of film
- ◆ Machine case is made of 304 stainless steel,which is more good for food



- ◆ Famous brands of PLC control system and electrical components,7inch' touch screen for high accuracy and adjusting
- ◆ Servo motor pulling film system, guaranteeing high quality and stable running
- ◆ Intelligent sensor positioning, automatic measurement and calculation of bag length
- ◆ Complete automatic alarm protection function to minimize the loss
- ◆ The machine uses the temperature controller to control the temperature it will automatically alarms and stops the machine when the temperature is too high or too low,reducing the loss of spare parts

Sitck Packing Machine Function

- ◆ Automatically measuring volume, making bags, filling, sealing, cutting, printing the lot number and cutting easy tearing notches,finished product conveying.Applicable for the powder powder,such as coffee powder, medical powder,milk powder,flour,bean powder etc.



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Sitck

Packing Machine PRODUCT

Stick Packing Machine Advantage

- ◆ Import cutter mode to ensure uniform bag appearance, smooth edges and no burrs
- ◆ The horizontal sealing part use double cylinders to ensure synchronous completion and pressure equalization so that the sealing pattern of each row of bags is beautiful and neat
- ◆ Compatible with various filling systems



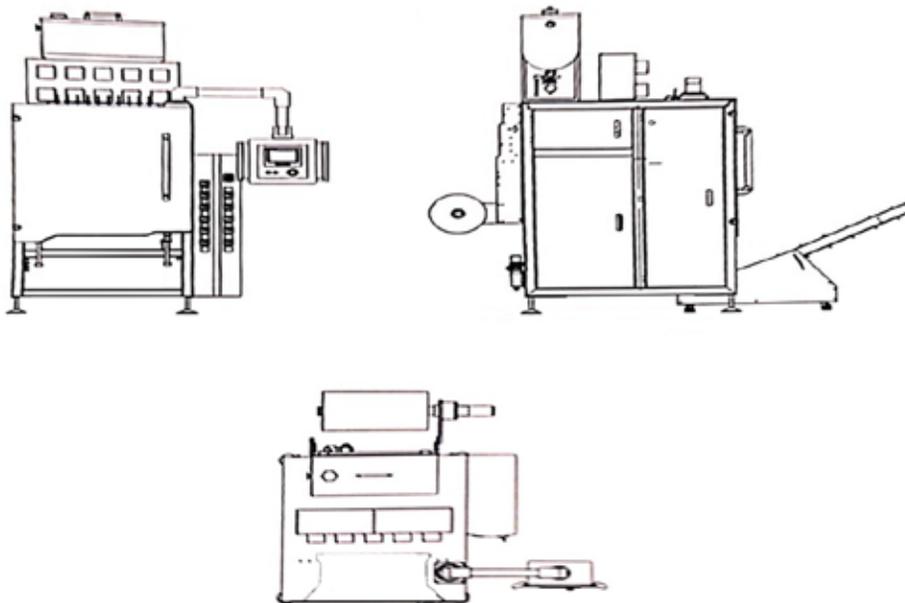
Stick Packing Machine Application

Suitable to package granule product, such as :

- ◆ Salt
- ◆ Washing Powder
- ◆ Spice etc

It can be used in these industries:

- ◆ Parmaceutical industry
- ◆ Health product industry
- ◆ Food & Cosmetic industry



Stick Packing Machine Specification

Multi Lane Liquid Stick Packing Machine

Model	GH280BY	GH560BY
Lane number	4~6 Lane	8~12 Lane
Measuring Method	1. Piston pump; 2. Peristaltic pump	
Capacity	Max.35 cycle/min	
Bag size	L:50-180mm;W:17-30mm	L:50--180mm;W:17-30mm
Film width&thickness	Max.280mm;0.07--0.10mm	Max.560mm;0.07--0.10mm
Sealing type	Back sealing/Stick bag	Back sealing/Stick bag
Cutting type	1.Straight cutting ; 2.Zig zag cutting ; 3.Round cutting	
Air&Power	0.8Mpa 0.8m3/min; 3.5kw	0.8Mpa 0.8m3/min; 5.5kw
DIM&WT	1385*918*2005mm; 350kg	1685*1300*2005mm; 550kg



Stick Packing Machine Specification

Multi Lane Powder Stick Packing Machine

Model	GH280BS	GH560BS
Lane number	4~6 Lane	8~12 Lane
Filling Method	1. Volumetric cup; 2. weigher	
Capacity	Max.35 cycle/min	
Bag size	L:50-180mm;W:17-30mm	L:50--180mm;W:17-30mm
Film width&thickness	Max.280mm;0.07--0.10mm	Max.560mm;0.07--0.10mm
Sealing type	Back sealing/Stick bag	Back sealing/Stick bag
Cutting type	1.Straight cutting ; 2.Zig zag cutting ; 3.Round cutting	
Air&Power	0.8Mpa 0.8m3/min; 3.5kw	0.8Mpa 0.8m3/min; 5.5kw
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Sitck Packing Machine Specification

Multi Lane Granule Stick Packing Machine

Model	GH280BS	GH560BS
Lane number	4~6 Lane	8~12 Lane
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Cartoning Packing Machine

- Feature ■
- Function ■
- Advantage ■
- Application ■
- Specification ■

Cartoning Packing Machine Feature

- ◆ It is the automatic high-speed cartoning machine
- ◆ The machine improves the performance and productivity greatly
- ◆ It also has on-line technical interface and developed a set of new production model that based on automatic production line and take the independent stand-alone as the secondary production model and it fully embodies the products advantages
- ◆ The product structure are in accordance with GMP
- ◆ It can pack pharmaceutical blisters, drugs, food and other small regular goods into the specific carton and transfer the finished products



The machine is widely used and it easy to be adjusted ◆

According to the different products, it simply changes the relevant parts that can meet the production needs ◆

It is suitable for the large quantities production of a single product ,also to meet the small quantities pharmaceutical production of many varieties ◆

It can link with other packaging machine which make the cartoning machine have more extensive application ◆

High-speed blister packaging machine (full servo)is suitable for high-speed ALU-PVC , ALU-ALU packing of various regular medicines , including high-speed automatic feeding , and high-speed detection and rejection ◆

Blister zig-zag punching and servo synchronous conveyor for blister queuing technology which can save consumables , it can reach 400 blister per minute by zig-zag punching, stably move to the conveyor of cartoning machine by tracking robot ◆

Cartoning Packing Machine Feature

- ◆ Optional :either high -end full-servo blister packaging machine and automatic cartoning machine, or the main motor is with servo motor ,which is an economical solution that cooperates with the robot to achieves with the robot to achieve synchronous online
- ◆ High-speed blister packaging machine is suitable for high speed aluminum-plastic packaging of various regular medicine , and have high speed inspection and rejection device
- ◆ High speed blister packing machine is suitable for high speed alu pvc packing of various regular medicine High speed detection and rejection device is also equipped
- ◆ Conveyor belt is suitable for various sizes blisters transmission.Flexible to choose various connection ways
- ◆ Use the continuous style high speed automatic cartoning machine can achieve speed highly matched



The system is AC- or servo-controlled, providing high performance and ease in synchronizing the machine ◆

Set up time – 5-10 minutes, depending on the product ◆

Accessibility – All mechanical and electronic parts are easily accessible and visible so that any irregular issue can be identified immediately ◆

Mobility – The wheels of the cartoning packing machine make it easily movable and highly flexible ◆
In no time at all, it can be relocated by simply rolling it to its new location (option item)

Manual Feeding -The cartoning packing machine can run as either a manual or fully automated feeder, giving high product flexibility ◆

Cartoning Packing Machine Function

- ◆ If there are no packing materials,the machine won't absorb the boxes and specifications,also the manipulator will stop working
- ◆ The switching putting material has two steps:the main and the supplement one,if the first one doesn't drop carton,then the other one will fill automatically
- ◆ The machine will stop automatically in case of the supplement material plate being on the low side
- ◆ If there are specification but no boxed constantly for three times,the machine will stop working automatically
- ◆ If there are packed materials but no specifications,the machine will stop working automatically
- ◆ The machine has many protections of qutomatically stopping
- ◆ There is emergency stop switch on the electronic control bow,please press this switch if there is an emergency



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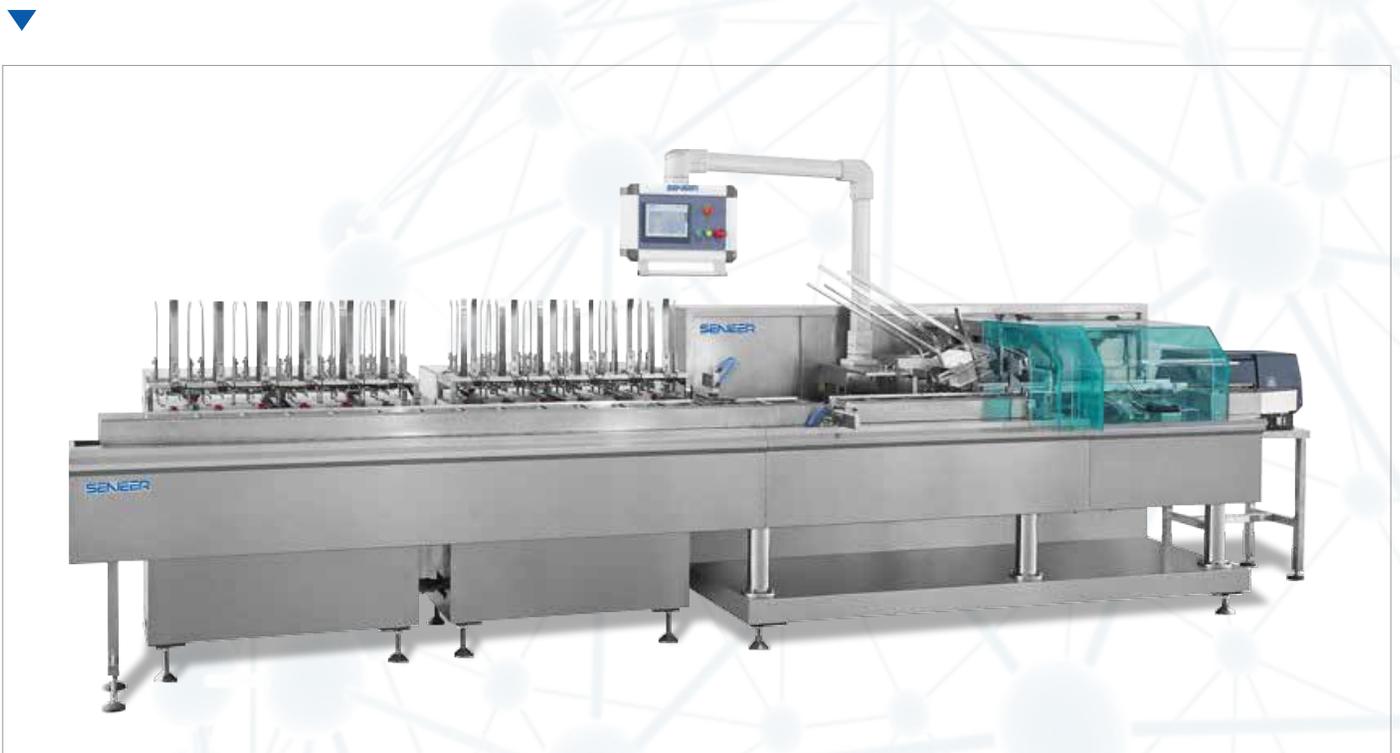
**Cartoning
Packing Machine** PRODUCT

Cartoning Packing Machine Advantage

- ◆ Cartoning packing machine is the horizontal type machine used to pack pharmaceutical blisters, vials, soft tubes and so on
- ◆ The function of the machine is open the carton, fold leaflet, fill the product, stamp the producing date, close the carton, transfer the finished product and so on, which make the carton transferring and product filling matched and cooperated, which improve the producing rate and higher automation, and which we designed the connecting part for the blister packing machine used to be as the automatic machine producing line at the same time
- ◆ The machine used HMI control and photoelectric check to make the machine run accurate and stable, to keep the finished product quality high

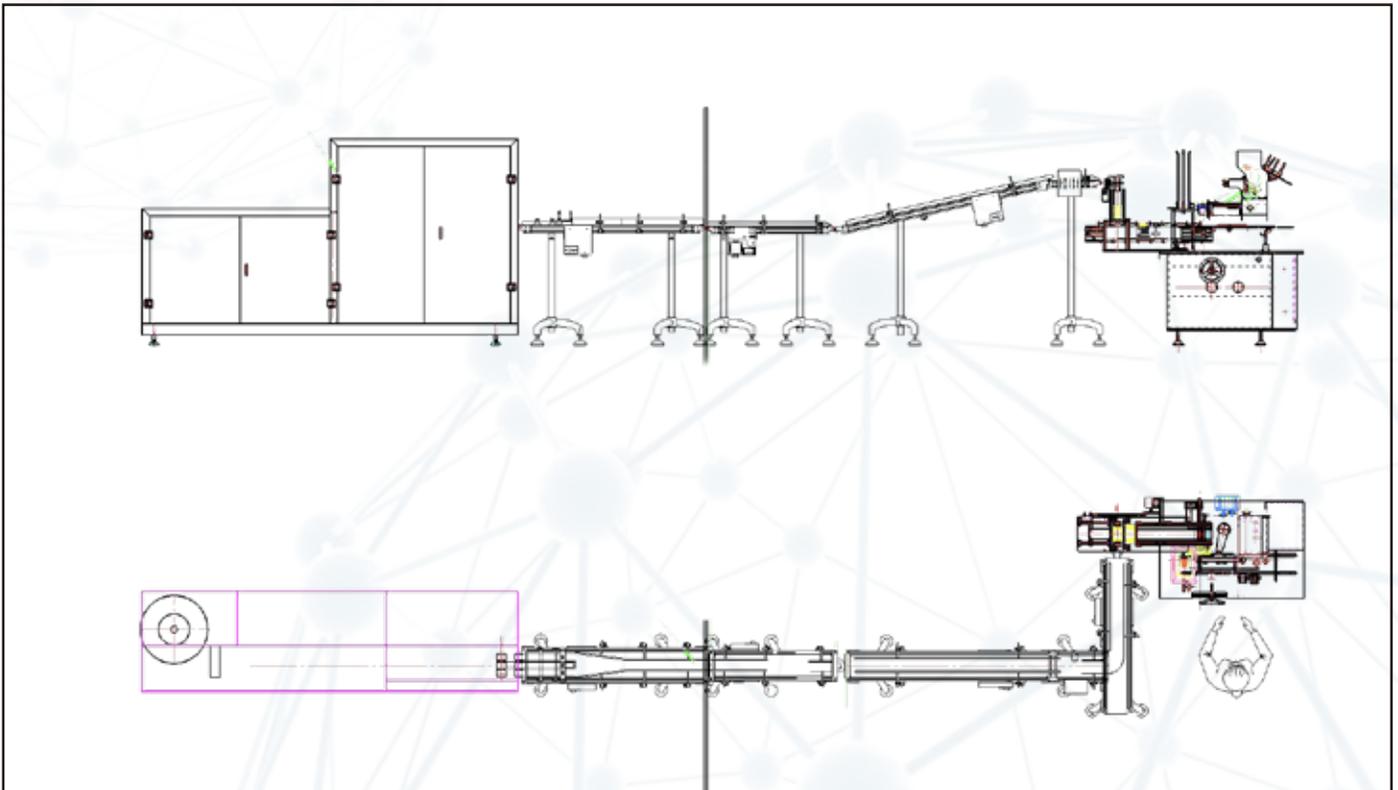
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Cartoning Packing Machine PRODUCT



Cartoning Packing Machine Application

- ◆ Drugs industry
- ◆ Food industry
- ◆ Cosmetics industry
- ◆ Chemical daily
- ◆ necessities industry



Cartoning Packing Machine Specification

Technical parameters

Item		SCP380		SCP200	SCP260
Carton Size	Max	160x90x45mm	150x95x45mm	150x95x60mm	170x115x60mm
	Min	75x45x18mm	70x45x16mm	80x35x18mm	85x40x18mm
Carton Quality		300-350g/m ²		300-350g/m ²	300-350g/m ²
Leaflet	Max	200x200mm	210x210mm	200x200mm	210x210mm
	Min	130x90mm	130x95mm	90x130mm	90x130mm
Leaflet Quality		65-70g/m ³	65-70g/m ³	65-70g/m ³	65-70g/m ³
Capacity	The running speed of main motor	Max:380boxes/min		≤200 box/min	≤200 box/min
	The running speed of folding system	Max:600pcs/min			
Air Consumption		0.06-0.09m ³ /min (pressure0.5~0.7Mpa)	0.06-0.09m ³ /min (pressure0.5~0.7Mpa)	0.06-0.09m ³ /min	0.06-0.09m ³ /min
Compressed air pressure		0.4-0.6Mpa		0.4-0.6Mpa	0.4-0.6Mpa
Total power		4.0kw	4.0kw	2kw	3.5kw
Overall dimension		380V 50Hz	380V 50Hz	380V 50Hz	380V 50Hz
Noise		≤70db	≤70db	—	
Power supply		4500x1420x1600mm	4500x1420x1600mm	4500x1600x1620mm	6000x1600x1800mm
Weight		2500kg	2500kg	2500kg	3500kg

Custom design according to your requirements.



Contribution To Human Health

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