

National High-tech Enterprise  
The "Small Giant" Key Enterprise of National Professional, Sophisticated, Distinctive, Innovative  
National Intellectual Property Advantage Enterprise  
Jiangxi Solid Preparation Manufacturing Equipment Industrial Design Center  
Pharmaceutical Solid Preparation Equipment And Information System Supplier



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# WONSEN INTELLIGENT

Solid Preparation Equipment Solutions





# BRIEF INTRODUCTION

Wonsen, founded in september 2010, is a national high-tech enterprise and a small giant enterprise focusing on the research, development, manufacturing, sales and service of equipment and information system for pharmaceutical, food and other health industries, and provides global customers with tablets, capsules, granules, automated production lines and digital factory solutions. Our products have served more than 1,100 medium and high-end customers in China and exported to more than 40 countries and regions around the world.

Our company covers an area of 93,000 square meters, has an industry-leading industrial design center and digital test experience center built according to EU GMP standards, doctoral and master's degree led by more than 70 people in the technical research and development team, has undertaken more than 20 national key special projects and provincial major special projects and other scientific research projects, has been granted more than 180 patents. We also carry out production, learning and research cooperation with Zhejiang University, Hunan University, Jiangxi University of Traditional Chinese Medicine, Nanchang University, etc.

Wonsen implements lean production and digital management, adheres to the mission of "serving the human health industry", carries forward the spirit of "people-oriented, self-improvement, pragmatic innovation, and constantly transcend", and practices the concept of "integrity, dedication, pragmatism, and innovation", Pragmatism and Innovation", and is committed to building the company into an international first-class equipment group in the health industry.



Wonsen 万申智能

Experienced  
Professional  
Quality service  
Best solution

# OFFICE ENVIRONMENT

Wonsen offers employees a platform for creating wealth and happy life. Wonsen respects every employee and holds the concept that talents are the first wealth of our company. Oriented by performance, Wonsen helps employees realize self-value through fair and just competition. Wonsen has created a harmonious and friendly working atmosphere with humanistic enterprise management and sound corporate culture.





# ENTERPRISE HONORS



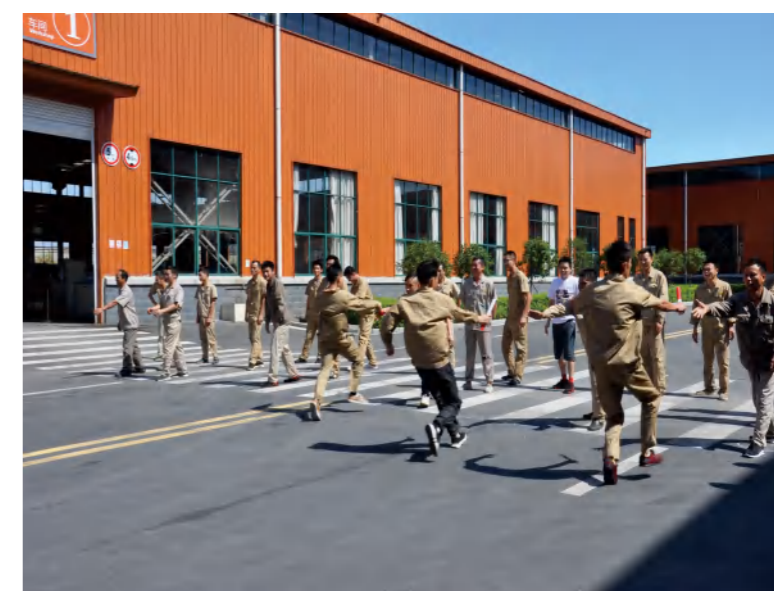
**Wonsen 万申智能**

Sincerity constructs harmony and wins honors.



# VERSATILE STAFF

Hard work pays off, and it is your diligence and dedication that have shaped Wonsen's success today. With youth and passion, we continue to create a brighter future.



# INNOVATIVE TEAM

Innovation is the engine for survival and development of enterprise and is the base of corporate cultural spirit of Wonsen. Wonsen is always striving to build an innovative environment, introduce a competition system, enhance innovative conception and improve innovative ability of employees. Our enterprise pays much attention to information orientation, and applies new knowledge and advanced technology into updating product. The research and development ability has been increasingly enhanced, and Wonsen has been more vigorous with new products and technology emerging.



# WORKSHOP

We rigorously follow on-site workshop management and 6S regulations, abide by safety production procedures, and constantly enhance production efficiency and product quality while ensuring the safety and well-being of our workers.

## Lean management



# PRODUCTION FACILITIES

The basis of market competition is inseparable from the improvement of equipment and facilities. In order to manufacture high quality products, Wonsen constantly introduces advanced high-precision production equipment from home and abroad, leading the development of industrial modernization.



We take product quality as the lifeline, adopt high-precision testing instruments and process quality monitoring, eliminate potential hidden dangers in every detail, and achieve zero defects in product delivery.abroad, leading the development of industrial modernization.

# INSPECTION EQUIPMENT



**Wonsen 万申智能**  
 Wonsen is your most trustworthy partner



# CUSTOMERS

Faithful customers are the base for Wonsen to survive. "Being sincere, faithful, pioneering and enterprising" is the marketing concept that Wonsen always abides by, and it is our goal to seek for mutual progress with customers.

# ENGINEERING CASES

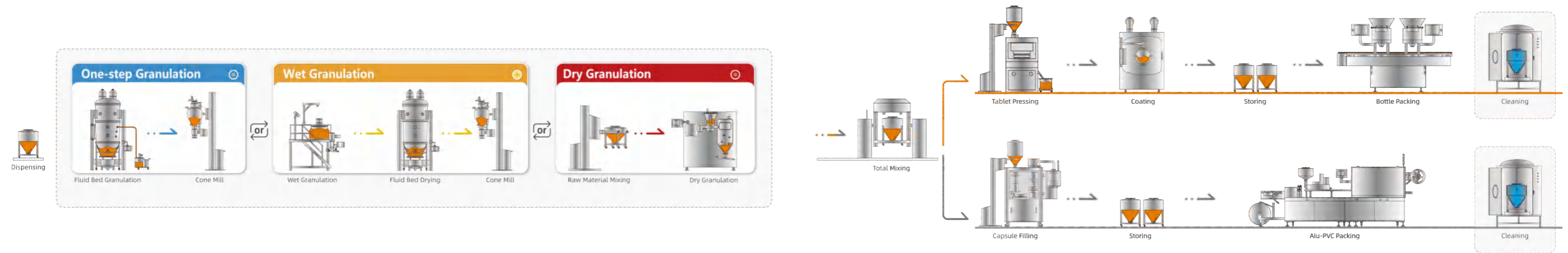
Wonsen has a skilled and experienced after-sales team, well-versed in theoretical knowledge and proficient in installation. With a proactive and enthusiastic approach, they offer comprehensive services, including installation, commissioning, training, and warranty support. Moreover, they assist clients in customizing and optimizing process parameters, catering to their diverse requirements.



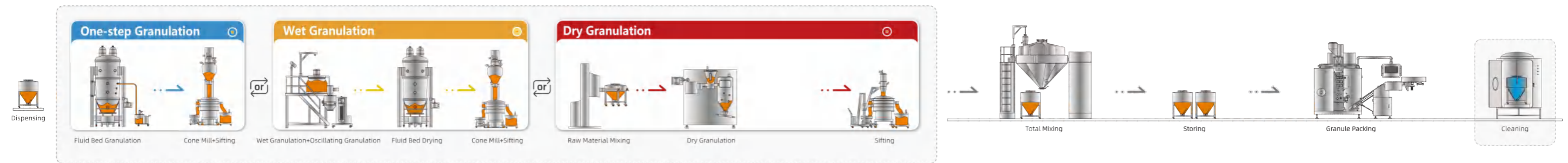
# PROCESS FLOW CHART

Flexible, Efficient, and Personalized customization  
Meeting diverse production needs of our customers.

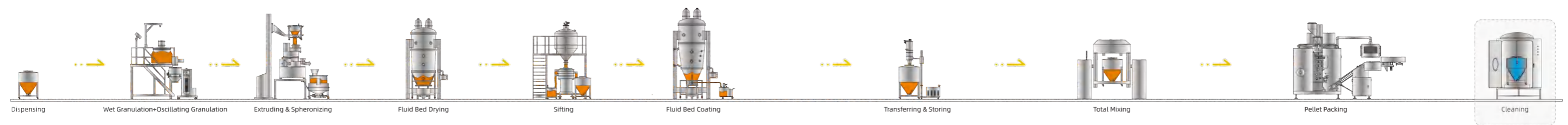
## TABLET / CAPSULE PRODUCTION LINE



## GRANULE PRODUCTION LINE



## PELLET PRODUCTION LINE



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- 47 ZLXHD Multifunctional Bin Cleaning Machine
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# Closed Granulation Line



## Application

The closed granulation line has the functions of granulating, drying and cone mill. It is mainly used for powder granulation in the pharmaceutical, food, chemical and other industries.

## Features

- ▲ Wall mounted design, space saving
- ▲ Closed transferring, improving operation efficiency and reducing the risk of material exposure
- ▲ Can set for batch continuous automatic production, making the production process more in line with GMP requirements
- ▲ Process control and PAT
- ▲ CIP cleaning
- ▲ Control system can optionally complying 21CFR Part11 requirements



# High Shear Mixer Granulator

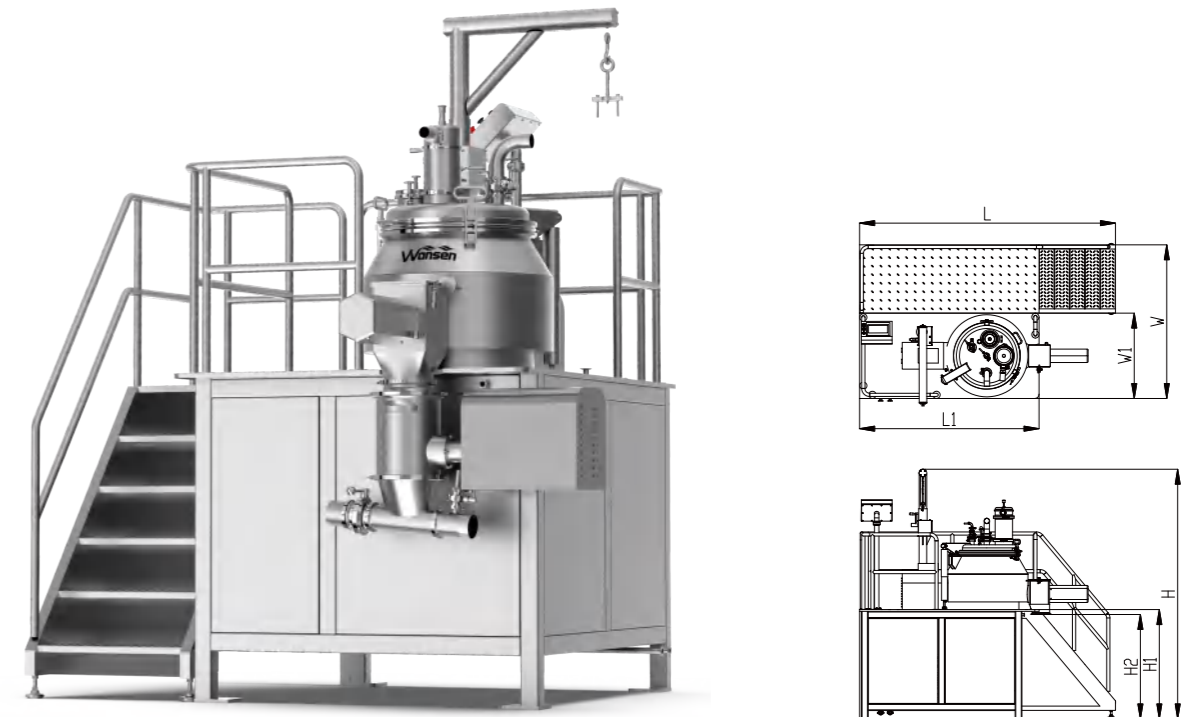


## Application

It has many functions such as mixing, granulating, wet cone mill, etc. It has been widely used in pharmaceutical, food, chemical industry, etc.

## Features

- ▲ Higher working platform, better for connecting with FBD to discharge
- ▲ Compact structure
- ▲ Tangential impeller
- ▲ WIP system
- ▲ Good reproducibility
- ▲ Can connect with fluid bed dryer to form a fully closed granulating production line
- ▲ Fully meet FDA,CGMP,GMP
- ▲ Control system can optionally complying 21CFR Part11 requirements



## Technical Parameter

Item	Model	SHLG-100	SHLG-150	SHLG-200	SHLG-300	SHLG-400	SHLG-500	SHLG-600	SHLG-800	SHLG-1000
Effective volume (L)		100	150	200	300	400	500	600	800	1000
Working volume (L)		40-80	60-120	80-160	120-240	160-320	200-400	240-480	320-640	400-800
Feeding quantity (kg/batch)		20-40	30-60	40-80	60-120	80-160	100-200	120-240	160-320	200-400
Total power (kW)		17.2	22.7	30.5	41.5	41.5	50	58	71.5	71.5
Mixing impeller rotation speed (rpm)		15-200	15-200	15-200	15-200	15-200	15-170	15-170	15-150	10-120
Granulating chopper rotation speed (rpm)		300-2800	300-2800	300-2800	300-2800	300-2800	300-2800	300-2800	300-2800	300-2800
Wet co-mill rotation speed (rpm)		300-900	300-900	300-900	300-900	300-900	300-900	300-900	300-900	300-900
Compressed air consumption (m <sup>3</sup> /min)		0.4	0.4	0.6	0.6	0.6	1	1	1	1
Compressed air pressure (MPa)		0.6-0.8	0.6-0.8	0.6-0.8	0.6-0.8	0.6-0.8	0.6-0.8	0.6-0.8	0.6-0.8	0.6-0.8
Weight (kg)		1200	1500	1800	2000	2200	2500	3000	3500	4000
Dimension (mm) L*W*H		2200*2300*2600	2365*2400*2600	2580*2400*3050	2580*2600*3050	2605*2600*3050	2780*2800*3050	2780*2800*3050	2980*2900*3250	3180*3100*3350

Note: The referenced bulk density is 0.5g/cm<sup>3</sup>. The loading coefficient is 0.4 - 0.8, calculated based on the maximum volume during the production process. Our company can customize products according to user requirements.

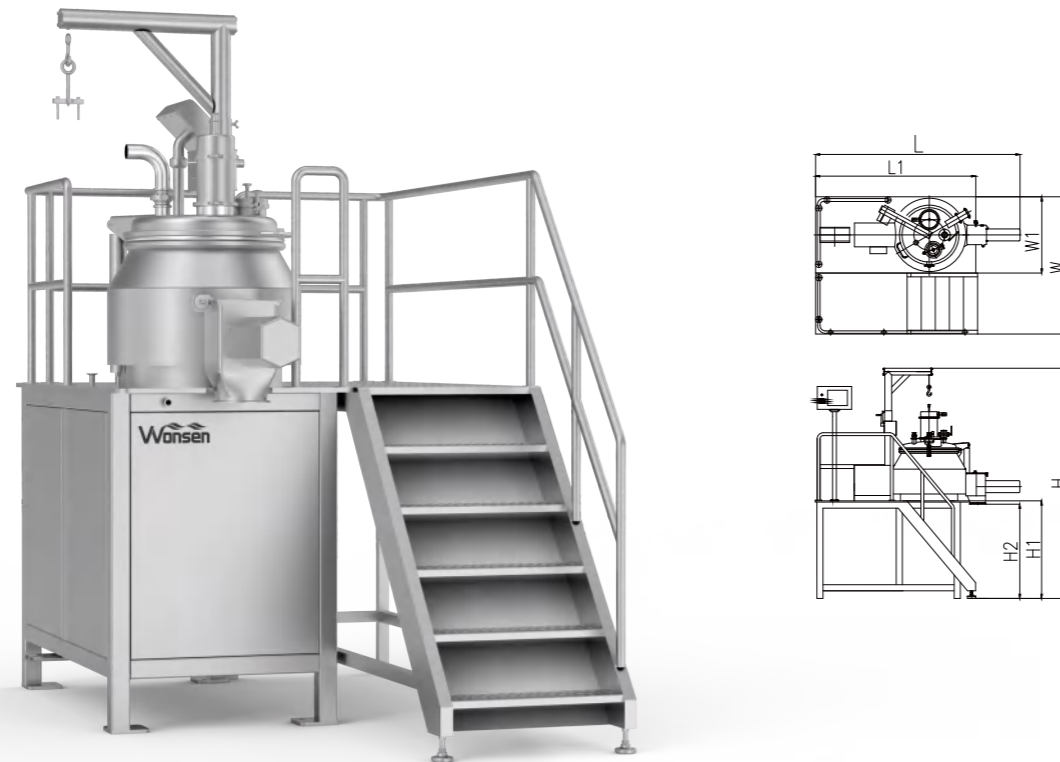
# Rapid Mixer Granulator

## Application

It has many functions such as mixing, granulating, etc. It has been widely used in pharmaceutical, food, chemical industry, etc.

## Features

- ▲ Lower working platform, mainly suitable for lower room height
- ▲ Compact structure
- ▲ Tangential impeller
- ▲ WIP system
- ▲ Good reproducibility
- ▲ Can connect with fluid bed dryer to form a fully closed granulating production line
- ▲ Fully meet FDA,CGMP,GMP
- ▲ Control system can optionally complying 21CFR Part11 requirements



## Technical Parameter

Item	Model	SHL-100	SHL-150	SHL-200	SHL-300	SHL-400	SHL-500	SHL-600	SHL-800	SHL-1000
Effective volume (L)		100	150	200	300	400	500	600	800	1000
Working volume (L)		40-80	60-120	80-160	120-240	160-320	200-400	240-480	320-640	400-800
Feeding quantity (kg/batch)		20-40	30-60	40-80	60-120	80-160	100-200	120-240	160-320	200-400
Total power (kW)		17.2	22.7	30.5	41.5	41.5	50	58	71.5	71.5
Mixing impeller rotation speed (rpm)		15-200	15-200	15-200	15-200	15-200	15-170	15-170	15-150	10-120
Granulating chopper rotation speed (rpm)		300-2800	300-2800	300-2800	300-2800	300-2800	300-2800	300-2800	300-2800	300-2800
Wet co-mill rotation speed (rpm)		300-900	300-900	300-900	300-900	300-900	300-900	300-900	300-900	300-900
Compressed air consumption (m3/min)		0.4	0.4	0.6	0.6	0.6	1	1	1	1
Compressed air pressure (MPa)		0.6-0.8	0.6-0.8	0.6-0.8	0.6-0.8	0.6-0.8	0.6-0.8	0.6-0.8	0.6-0.8	0.6-0.8
Weight (kg)		1200	1500	1800	2000	2200	2500	3000	3500	4000
Dimension (mm) L*W*H		2200*2300*2600	2365*2400*2600	2580*2400*3050	2580*2600*3050	2605*2600*3050	2780*2800*3050	2780*2800*3050	2980*2900*3250	3180*3100*3350

Note: The referenced bulk density is 0.5g/cm<sup>3</sup>. The loading coefficient is 0.4 - 0.8, calculated based on the maximum volume during the production process. Our company can customize products according to user requirements.

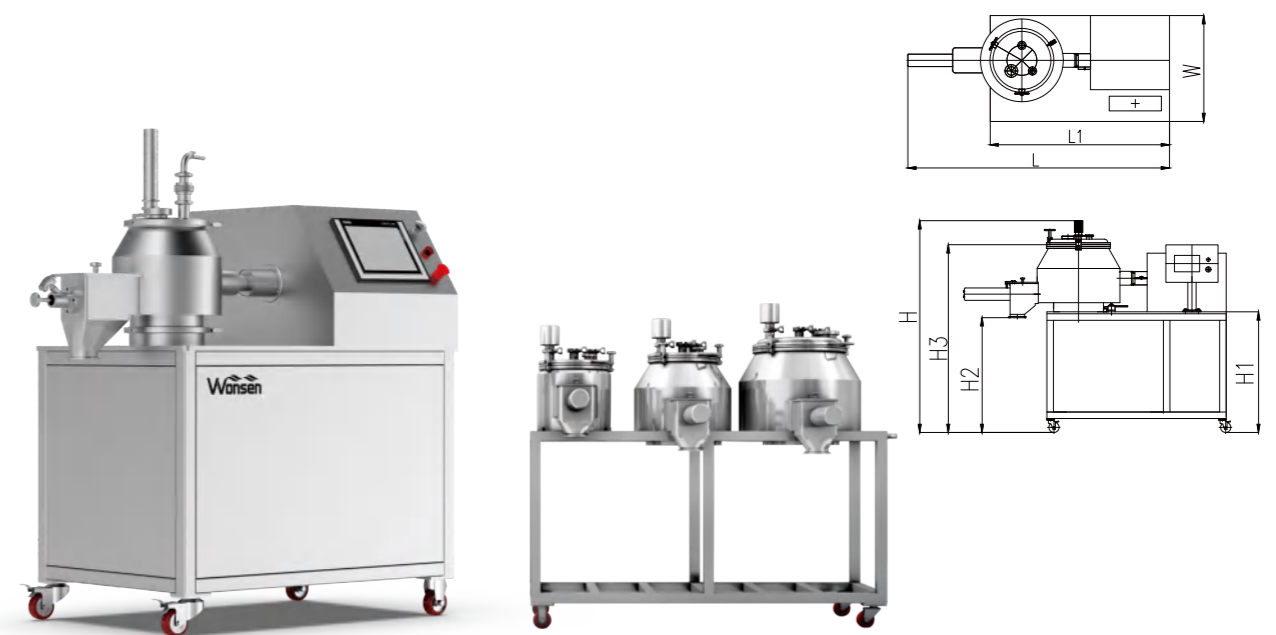
# Lab Rapid Mixer Granulator

## Application

The machine is mainly suitable for small batch granulation process in the R&D. The powder material and the binder are mixing at high speed by the mixing impeller inside the granulating pot, and then cutting into uniform wet granules by the side high speed chopper. The purpose of the granules is one of the process equipment commonly used in the production of solid preparations in the pharmaceutical industry, and is widely used in the pharmaceutical, food, chemical and other industries.

## Features

- ▲ Movable with heavy duty wheels, with brake
- ▲ Compact structure and space saving
- ▲ Good reproducibility and safety interlocking system
- ▲ With interchangeable granulating pots for different capacity
- ▲ Can optionally with transparent glass pot lid for better viewing
- ▲ Fully meet FDA,CGMP,GMP
- ▲ Control system can optionally complying 21CFR Part11 requirements



## Technical Parameter

Item	Model	SHLS-1	SHLS-3	SHLS-6	SHLS-10	SHLS-15	SHLS-25	SHLS-50
Effective volume (L)		1	3	6	10	15	25	50
Working volume (L)		0.4-0.8	1.2-2.4	2.4-4.8	4-8	6-12	10-20	20-40
Feeding quantity (kg/batch)		0.2-0.4	0.6-1.2	1.2-2.4	2-4	3-6	5-10	10-20
Total power (kW)		1.85	1.85	1.85	2.6	6.2	6.2	6.2
Mixing impeller rotation speed (rpm)		25-400	25-400	25-400	25-400	15-220	15-220	15-220
Granulating chopper rotation speed (rpm)		300-2800	300-2800	300-2800	300-2800	300-2800	300-2800	300-2800
Compressed air consumption (m3/min)		0.1	0.1	0.1	0.1	0.3	0.3	0.3
Compressed air pressure (MPa)		0.6-0.8	0.6-0.8	0.6-0.8	0.6-0.8	0.6-0.8	0.6-0.8	0.6-0.8
Weight (kg)		220	250	270	300	400	430	450
Dimension (mm) L*W*H		1375*700*1100	1400*700*1110	1425*700*1120	1450*700*1140	1530*750*1250	1580*750*1300	1630*750*1600

Note: The referenced bulk density is 0.5g/cm<sup>3</sup>. The loading coefficient is 0.4 - 0.8, calculated based on the maximum volume during the production process. Our company can customize products according to user requirements.

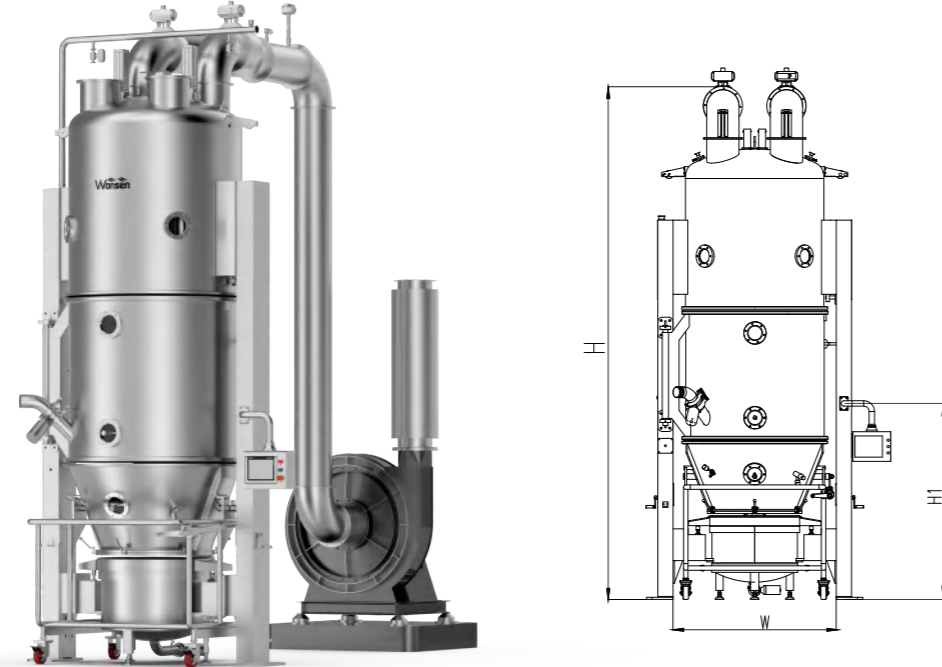
# Fluid Bed Dryer

## Application

The machine is a process machine widely applied for solid preparation production in the pharmaceutical industry. It has mixing and drying functions. It is also widely used in such industries as medicine, chemical industry, food, etc.

## Features

- ▲ Two heating modes alternative, such as electric heating or steam heating
- ▲ PID precision control
- ▲ High processing efficiency, with closed online sampling
- ▲ Ex-proof system/anti-10 or 12 bar/final dedusting system/dehumidifier system are available
- ▲ WIP system/PAT are available
- ▲ Fully meet FDA, CGMP, GMP
- ▲ Control system can optionally complying 21CFR Part11 requirements



## Technical Parameter

Item	Model	FG-15	FG-30	FG-60	FG-120	FG-200	FG-300	FG-500
Effective volume (L)		45	90	170	350	570	860	1430
Working volume (L)		13-30	27-60	50-120	100-240	170-400	257-600	430-1000
Feeding quantity (kg/batch)		6.5-15	14-30	25-60	50-120	85-200	130-300	215-500
Total power (kW)		7.5	11	18.5	22	30	37	75
Steam 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
Steam consumption (kg/h)		144	144	245	287	328	410	533
Compressed air pressure (MPa)		0.6-0.8	0.6-0.8	0.6-0.8	0.6-0.8	0.6-0.8	0.6-0.8	0.6-0.8
Compressed air consumption (m3/min)		0.4	0.6	0.9	1.0	1.0	1.5	1.8
Heating temperature range (°C)		Room temperature ~ 120°C						
Main machine weight (kg)		800	1000	1200	1400	2000	2500	3500
Auxiliary machine weight (kg)		2790	2790	3280	4020	3280	4050	4450
Dimension (mm) L*W*H		578*984*3114	772*984*3234	1022*1340*4154	1024*1540*4708	1378*1840*4840	1580*1840*5365	1868*2240*6000

Note: The referenced bulk density is 0.5g/cm<sup>3</sup>. The loading coefficient is 0.3 - 0.7, calculated based on the maximum volume during the production process. Our company can customize products according to user requirements.

# Fluid Bed Granulator



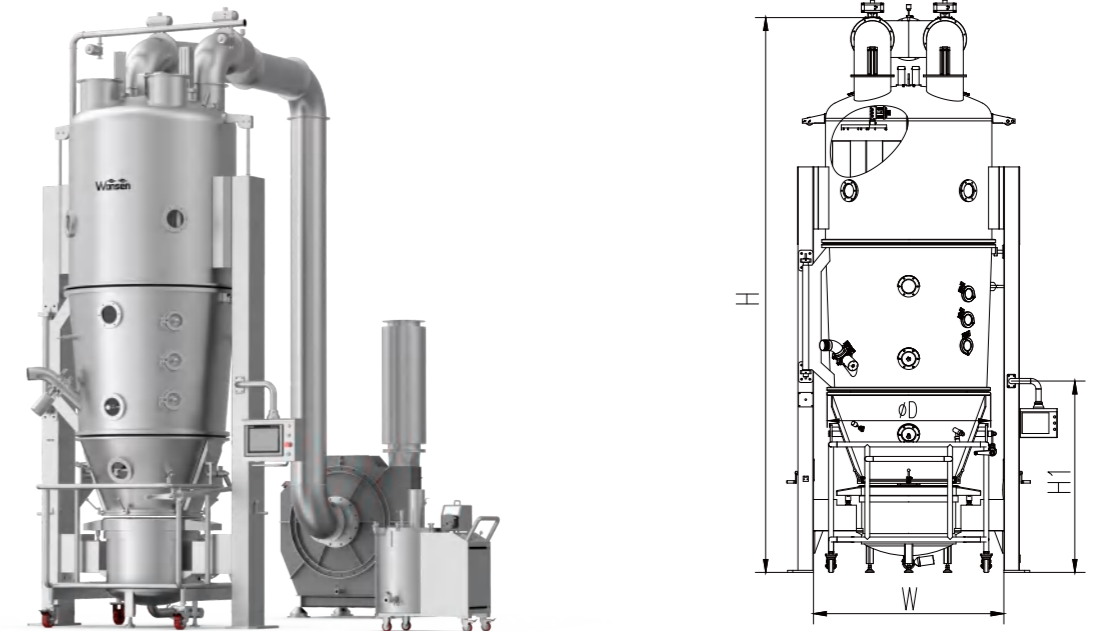
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## Application

The machine is a process machine widely applied for solid preparation production in the pharmaceutical industry. It has mixing, drying, granulating functions. It is also widely used in such industries as medicine, chemical industry, food, etc.

## Features

- ▲ With top spraying system for granulation
- ▲ Two heating modes alternative, such as electric heating or steam heating
- ▲ PID precision control
- ▲ High processing efficiency, with closed online sampling
- ▲ Ex-proof system/anti-10 or 12 bar/final dedusting system/dehumidifier system are available
- ▲ WIP system/PAT are available
- ▲ Fully meet FDA, CGMP, GMP
- ▲ Control system can optionally complying 21CFR Part11 requirements



## Technical Parameter

Item	Model	FL-15	FL-30	FL-60	FL-120	FL-200	FL-300	FL-500
Effective volume (L)		45	90	170	350	570	860	1430
Working volume (L)		13-30	27-60	50-120	100-240	170-400	257-600	430-1000
Feeding quantity (kg/batch)		6.5-15	14-30	25-60	50-120	85-200	130-300	215-500
Total power (kW)		7.5	11	18.5	22	30	37	75
Steam 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
Steam consumption (kg/h)		144	144	245	287	328	410	533
Compressed air pressure (MPa)		0.6-0.8	0.6-0.8	0.6-0.8	0.6-0.8	0.6-0.8	0.6-0.8	0.6-0.8
Compressed air consumption (m3/min)		0.4	0.6	0.9	1.0	1.0	1.5	1.8
Heating temperature range (°C)		Room temperature ~ 120°C						
Main machine weight (kg)		800	1000	1200	1400	2000	2500	3500
Auxiliary machine weight (kg)		2790	2790	3280	4020	3280	4050	4450
Dimension (mm) L*W*H		578*984*3114	772*984*3234	1022*1340*4154	1024*1540*4708	1378*1840*4840	1580*1840*5365	1868*2240*6000

Note: The referenced bulk density is 0.5g/cm<sup>3</sup>. The loading coefficient is 0.3 - 0.7, calculated based on the maximum volume during the production process. Our company can customize products according to user requirements.

# Multifunctional Fluid Bed Granulator

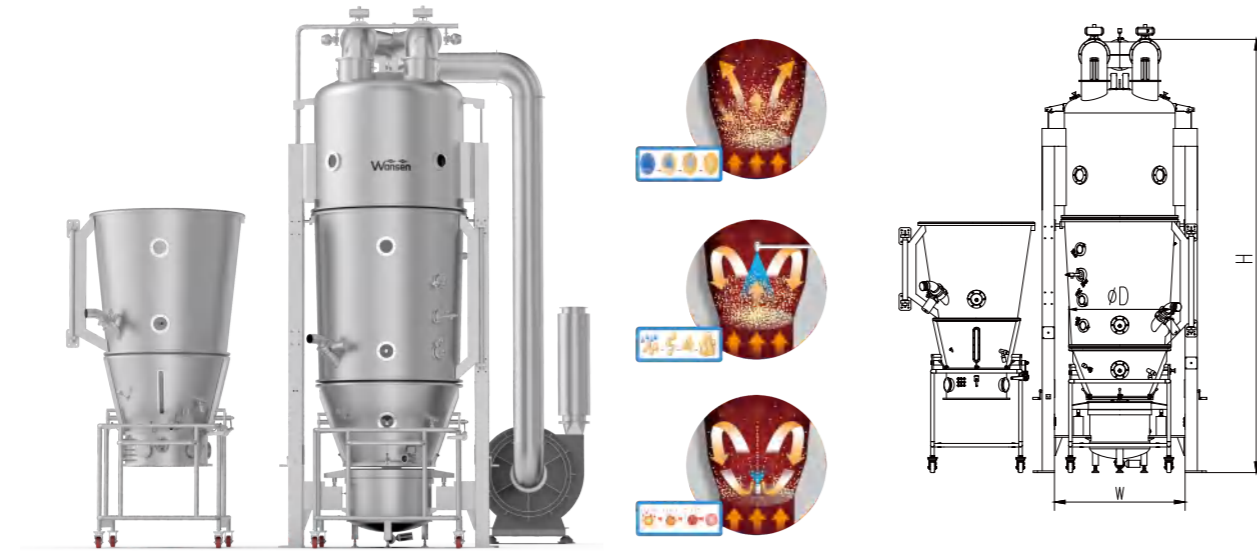


## Application

The machine is a process machine widely applied for solid preparation production in the pharmaceutical industry. It has mixing, drying, top granulating and bottom coating functions. It is also widely used in such industries as medicine, chemical industry, food, etc.

## Features

- ▲ With top spray for granulating and bottom spray for pellet coating
- ▲ Two heating modes alternative, such as electric heating or steam heating
- ▲ PID precision control
- ▲ High processing efficiency, with closed online sampling
- ▲ Ex-proof system/anti-10 or 12 bar/final dedusting system/dehumidifier system are available
- ▲ WIP system/PAT are available
- ▲ Fully meet FDA, CGMP, GMP
- ▲ Control system can optionally complying 21CFR Part11 requirements



## Technical Parameter

Item	Model	DPL-30	DPL-60	DPL-120	DPL-200	DPL-300
Effective volume (L)	Coating	80	160	320	400	760
	Granulation & Drying	90	170	350	572	860
Working volume (L)	Coating	24-40	48-80	96-160	120-200	228-380
	Granulation & Drying	27-60	50-120	100-240	170-400	260-600
Production capacity (kg/batch)	Coating	12-20	24-40	48-80	60-100	114-190
	Granulation & Drying	14-30	25-60	50-120	85-200	130-300
Total power (kW)		11	18.5	22	30	37
Steam pressure (MPa)		0.4-0.6	0.4-0.6	0.4-0.6	0.4-0.6	0.4-0.6
Steam consumption (kg/h)		144	245	287	328	410
Compressed air pressure (MPa)		0.6-0.8	0.6-0.8	0.6-0.8	0.6-0.8	0.6-0.8
Compressed air consumption (m3/min)		0.6	0.9	2	2.5	3
Heating temperature range (°C)		Room temperature ~ 120°C				
Main machine weight (kg)		1200	1600	1800	2300	2500
Auxiliary machine weight (kg)		2790	3280	4020	3820	4050
Dimension (mm) L*W*H		772*984*3374	1022*1340*4353	1024*1540*4908	1378*1540*5040	1580*1840*5865

Note: The referenced bulk density is 0.5g/cm<sup>3</sup>. The granulation loading coefficient is 0.3 - 0.7, The coating loading coefficient is 0.3-0.5. calculated based on the maximum volume during the production process. Our company can customize products according to user requirements.

# Lab Multifunctional Fluid Bed Granulator

## Application

It has many functions such as mixing, drying, top spraying granulation, bottom spraying coating, etc. It has been widely used in pharmaceutical, food, chemical industry, etc.



## Technical Parameter

Item	Model	DPLS-1	DPLS-3	DPLS-5
Effective volume (L)	Coating	3	8	12
	Granulation & Drying	3	8.5	14
Working volume (L)	Coating	0.9-1.5	2.4-4	3.6-6
	Granulation & Drying	0.3-2	2.5-6	4.2-10
Production capacity (kg/batch)	Coating	0.45-0.75	1.2-2	1.8-3
	Granulation & Drying	0.45-1	1.25-3	2-5
Total power (kW)		6.2	14.5	19.5
Compressed air pressure (MPa)		0.6-0.8	0.6-0.8	0.6-0.8
Compressed air consumption (m3/min)		0.15	0.6	0.6
Heating temperature range (°C)		Room temperature ~ 100°C		
Hot air filtration precision		Sub-HEPA or HEPA		
Weight (kg)		700	800	850
Dimension (mm) L*W*H		1600*855*2375	1900*1100*2510	2100*1200*2825

Note: The referenced bulk density is 0.5g/cm<sup>3</sup>. The granulation loading coefficient is 0.3 - 0.7, The coating loading coefficient is 0.3-0.5. calculated based on the maximum volume during the production process. Our company can customize products according to user requirements.

# Lifting Turnover Dry Cone Mill

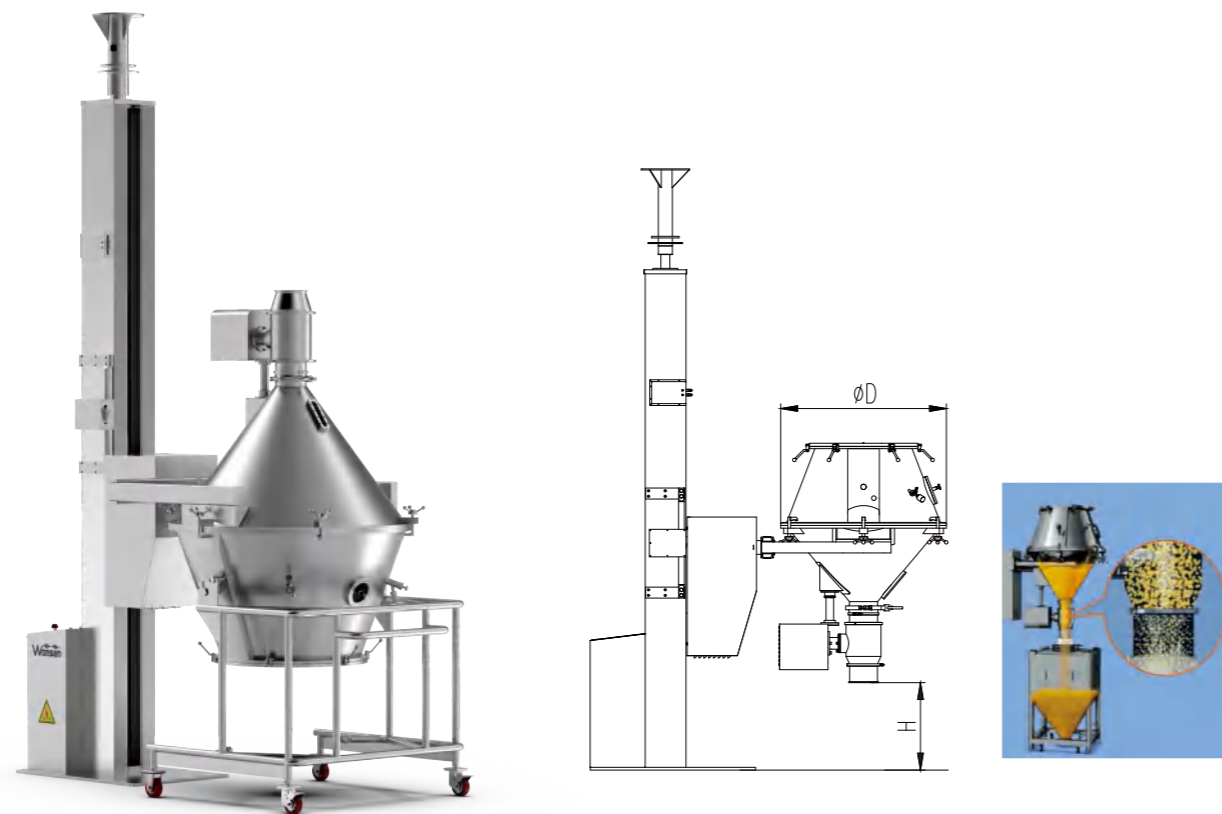


## Application

The machine is mainly used for dry cone milling, transferring, discharging solid materials, can be matched with FBG or FBD bowls. It has been widely used in pharmaceutical, food and chemical industry.

## Features

- ▲ Labor saving and efficient process flow
- ▲ Less material loss and minimum damage to granules
- ▲ Can be connecting with FBD bowl and transferring and discharging automatically
- ▲ On-line cone mill solution
- ▲ Hermetical gravity discharging solution at various height by lifting system
- ▲ Button panel control



## Technical Parameter

Item	Model	JTZ-30	JTZ-60	JTZ-120	JTZ-200	JTZ-300	JTZ-500
Net load (kg)		30	60	120	200	300	500
Total power (kW)		6.75	6.75	6.75	7.1	8.1	8.1
Dry cone mill model		FZT-450	FZT-450	FZT-450	FZT-450	FZT-700	FZT-700
Screen mesh size (mm)		Φ0.6-3	Φ0.6-3	Φ0.6-3	Φ0.6-3	Φ0.6-3	Φ0.6-3
Max. dry cone mill capacity (kg/h)		450	450	450	450	700	700
Weight (kg)		650	700	800	1000	1100	1200
Dimension (mm) L*W*H		2676*956*4450	2689*1212*4450	2864*1360*4450	2943*1558*4450	3028*1763*4450	3772*2046*4450

Note: Our company can customize products according to user requirements. The equipment height can be customized to match the floor height.

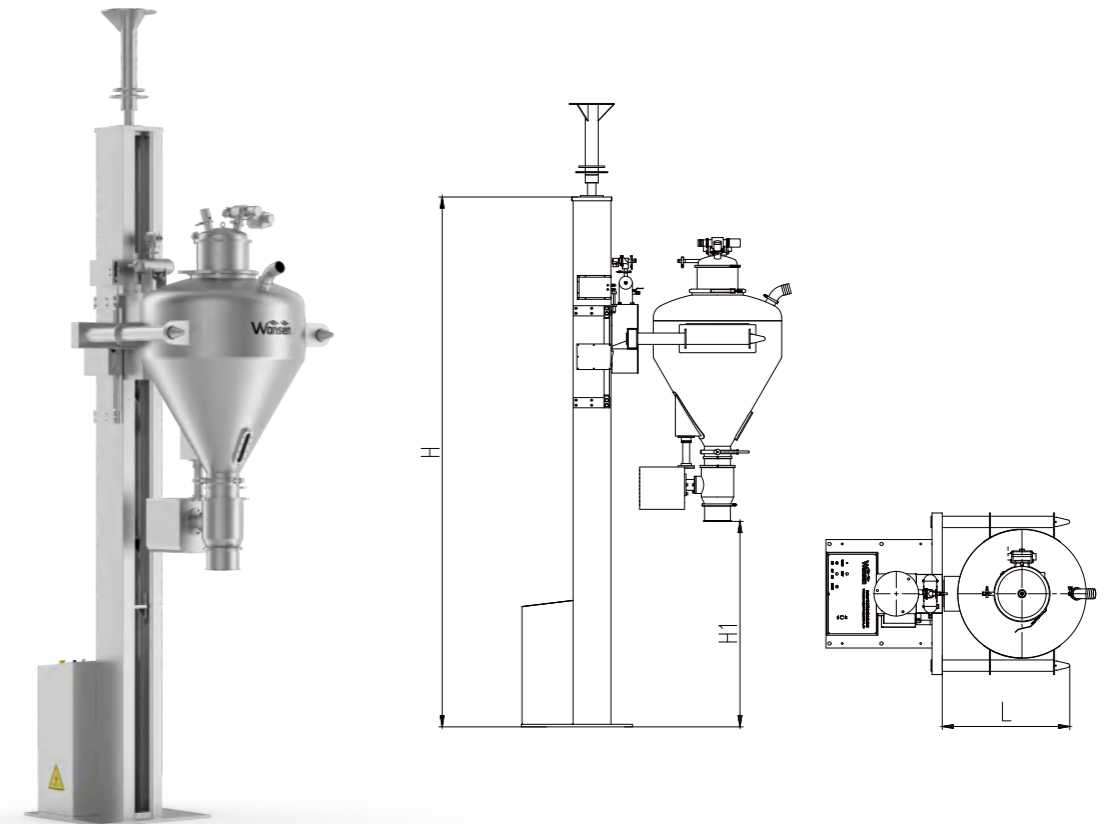
# Lifting Vacuum Dry Cone Mill

## Application

The machine is mainly used for vacuum conveying, dry cone milling, discharging solid materials. It has been widely used in pharmaceutical, food and chemical industry.

## Features

- ▲ Labor saving and efficient process flow
- ▲ Dust free and no cross contamination
- ▲ Integrated with vacuum conveyer
- ▲ Can be closed vacuum connecting with FBD and transferring and discharging automatically
- ▲ On-line milling solution
- ▲ Hermetical gravity discharging solution at various height by lifting system
- ▲ HMI and PLC auto control



## Technical Parameter

Item	Model	ZLZ-100	ZLZ-200	ZLZ-300	ZLZ-400	ZLZ-500	ZLZ-700	ZLZ-1000
Effective volume (L)		100	200	300	400	500	700	1000
Net load (kg)		100	200	300	400	500	700	1000
Total power (kW)		4.1	6	6	6	6	7	7
Dry cone mill model		FZT-100	FZT-450	FZT-450	FZT-450	FZT-450	FZT-700	FZT-700
Screen mesh size (mm)		Φ0.6-3	Φ0.6-3	Φ0.6-3	Φ0.6-3	Φ0.6-3	Φ0.6-3	Φ0.6-3
Max. dry cone mill capacity (kg/h)		100	450	450	450	450	700	700
Weight (kg)		700	800	850	900	950	1000	1150
Dimension (mm) L*W*H		Designed according to process requirements						

Note: Our company can customize products according to user requirements.

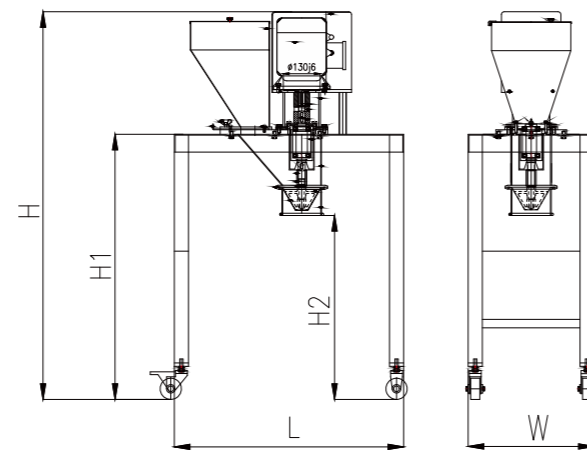
# Grinding Dry Cone Mill

## Application

The machine is mainly used for dry cone milling solid materials. It has been widely used in pharmaceutical, food and chemical industry.

## Features

- ▲ Labor saving and efficient process flow
- ▲ Easy control of granule size
- ▲ Easy to clean and no overheating of materials
- ▲ Little dust and low noise
- ▲ High efficiency and energy saving
- ▲ Moveable design



## Technical Parameter

Item	Model	FZM-100	FZM-300	FZM-450	FZM-700	FZM-1000
Dry cone mill capacity (kg/h)		100	300	450	700	1000
Total power (kW)		1.5	2.2	3	4	5.5
Rotation speed (rpm)		300~2800	300~2800	300~2800	300~2800	300~2800
Screen mesh size (mm)		Φ0.6-3	Φ0.6-3	Φ0.6-3	Φ0.6-3	Φ0.6-3
Weight (kg)		110	120	135	150	180
Dimension (mm) L*W*H		810*445*1370	810*445*1410	920*445*1450	1000*600*1650	1100*600*1720

Note: Our company can customize products according to user requirements.

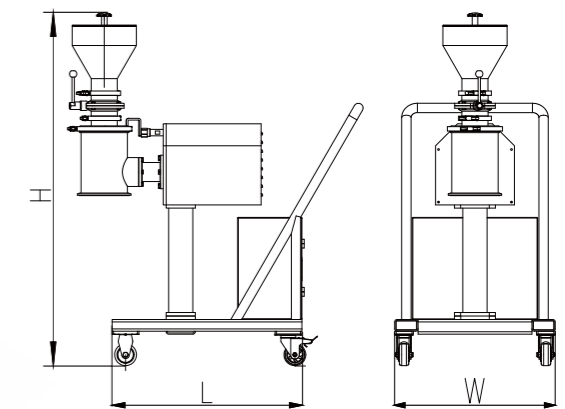
# Moveable Multi-mill

## Application

The machine uses the high-speed relative movement between the rotor and the screen to quickly mill the lump-shaped materials under the rollers and pass through the sieve holes to form granules. The finished granules are discharged instantaneously. The frequency conversion speed regulation is adopted, and the spindle speed is adjustable. The range is wide, the lower drive is adopted, and the feeding is smooth. It can be used with high shear mixer granulator and fluid bed dryer respectively.

## Features

- ▲ Optional with lifting device for ±100mm to connect with high shear mixer granulator
- ▲ Available for both wet and dry cone mill
- ▲ It can be equipped with a quantitative feeding mechanism to improve the consistency of granule size
- ▲ The opening of the screen hole is as small as Φ0.4mm, the opening rate is high, and there is no dead corner
- ▲ The cone mill granule size is fine, and the material passing rate is high
- ▲ Effectively reduce the occurrence of material heating and is easy to clean
- ▲ With movable wheels with brake



## Technical Parameter

Item	Model	ZLJ-125	ZLJ-150	ZLJ-200	ZLJ-250	ZLJ-270
Production capacity (kg/h)		≤250	200-500	500-1500	1500-2500	1500-3000
Total power (kW)		3	4.4	8	8	8
Max. rotation speed (rpm)		2000	1450	960	960	960
Weight (kg)		150	220	270	300	320
Dimension (mm) L*W*H		1150*450*1500	1250*650*1600	1600*700*1600	1600*700*1600	1600*700*1600

Note: Our company can customize products according to user requirements, Production capacity is calculated based on 10\*10mm screen.

# Roller Compactor

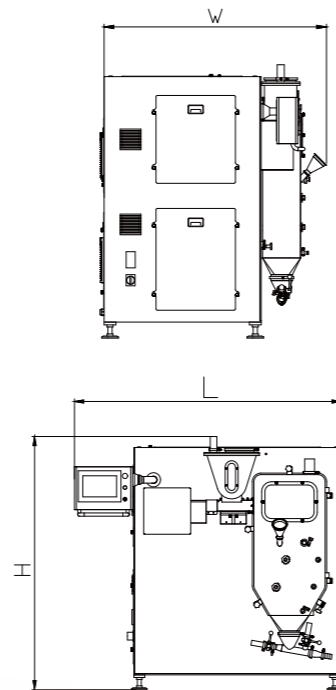
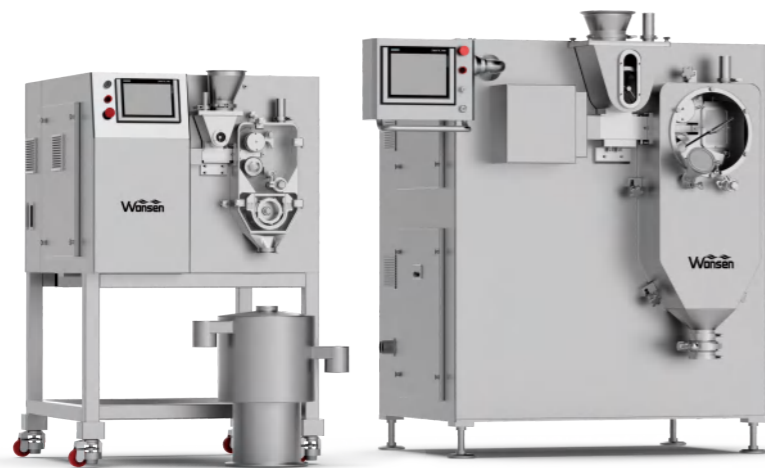


## Application

Roller compactor adopts continuous loading and discharging, integrates the compacting, cutting and granulating mill functions, directly makes powder into granules. It is especially suitable for granulation of materials which are thermo-sensitive and humidity sensitive, easily broken down or agglomerated. It has been widely used in pharmaceutical, food, chemical and other industries. In the pharmaceutical industry, granules made by the roller compactor can be directly pressed into tablets or filled into capsules.

## Features

- ▲ 3 functions in one unit: compacting, cutting, granulating mill
- ▲ Simplified process to obtain highly stable granules. No water or other liquid is added and no need drying, so the loss of active ingredients due to decomposition can be eliminated
- ▲ Rollers with a water circulating cooling system
- ▲ Rollers available with different types: smooth, anilox, curl
- ▲ Overall modular design, compact structure, better space utilization
- ▲ The power area is separated from the work area to prevent cross contamination
- ▲ Horizontal screw feeding structure, exposed installation of compacting roller system, easy to clean&maintain
- ▲ With vacuum air exhaust for feeding system
- ▲ Fully meet GMP requirements
- ▲ Control system complying 21 CFR Part 11 requirements



## Technical Parameter

Item	Model	LGP-100	LGP-120	LGP-160	LGP-200	LGP-240
Roller size D*W (mm)		100*20	120*40	160*60	200*75	240*100
Loading capacity (kg/h)-Lactose		0.1-15	0.1-50	30-100	50-200	50-300
Total power (kW)		3.1	4.6	12.0	14.0	27.0
Max. pressure of roller (KN/cm)		30	25	25	30	30
Roller speed (rpm)		0-23	0-27	0-27	0-27	0-27
Screw feeding speed (rpm)		0-140	0-140	0-140	0-180	0-140
Granulating speed (rpm)		0-140	0-140	0-140	0-120	0-140
Referenced weight (kg)		800	900	2300	2600	3500
Referenced dimension (mm) L*W*H		1000*1230*1540	1540*1250*1650	1840*1140*1760	1860*1360*1860	2000*3800*3300

Note: 1. The above loading capacity is tested with lactose. For other materials, the loading capacity is determined based on their density and flowability. 2. This table is for reference only. Regarding equipment upgrades, please refer to the latest technical parameter. 3. Our company can customize products according to user requirements.

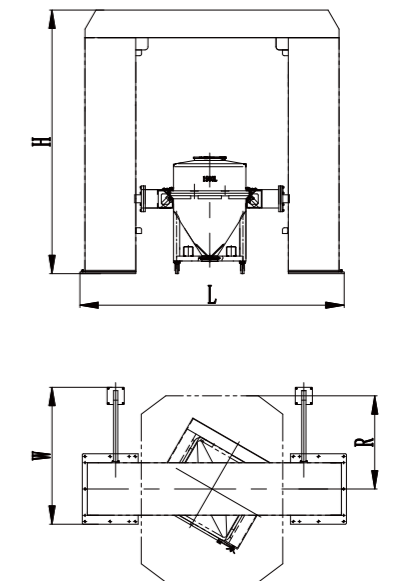
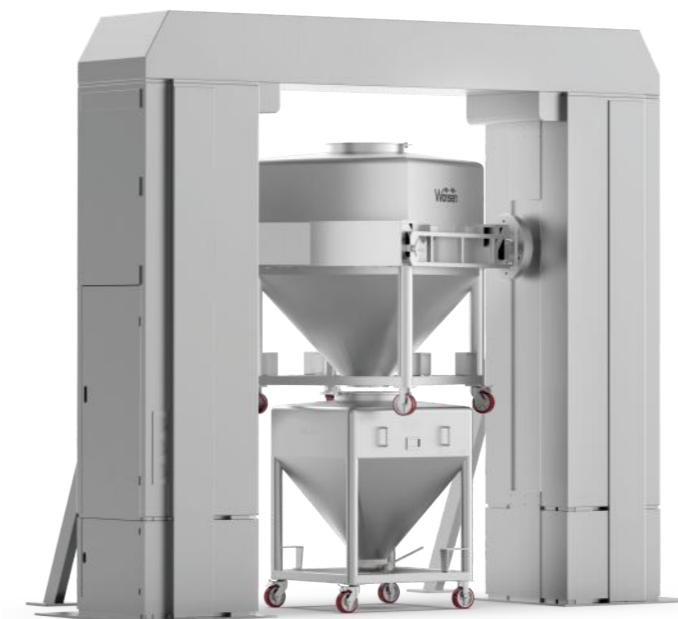
# Gantry Type Lifting Bin Blender

## Application

This equipment is mainly used in the material mixing process of the solid preparation production process in the pharmaceutical industry, and can be applied in industries such as pharmaceuticals, food, and chemical engineering.

## Features

- ▲ Double column structure for more stable equipment operation
- ▲ Equipped with mixing and discharging positions, can achieve secondary lifting, one machine can be used for multiple purposes, meet the requirements for discharging at different heights
- ▲ Hydraulic clamping, with automatic pressure maintaining function, reliable clamping
- ▲ Compatible with smaller mixing bins of different specification
- ▲ Meet GMP requirements Adopt HMI and PLC, auto control system, can optionally comply 21 CFR Part 11 requirement



## Technical Parameter

Item	Model	LHLT-1000	LHLT-1200	LHLT-1500	LHLT-2000
Effective volume (L)		1000	1200	1500	2000
Working volume (L)		300-800	360-960	450-1200	600-1600
Max. loading weight (kg)		500	600	750	1000
Total power (kW)		11.25	11.25	11.25	14.75
Rotation speed (rpm)		3-13	3-13	3-13	3-13
Weight (kg)		4400	4600	4800	5000
Dimension (mm) L*W*H		4310*2290*3700	4310*2290*3800	4310*2290*4000	4310*2290*4400

Note: The referenced bulk density is 0.625g/cm<sup>3</sup>. The loading coefficient is 0.3 - 0.8, calculated based on the maximum volume during the production process. Our company can customize products according to user requirements.

# Automatic Lifting Bin Blender



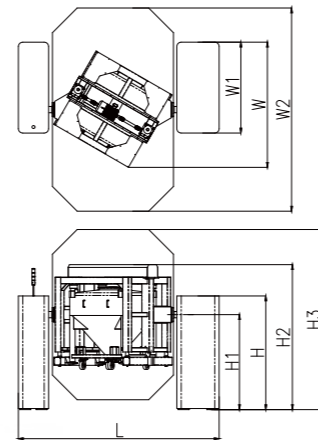
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## Application

The machine is provided with such functions as automatic lifting, mixing, positioning, etc. One bin blender can be with interchangeable mixing bins of different specifications, it can meet the mixing requirements of different batches and diversified varieties of products. It is an ideal machine for mixing in pharmaceutical plants. It is also widely used in such industries as medicine, chemical industry, food, etc.

## Features

- ▲ Reasonable structure, stable performance, convenient operation, no need corners, and no exposed bolts
- ▲ One machine can be equipped with interchangeable mixing bins of different volume for various capacity
- ▲ The rotating bin body symmetry plane is at an angle of 30° to the rotation axis. The material inside bin rotating along with the bin body to make tangential movement along the bin walls, producing strong turning and high-speed tangential movement and achieving the best mixing effect
- ▲ Equipped with the infrared safety device and discharging butterfly valve with misoperation preventer to ensure safe production
- ▲ Equipped with multiple safety interlocking mechanisms
- ▲ Effectively controlling dust pollution, without cross contamination, controlling material layering, optimized production processes
- ▲ Meet GMP requirements
- ▲ Adopt HMI and PLC auto control system, can optionally comply 21 CFR Part 11 requirements



## Technical Parameter

Item	Model	ZTH-400	ZTH-600	ZTH-800	ZTH-1000	ZTH-1200	ZTH-1500	ZTH-2000	ZTH-2500	ZTH-3000
Volume (L)		400	600	800	1000	1200	1500	2000	2500	3000
Loading coefficient		120-320	180-480	240-640	300-800	360-960	450-1200	600-1600	750-2000	900-2400
Max. loading weight (kg)		200	300	400	500	600	750	1000	1250	1500
Total power (kW)		7	7	7	7.7	8.5	10.5	10.5	15	15
Rotation speed (rpm)		3-18	3-18	3-18	3-15	3-15	3-15	3-15	2-10	2-8
Weight (kg)		1800	2500	2800	3000	3200	3600	4200	4600	5000
Dimension (mm)	L	3290	3290	3290	3660	3710	3910	4010	4425	4425
	H	2150	2150	2150	2300	2300	2300	2300	2700	2700
	W	1780	1780	1880	2070	2150	2240	2410	2520	2670

Note: The referenced bulk density is 0.625g/cm<sup>3</sup>. The loading coefficient is 0.3 - 0.8, Calculated based on the maximum volume during the production process. Our company can customize products according to user requirements.

# Square Cone Bin Blender



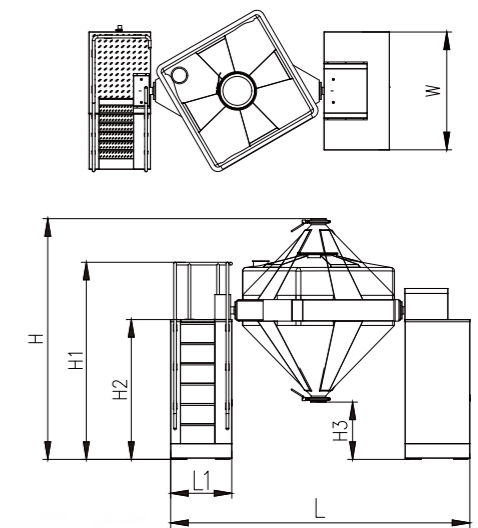
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## Application

This machine is developed in combination with the characteristics of a variety of mixers and is suitable for a wide range of mixers. It fully meets GMP requirements and other relevant industry standards. It is especially suitable for the mixing process of products with relatively single varieties and large batch sizes. Such as: pharmaceutical, food, dairy, chemical reagents and other solid preparation industries.

## Features

- ▲ With reasonable design, compact structure, can reach mixing uniformity 99% and 80% max loading coefficient
- ▲ It has such features as high rotation height, stable running, reliable performance and easy operation
- ▲ Easy discharging and cleaning, no dead corners and without cross contamination
- ▲ Suitable for large production capacity, simple operation
- ▲ With fixed bin, stable running
- ▲ Meet GMP requirements
- ▲ Adopt HMI and PLC auto control system, can optionally comply 21 CFR Part 11 requirements



## Technical Parameter

Item	Model	HF-300	HF-400	HF-600	HF-800	HF-1000	HF-1200	HF-1500	HF-2000	HF-3000	HF-4000	HF-6000	HF-8000	HF-10000
Effective volume (L)		300	400	600	800	1000	1200	1500	2000	3000	4000	6000	8000	10000
Working volume (L)		90-240	120-320	180-480	240-640	300-800	360-960	450-1200	600-1600	900-2400	1200-3200	1800-4800	2400-6400	3000-8000
Max. loading weight (kg)		150	200	300	400	500	600	750	1000	1500	1800	3000	4000	5000
Total power (kW)		2.2	2.2	3	4	4	5.5	5.5	7.5	11	11	15	18.5	18.5
Rotation speed (rpm)		3-20	3-20	3-20	3-16	3-16	3-12	3-12	3-12	2-8	2-8	2-8	2-6	2-6
Weight (kg)		500	550	800	850	1200	1650	1650	2000	3000	3300	6000	7500	7500
Dimension (mm)	L	2125	2225	2608	3075	3188	3479	3618	3869	4210	4470	5223	5535	6068
	W	1017	1040	1360	1382	1395	1500	1500	1627	1600	2200	2700	2850	2900
	H	2033	2040	2194	2462	2585	2761	3027	3155	3446	4360	4851	5067	5393

Note: The referenced bulk density is 0.625g/cm<sup>3</sup>. The loading coefficient is 0.3 - 0.8, Calculated based on the maximum volume during the production process. Our company can customize products according to user requirements.

# Single Column Lifting Bin Blender



## Application

The single-column lifting bin blender is widely used for mixing different components of powders with powders, powders with granules and granules with granules in the production procedure in the pharmaceutical industry. The machine is provided with such functions as automatic lifting, mixing, falling, etc. It can be equipped with various specifications of bins for mixing operation. It is suitable for mixing materials of different varieties and different batches in large and medium-size pharmaceutical enterprises according to process requirements. Multiple purposes can be realized in one machine.

## Features

- ▲ Single column, saving space, with compact structure, stable and reliable operation
- ▲ With interchangeable mixing bins of different volume for various capacity, improving the efficiency, avoiding cross contamination
- ▲ Can customize round mixing bin, with optional mixing chopper and plates
- ▲ The mixing uniformity is over 99%, the loading coefficient is 0.8 and the bin is easy to clean, no dead corner
- ▲ Meet GMP requirements
- ▲ Adopt HMI and PLC auto control system, can optionally comply 21 CFR Part 11 requirements



## Technical Parameter

Item	Model	HLT-100		HLT-200		HLT-300		HLT-400		HLT-600		HLT-800		HLT-1000		HLT-1200		HLT-1500		HLT-2000		
		Hydraulic	Electric	Hydraulic	Electric	Hydraulic	Electric	Hydraulic	Electric	Hydraulic	Electric	Hydraulic	Electric	Hydraulic	Electric	Hydraulic	Electric	Hydraulic	Electric	Hydraulic	Electric	
Bin volume (L)		100		200		300		400		600		800		1000		1200		1500		2000		
Loading coefficient		0.3-0.8		0.3-0.8		0.3-0.8		0.3-0.8		0.3-0.8		0.3-0.8		0.3-0.8		0.3-0.8		0.3-0.8		0.3-0.8		
Max. loading weight (kg)		50		100		150		600		300		400		500		600		750		1000		
Total power (kW)		5.2		6		6		6		7		7		7		8.5		8.5		8.5		
Rotation speed (rpm)		3-20		3-20		3-20		3-15		3-15		3-15		3-12		3-10		3-10		3-10		
Weight (kg)		1000		1200		1400		1600		1800		2000		2200		2400		2600		2800		
Dimension (mm) L*W*H	Hydraulic	2550*740*2525	2830*740*2625	2870*740*2725	3000*740*2775	3330*740*2825	2875*740*2875	3430*740*2925	3100*900*3100		3740*900*3200		3910*900*3200									
	Electric	2550*740*2850	2830*740*2850	2900*740*2900	2900*740*2900	3330*740*3000	3380*740*3050	3430*820*3050														

Note: The referenced bulk density is 0.625g/cm<sup>3</sup>. The loading coefficient is 0.3 - 0.8, Calculated based on the maximum volume during the production process. Our company can customize products according to user requirements.

# Lab Bin Blender

## Application

It is mainly used for R&D mixing different components of dry powders with dry powders, granules with granules, or powders with granules. It is an ideal machine for exploring the best process parameters in material mixing, and an advanced mechanically and electrically integrated lab machine

## Features

- ▲ R&D scale
- ▲ With reasonable design, compact structure, space saving
- ▲ With movable wheels with brake
- ▲ With interchangeable mixing bins for various capacity
- ▲ Adopt HMI and PLC auto control system, can optionally comply 21 CFR Part 11 requirements



## Technical Parameter

Item	Model	HLS-5	HLS-10	HLS-15	HLS-20	HLS-30	HLS-50	HLS-100	HLS-150
Effective volume (L)		5	10	15	20	30	50	100	150
Working volume (L)		1.5-4	3-8	4.5-12	6-16	9-24	15-40	30-80	45-120
Max. loading weight (kg)		2.5	5	7.5	10	15	25	50	75
Total power (kW)		0.37	0.37	0.37	0.37	0.55	0.55	0.75	1.1
Rotation speed (rpm)		3-30	3-30	3-30	3-30	3-25	3-25	3-20	3-20
Weight (kg)		150	160	170	180	190	200	250	280
Dimension (mm) L*W*H		870*600*1200	1030*600*1200	1040*600*1200	1050*600*1200	1100*600*1200	1150*600*1200	1400*800*1280	1650*800*1360

Note: The referenced bulk density is 0.625g/cm<sup>3</sup>. The loading coefficient is 0.3 - 0.8, Calculated based on the maximum volume during the production process. Our company can customize products according to user requirements.

# High-efficiency Coating Machine



YouTube QR Code

## Application

The new type auto coating machine is designed for coating process solutions for all kinds of tablets, pills, granules, which can promote the coating production efficiency and guarantee material stability. Reliable process, interchangeable pan design, CIP design and good appearance conform to the requirements of GMP. Varieties of functions make the batch production time shorten, Satisfying different process requirements. It is the best choice for film coating, sugar coating.

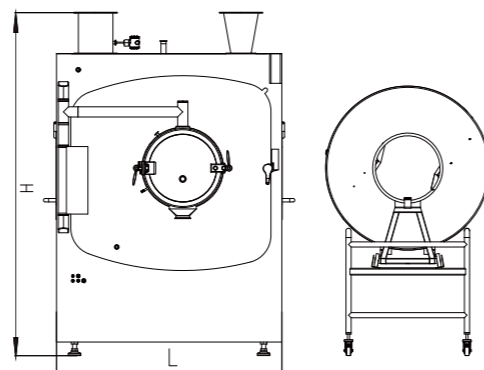
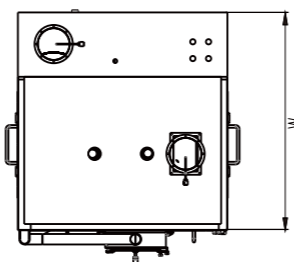
## Features

- ▲ Overall open design on the front side
- ▲ Easy cleaning, no dead corner
- ▲ Wide install area and maintenance space and pans can be replaceable
- ▲ Unique airbag seal structure, fully enclosed chamber
- ▲ It adopts HMI and PLC automatic control system, can optionally comply 21 CFR Part 11 requirements



### Tipping lifting feeder

- ▲ Achieving smoothly loading tablet into the coating pan
- ▲ Prevent fragments and bracts because of the height difference colliding
- ▲ Auto lifting and tipping, the tablets can slide into the coating pan evenly and slowly



## Technical Parameter

Item	Model	BGB-75F	BGB-150F	BGB-250F	BGB-350F	BGB-500F	BGB-600F
Production capacity (kg/batch)		20-40-75	40-75-150	75-150-250	150-250-350	500	600
Total power (kW)		7	9.2	12.7	18	29.5	29.5
Rotation speed (rpm)		2-24	2-15	2-15	2-15	2-10	2-10
Hot air temperature adjustment range (°C)		Room temperature ~ 90°C					
Steam 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
Steam consumption (kg/h)		89	89	154	208	290	290
Compressed air pressure (MPa)		0.6-0.8	0.6-0.8	0.6-0.8	0.6-0.8	0.6-0.8	0.6-0.8
Compressed air consumption (m3/min)		1.5	1.6	2.1	2.1	2.6	2.6
Main machine weight (kg)		850	1600	2200	2800	3200	3200
Auxiliary machine weight (kg)		1950	2100	2500	3000	3570	3570
Dimension (mm) L*W*H		1364*1308*2180	1655*1688*2521	1915*1914*2570	1998*2079*2656	1998*2661*2353	2078*2816*2695

Note: The referenced bulk density is 0.8g/cm<sup>3</sup>. The loading coefficient is 0.5 - 1.0, calculated based on the maximum volume during the production process. Our company can customize products according to user requirements.

# High-efficiency Coating Machine



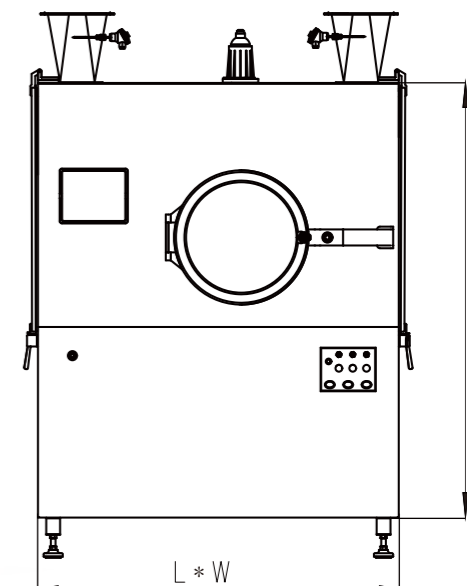
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## Application

The BGB-D coating machine is mainly used in medicine and food industries. Meeting GMP requirements, it is a kind of mechanically and electrically integrated coating equipment with high efficiency, energy conservation, good safety and good cleanliness for organic film coating, water soluble coating, dripping pill coating, sugar coating, chocolate and candy coating.

## Features

- ▲ The streamlined diversion plate improve the rate of finished products, reducing broken edges. The narrow upper surface of the diversion plate design improve the adhesion of excipient, saving the excipient and improving medicine quality.
- ▲ The constant pressure variable peristaltic pump is used to replace the return flow. The rotation radius of the pan changes with the change of pressure, the output solution and spray volume are automatically balanced, the spray system is optimized, the blocking of the spray gun is avoided, the excipient is saved. Easy to clean without any dead corners.
- ▲ It adopts the new type spray gun with even atomizing, large spraying area, adjustable direction. The nozzle is not affected by the loading volume, the anti-blocked device can ensure continuous coating, shorten coating time and save coating excipient.
- ▲ Easy and fast for charging and discharging
- ▲ Both film coating and sugar coating are available
- ▲ Ex-proof system / dehumidifier system / CIP system are available
- ▲ It adopts HMI and PLC automatic control system, can optionally comply 21 CFR Part 11 requirements.



## Technical Parameter

Item	Model	BGB-75D	BGB-150D	BGB-250D	BGB-350D	BGB-600D
Production capacity (kg/batch)		75	150	250	350	600
Motor power (kW)		1.5	2.2	3	4	5.5
Rotation speed (rpm)		2-17	2-15	2-15	2-15	2-10
Air inlet fan power (kW)		1.5	1.5	2.2	3	5.5
Air exhaust fan power (kW)		4	5.5	7.5	11	18.5
Steam consumption (kg/h)		89	95	169	225	252
Air consumption (m3/min)		1.45	1.45	2.03	2.03	4.25
Main machine weight (kg)		550	900	1250	1650	2000
Dimension (mm) L*W*H		1200*980*1853	1570*1250*2351	1800*1434*2458	2050*1670*2570	2050*2064*2680

Note: The referenced bulk density is 0.8g/cm<sup>3</sup>. The loading coefficient is 0.5 - 1.0, calculated based on the maximum volume during the production process. Our company can customize products according to user requirements.

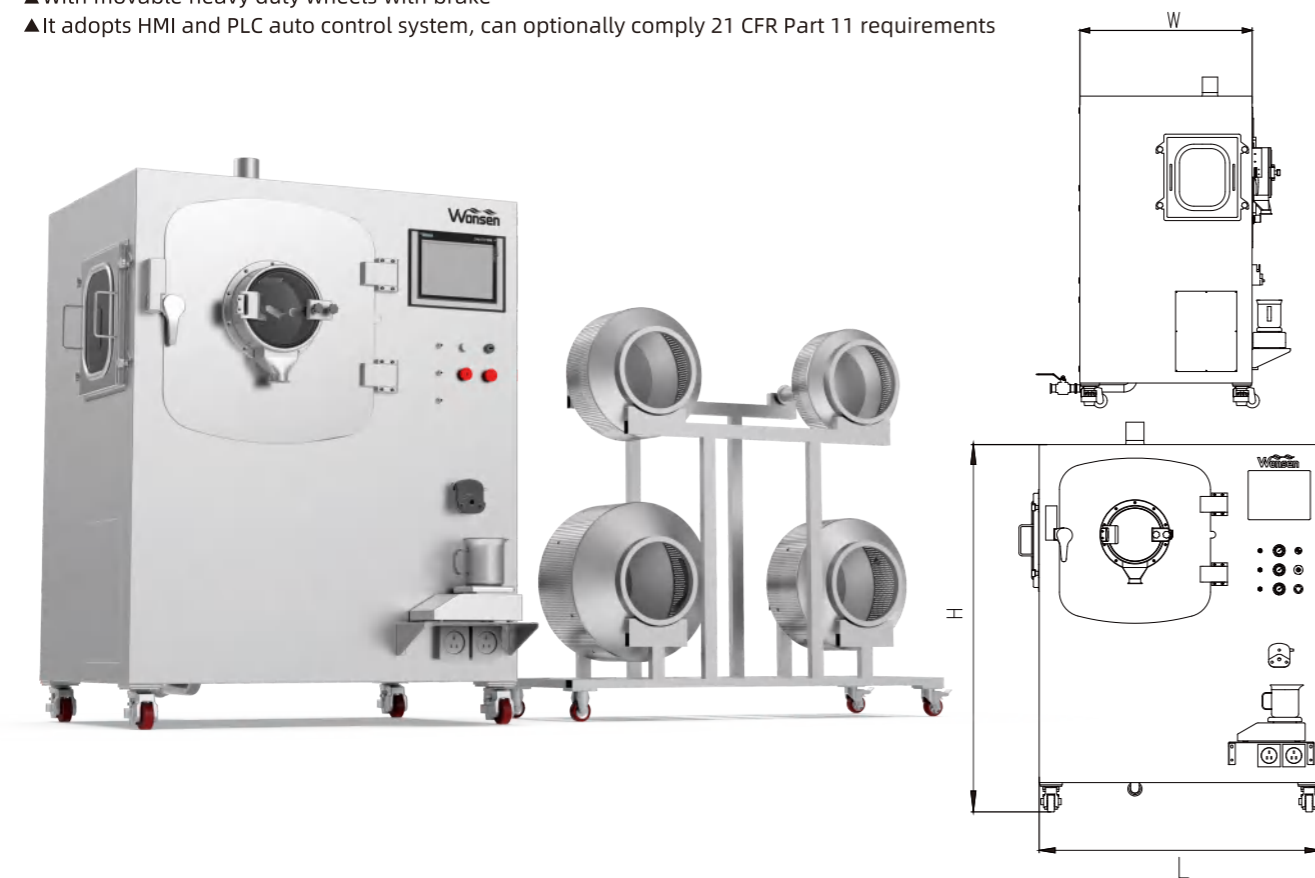
# Lab Coating Machine

## Application

The BGB-S coating machine is mainly used in medicine and food industries. Meeting GMP requirements, it is a kind of mechanically and electrically integrated coating equipment with high efficiency, energy conservation, good safety and good cleanliness for organic film coating, water soluble coating, dripping pill coating, sugar coating, chocolate and candy coating.

## Features

- ▲ Suitable for R&D scale
- ▲ Interchangeable coating pans can be replaced according to the different batch size
- ▲ Easy operation of replacing the interchangeable coating pans
- ▲ With compact and integrated structure, air intaking at the clean area, saving space
- ▲ With movable heavy duty wheels with brake
- ▲ It adopts HMI and PLC auto control system, can optionally comply 21 CFR Part 11 requirements



## Technical Parameter

Item	Model	BGB-5S	BGB-10S	BGB-20S	BGB-40S
Production capacity (kg/batch)		1-3-5	3-5-10	5-10-20	20-40
Total power (kW)		6.49	12.92	13.62	19.55
Rotation speed (rpm)		2-30	2-30	2-26	2-26
Hot air temperature adjustment range (°C)		Room temperature ~ 85°C			
Compressed air pressure (MPa)		0.6-0.8	0.6-0.8	0.6-0.8	0.6-0.8
Compressed air consumption (m3/min)		0.65	0.65	0.65	0.65
Main machine weight (kg)		650	750	850	1200
Auxiliary machine weight (kg)		200	200	200	200
Dimension (mm) L*W*H		1250*900*1630	1500*900*1880	1088*1070*2082	1450*1232*2350

Note: The referenced bulk density is 0.8g/cm<sup>3</sup>. The loading coefficient is 0.5 - 1.0, calculated based on the maximum volume during the production process. Our company can customize products according to user requirements.

# Containment Coating Machine

## Application

The containment coating machine is mainly suitable for tablet coating of API materials. The isolation system ensures the safety of operators, materials and environment, and realizes multiple coating process.

## Features

- ▲ Containment coating process, complying OEB4 and OEB5
- ▲ Lighting: illuminance ≥ 300lx
- ▲ Reserving detection port of dust particle, floating bacteria and sedimentation bacteria
- ▲ Reserving port for sterilization
- ▲ WIP misting system
- ▲ Push-push filter for getting rid of dust
- ▲ Interchangeable coating pans can be replaced according to the different batch size
- ▲ It adopts HMI and PLC automatic control system, can optionally comply 21 CFR Part 11 requirements



## Technical Parameter

Item	Model	BGB-5M	BGB-10M	BGB-20M	BGB-40M
Production capacity (kg/batch)		1-3-5	3-5-10	5-10-20	20-40
Total power (kW)		6.49	12.92	13.62	19.55
Rotation speed (rpm)		2-30	2-30	2-26	2-26
Hot air temperature adjustment range (°C)		Room temperature ~ 85°C			
Steam consumption (kg/h)		67	90	90	90
Compressed air consumption (m3/min)		0.45	0.65	0.65	0.65
Weight (kg)		850	950	1050	1400
Dimension (mm) L*W*H		1250*900*1630	1500*900*1880	1088*1070*2082	1450*1232*2350

Note: The referenced bulk density is 0.8g/cm<sup>3</sup>. The loading coefficient is 0.5 - 1.0, calculated based on the maximum volume during the production process. Our company can customize products according to user requirements.

# Fixed Lifting Machine



YouTube QR Code

## Application

The machine is mainly used for conveying and loading solid materials in the pharmaceutical industry. It can work with the mixer, tablet pressing, capsule filling, packing machines, etc. It is also widely used in such industries as medicine, chemical industry, food, etc.

## Features

- ▲ With fixed and positioning design, safe and stable performance
- ▲ Special design to loading materials for tablet pressing, capsule filling and packing machines
- ▲ Ease for lifting IBC bins to loading in a closed system
- ▲ Anti-falling device
- ▲ Labor saving
- ▲ It can turn 180°
- ▲ Hydraulic and electric lifting are alternative
- ▲ Electric lifting model can adopt HMI and PLC control system, can optionally comply 21 CFR Part 11 requirements



## Technical Parameter

Item	Model	YTG-200	YTG-300	YTG-400	YTG-500	YTG-600	YTG-800	YTG-1000	YTG-1200	YTG-1500	YTG-2000	YTG-2500
Lifting type		Hydraulic Electric	Hydraulic Electric	Hydraulic Electric	Hydraulic Electric	Hydraulic Electric	Hydraulic Electric	Hydraulic Electric	Hydraulic Electric	Hydraulic Electric	Hydraulic Electric	Hydraulic Electric
Net load (kg)		200	300	400	500	600	800	1000	1200	1500	2000	2500
Power (kW)		3 3	3 3	3 3	3 3	3 3	3 3	3 3	3 3	3 3	5.5 4	5.5 4
Dimension (mm) L*W*H		Designed according to user requirements										

Note: The above motor power is determined according to the actual situation (lifting height and load).

# Moveable Lifting Machine



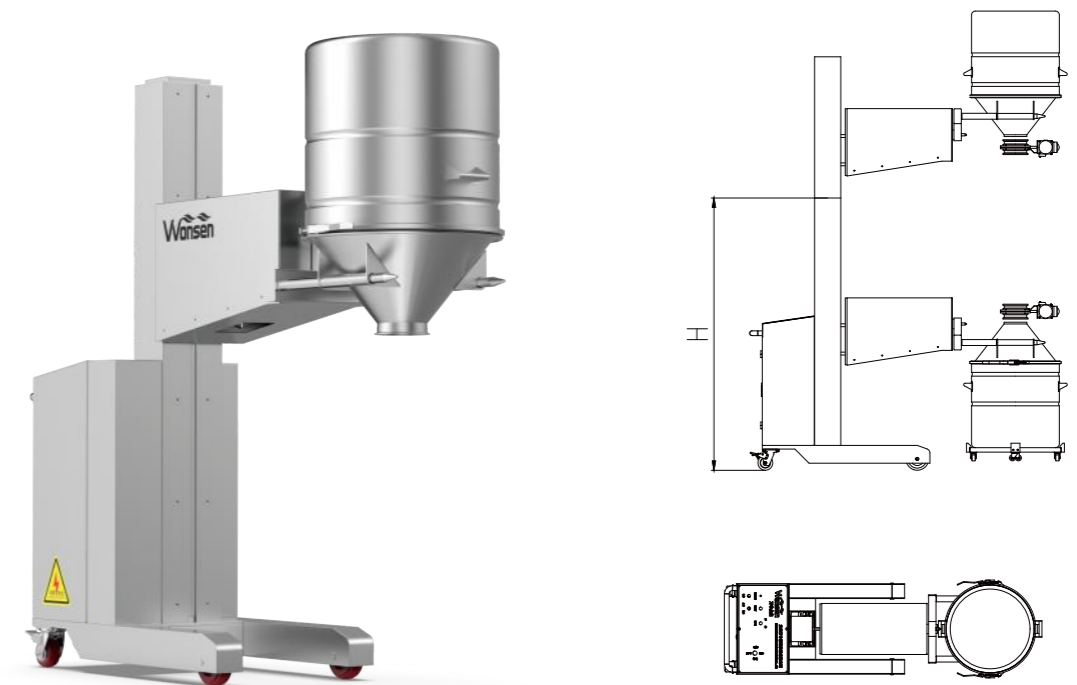
YouTube QR Code

## Application

The machine is mainly used for conveying and loading solid materials in the pharmaceutical industry. It can work with the mixer, tablet pressing, coating machine, capsule filling and packing machines, etc. It is also widely used in medicine, chemical, food industries and so on.

## Features

- ▲ With movable design
- ▲ Special design to loading materials for coating and packing machines
- ▲ Ease for lifting IBC drums to loading in a closed system
- ▲ Anti-falling device
- ▲ Labor saving
- ▲ It can rotate IBC drums 180° to discharge
- ▲ Hydraulic and electric lifting are alternative



## Technical Parameter

Item	Model	YTY-100	YTY-150
Lifting type		Hydraulic	Hydraulic
Net load (kg)		100	150
Power (kW)		1.5	
Dimension (mm) L*W*H		Designed according to user requirements	

Note: The above motor power is determined according to the actual situation (lifting height and load).

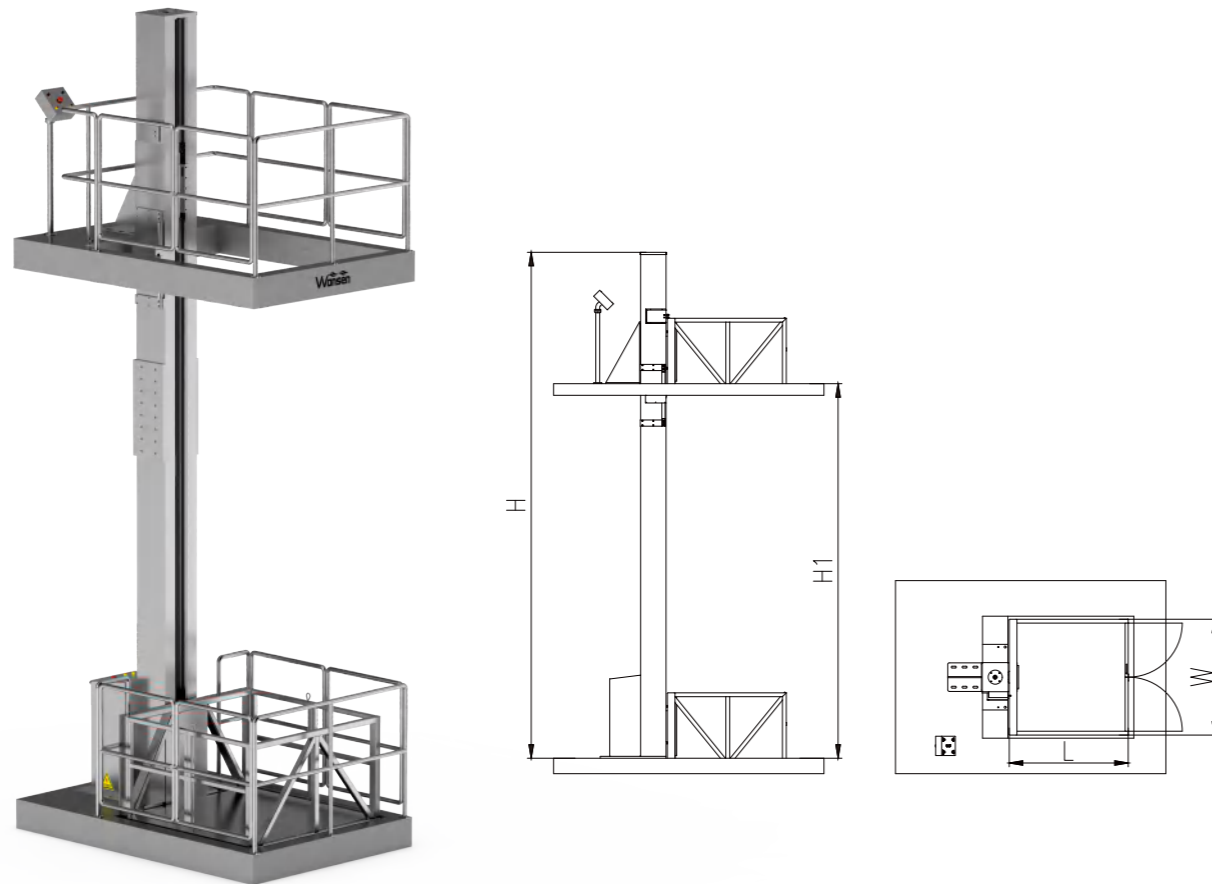
# Lifting Machine Among Floors

## Application

The machine is mainly used for transferring among floors of the solid materials (bags or bins) in the pharmaceutical industry. The machine effectively reduces cross contamination of dust, lower labor intensity and fully meets GMP requirements for medicine production. It is an ideal material conveying machine used in pharmaceutical, chemical, and food industries.

## Features

- ▲ Special design for material transfer among different floors
- ▲ Safe and stable performance
- ▲ Labor saving
- ▲ Anti-falling system and safety lock
- ▲ Provided with overload self-protection function and alarm indication function



## Technical Parameter

Item	Model	CT-200	CT-300	CT-400	CT-500	CT-600	CT-800	CT-1000	CT-1200	CT-1500
Net load (kg)		200	300	400	500	600	800	1000	1200	1500
Hydraulic station volume (L)		31- 54								
Hydraulic station power (kW)		3								
Dimension (mm) L*W*H		Designed according to user requirements								

Note: Our company can customize products according to user requirements.

# Multifunctional Bin Cleaning Machine



YouTube QR Code

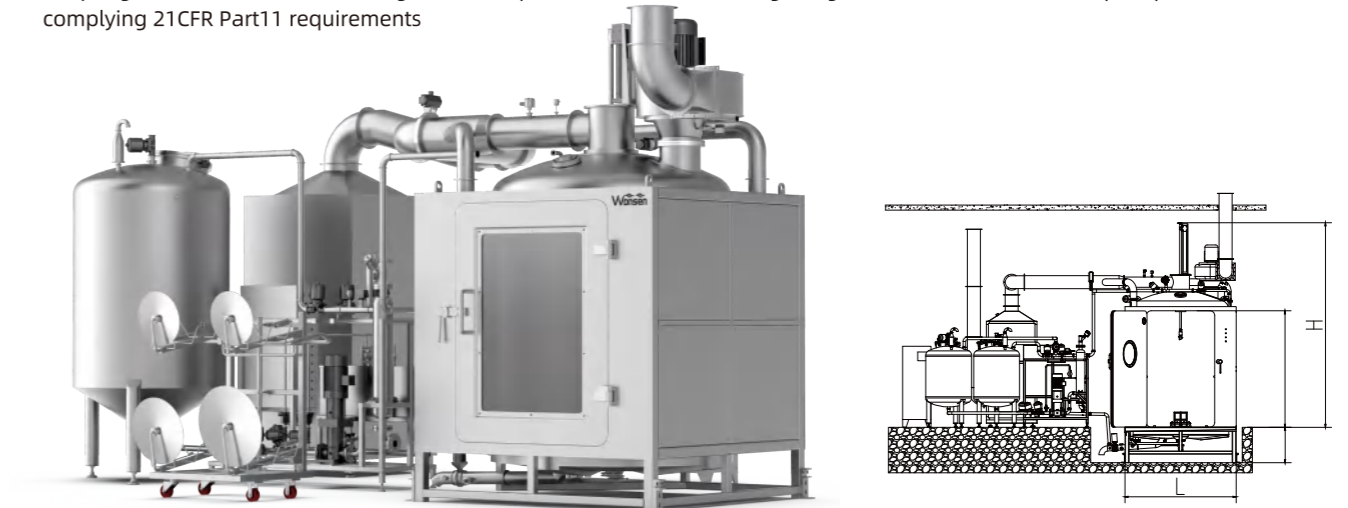
## Application

The ZLXHD series bin cleaning machine is mainly used for cleaning stainless steel drums, IBC mixing and transferring bins in pharmaceutical, chemical, food and so on industries.

The ZLXHD series bin cleaner can effectively clean foreign matters remaining on the inner and outer surfaces of the bin to avoid cross contamination of various ingredients during the production. It is an indispensable machine in pharmaceutical enterprises. It is also one of the necessary equipment for pharmaceutical enterprises to meet the requirements of GMP in the production process of solid pharmaceutical preparations.

## Features

- ▲ Providing uniform cleaning standard for the cleaning bins and easily making the traceability and certification of the cleaning process
- ▲ Improving the production efficiency
- ▲ Reducing labor intensity of workers
- ▲ Integrating cleaning, drying and cooling functions
- ▲ Adopting HMI and PLC control during the whole process, which is with high degree of automation and simple operation, complying 21CFR Part11 requirements



## Technical Parameter

Item	Model	ZLXHD-600	ZLXHD-800	ZLXHD-1000	ZLXHD-1200	ZLXHD-1500	ZLXHD-2000
Total power (kW)		11.25	11.25	11.25	11.25	11.25	11.25
Flow rate (t/h)		10	10	10	10	10	10
Working pressure (MPa)		0.3-0.6	0.3-0.6	0.3-0.6	0.3-0.6	0.3-0.6	0.3-0.6
Steam pressure (MPa)		0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5
Steam consumption (kg/h)		800	800	800	800	800	800
Compressed air pressure (MPa)		0.6-0.8	0.6-0.8	0.6-0.8	0.6-0.8	0.6-0.8	0.6-0.8
Compressed air consumption (m3/min)		2	2	2	2	2	2
Main machine weight (kg)		2284	2341	2685	2910	3100	3500
Auxiliary machine weight (kg)		900	900	900	900	900	900
Dimension (mm) L*W*H		2000*2000*2820	2000*2000*3000	2200*2200*3100	2200*2200*3240	2200*2200*3390	2200*2200*3730

Note: Our company can customize products according to user requirements.

# Double Chamber Bin Cleaning Machine

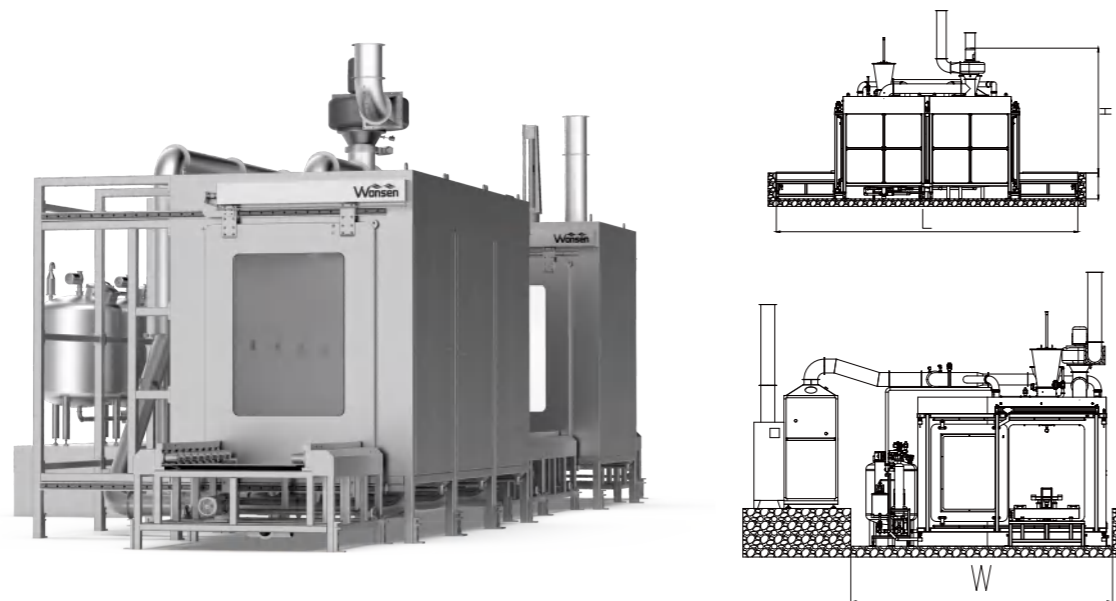


## Application

The ZLXHS series double chamber bin cleaning machine is mainly used for cleaning stainless steel drums, IBC transferring and mixing bins in pharmaceutical, chemical, food and so on industries. The ZLXHS series double chamber bin cleaning machine can effectively clean foreign matters remaining on the inner and outer surfaces of the bin to avoid cross contamination of various ingredients during the production. It is an indispensable machine in pharmaceutical enterprises. It is also one of the necessary equipment for pharmaceutical enterprises to meet the requirements of GMP in the production process of solid pharmaceutical preparations.

## Features

- ▲ With two chambers, one for cleaning, another for drying and cooling, which is more efficient
- ▲ Providing uniform cleaning standard for the cleaning bins and easily making the traceability and certification of the cleaning process
- ▲ Improving the production efficiency
- ▲ Reducing labor intensity of workers
- ▲ Integrating cleaning, drying and cooling functions
- ▲ Adopting HMI and PLC control during the whole process, which is with high degree of automation and simple operation, complying 21CFR Part11 requirements



## Technical Parameter

Item	Model	ZLXHS-600	ZLXHS-800	ZLXHS-1000	ZLXHS-1200	ZLXHS-1500	ZLXHS-2000
Total power (kW)		10.7	10.7	10.7	10.7	10.7	10.7
Flow rate (t/h)		10	10	10	10	10	10
Working pressure (MPa)		0.3-0.6	0.3-0.6	0.3-0.6	0.3-0.6	0.3-0.6	0.3-0.6
Steam pressure (MPa)		0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5	0.3-0.5
Steam consumption (kg/h)		800	800	800	800	800	800
Compressed air pressure (MPa)		0.6-0.8	0.6-0.8	0.6-0.8	0.6-0.8	0.6-0.8	0.6-0.8
Compressed air consumption (m3/min)		3	3	3	3	3	3
Main machine weight (kg)		5700	5700	6100	6100	6300	6300
Auxiliary machine weight (kg)		900	900	900	900	900	900
Dimension (mm) L*W*H		7000*4100*2820	7000*4100*3000	8100*4100*3000	8100*4100*3240	8100*4600*3390	8100*4600*3730

Note: Our company can customize products according to user requirements.

# Moveable Cleaning Machine

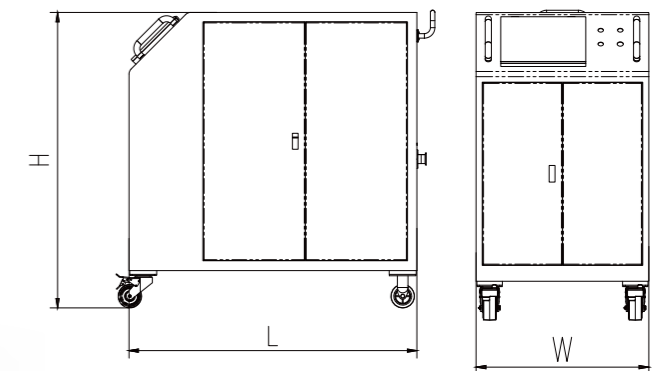


## Application

With compact structure, convenient operation, good sealing performance and high adaptability, the moveable cleaning machine produced by our company is used for cleaning industrial equipment and other parts that require cleaning in medicine, food and fine chemical industries. It is a processing machine designed and manufactured in accordance with GMP requirements.

## Features

- ▲ Equipped with three water pipe inlets for users to select. The water outlets can be connected to tees or crosses to clean several machines simultaneously, which is convenient and easy to operate.
- ▲ Equipped with a cleaning nozzle that can turn for 360° and a high-pressure water gun. The cleaning procedure can be completed through the operation by just one person.
- ▲ With movable wheels with brake
- ▲ Concise structure and easy installation and disassembly
- ▲ The stainless steel cover is optional
- ▲ Button panel and HMI&PLC control is alternative



## Technical Parameter

Item	Model	QXY-5	QXY-10	QXY-20
Total power (kW)		1.5	3	7.5
Flow rate (t/h)		5	10	20
Working pressure (MPa)		0.3-0.6	0.3-0.6	0.3-0.6
Compressed air pressure (MPa)		0.6-0.8	0.6-0.8	0.6-0.8
Compressed air consumption (m3/min)		2	2	2
Weight (kg)		200	220	220
Dimension (mm) L*W*H		1300*700*1250	1300*700*1250	1300*700*1250

Note: Our company can customize products according to user requirements.

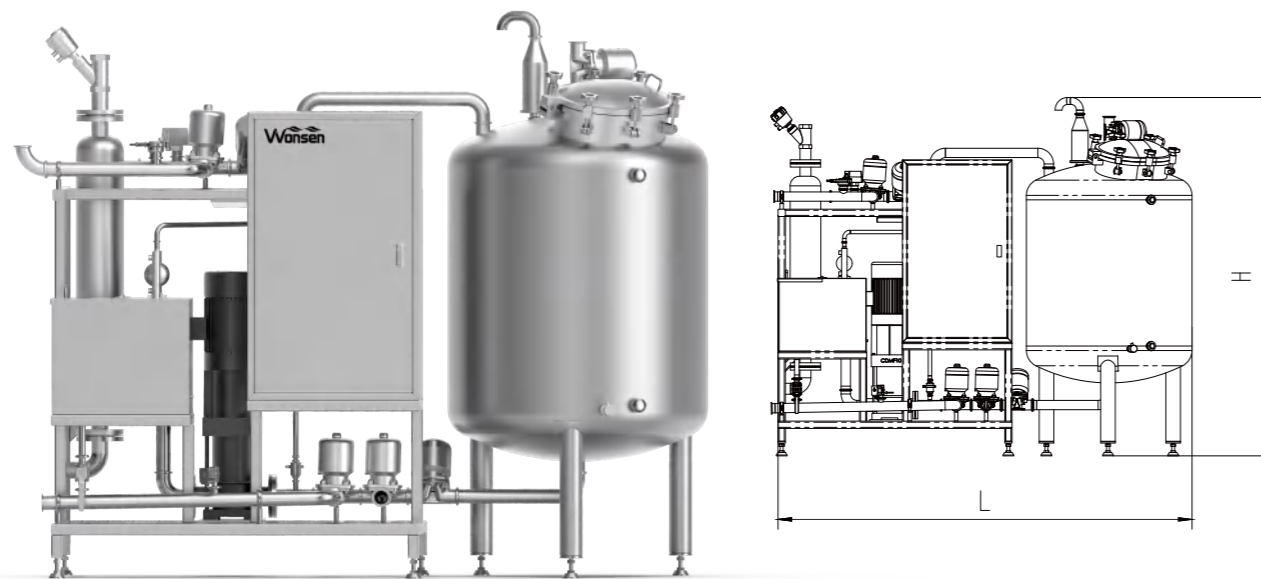
# Auto CIP Machine

## Application

The machine is mainly used for online cleaning for equipment in the production process of solid preparations, used together with equipment such as fluid bed machine, coating machine and rapid mixer granulator. It is also suitable for the cleaning of industrial equipment such as pharmaceutical, food, fine chemicals, etc. It is a cleaning equipment designed and manufactured in accordance with GMP requirements.

## Features

- ▲ Optionally equipped with SWHE heat exchanger, if users have no hot water source
- ▲ Optionally equipped with water storage tanks, if users have no enough water flow or pressure
- ▲ The outlet can be connected to several different equipment for online cleaning
- ▲ Cleaning procedures, processes, etc. can be set on the touch screen, with high degree of automation program, and the operation is simple, can optionally complying 21CFR Part 11 requirements



## Technical Parameter

Item	Model	ZQX-5	ZQX-10	ZQX-20
Total power (kW)		1.5	3	7.5
Flow rate (t/h)		5	10	20
Working pressure (MPa)		0.3-0.6	0.3-0.6	0.3-0.6
Steam pressure (MPa)		0.3-0.5	0.3-0.5	0.3-0.5
Steam consumption (kg/h)		400	800	800
Compressed air pressure (MPa)		0.6-0.8	0.6-0.8	0.6-0.8
Compressed air consumption (m <sup>3</sup> /min)		2	2	2
Weight (kg)		450	500	500
Dimension (mm) L*W*H		2150*900*1850	2265*950*1960	2265*950*1960

Note: Our company can customize products according to user requirements.

# Vertical Bin Cleaning Machine

## Application

This machine is mainly used for transferring and mixing bins cleaning in the production process of solid preparations. The lifting arm extends the cleaning ball into the bin for cleaning. It can be adapted to bins of different specifications and is an ideal equipment for bin cleaning.

## Features

- ▲ Manual lifting and automatic lifting is alternative
- ▲ Suitable for cleaning IBC bins of different specification sizes
- ▲ HMI and PLC control, cleaning easily, can optionally complying 21CFR Part 11 requirements



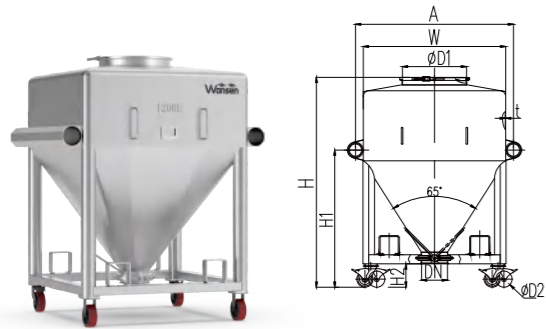
## Technical Parameter

Item	Model	QXD-5	QXD-10
Total power (kW)		1.5	3
Flow rate (t/h)		5	10
Working pressure (MPa)		0.3-0.6	0.3-0.6
Compressed air pressure (MPa)		0.6-0.8	0.6-0.8
Compressed air consumption (m <sup>3</sup> /min)		2	2
Weight (kg)		130	130
Dimension (mm) L*W*H		1700*1200*2600	1700*1200*2600

Note: Our company can customize products according to user requirements.

# IBC Bins

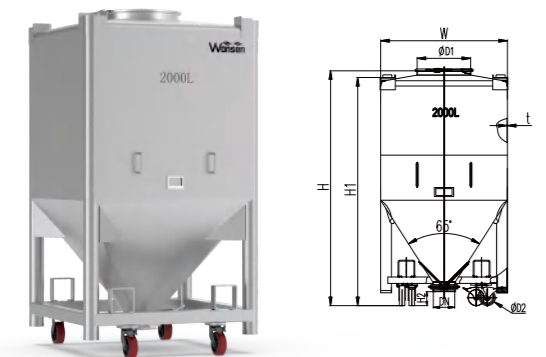
## SINGLE COLUMN LIFTING MIXING BIN



### Technical Parameter

Model	Volume (L)	W	H	H1	H2	A	t	Φ1	Φ2	DN	Weight (kg)
HZTD-100	100	550	920	635	180	640	2	300	100	150	155
HZTD-200	200	700	960	700	150	790	2	400	100	200	185
HZTD-300	300	720	1150	760	180	820	2.5	400	125	200	200
HZTD-400	400	800	1190	800	147	910	2.5	400	125	200	220
HZTD-600	600	1000	1300	960	161	1120	2.5	500	125	200	245
HZTD-800	800	1000	1500	960	150	1120	2.5	500	125	200	250
HZTD-1000	1000	1100	1630	1060	181	1220	3	500	125	200	265
HZTD-1200	1200	1200	1740	1160	200	1320	3	500	125	200	280

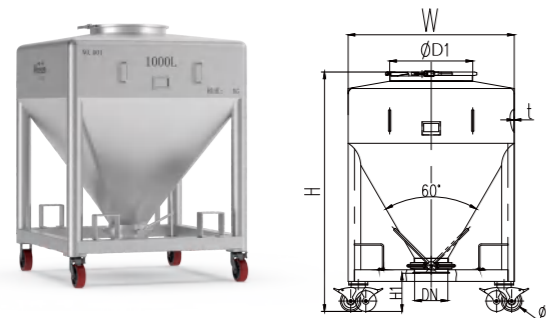
## AUTOMATIC LIFTING MIXING BIN



### Technical Parameter

Model	Volume (L)	W	H	H1	H2	t	Φ1	Φ2	DN	Weight (kg)
HZT-400	400	800	1270	1210	180	2.5	400	125	200	150
HZT-600	600	1000	1280	1210	130	2.5	400	125	200	185
HZT-800	800	1000	1480	1420	130	2.5	400	125	200	200
HZT-1000	1000	1180	1490	1430	130	3	500	150	200	245
HZT-1200	1200	1180	1640	1580	130	3	500	150	200	260
HZT-1500	1500	1180	1850	1780	130	3	500	150	200	280
HZT-2000	2000	1180	2210	2130	130	3	500	150	200	310

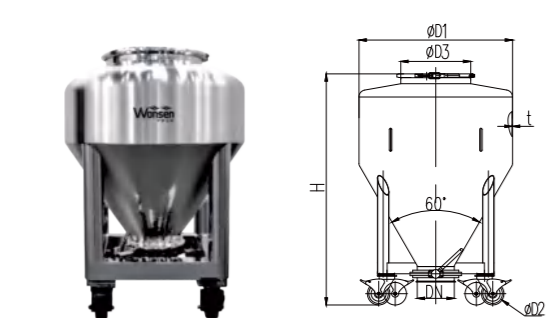
## SQUARE CONE IBC BIN



### Technical Parameter

Model	Volume (L)	W	H	H1	t	Φ1	Φ2	DN	Weight (kg)
ZT-200	200	600	1140	185	2	400	125	150	145
ZT-300	300	800	1180	210	2.5	400	125	200	160
ZT-400	400	800	1320	220	2.5	400	125	200	180
ZT-600	600	1000	1450	230	2.5	500	125	200	200
ZT-800	800	1000	1650	230	2.5	500	125	200	220
ZT-1000	1000	1200	1590	200	2.5	500	150	250	262
ZT-1200	1200	1200	1720	200	2.5	500	150	250	280
ZT-1500	1500	1200	1950	200	2.5	500	150	250	315
ZT-1800	1800	1200	2160	200	3	500	150	250	335
ZT-2000	2000	1200	2290	200	3	500	150	250	370

## ROUND CONE IBC BIN



### Technical Parameter

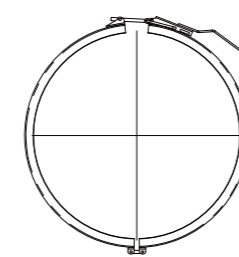
Model	Volume (L)	H	t	Φ1	Φ2	Φ3	DN	Weight (kg)
ZTY-200	200	1050	2	750	125	400	200	89
ZTY-400	400	1287	2.5	850	125	400	200	126
ZTY-600	600	1457	2.5	1000	125	500	200	178
ZTY-800	800	1530	2.5	1100	125	500	200	190
ZTY-1000	1000	1615	2.5	1250	150	500	250	262

# Accessories

## DRUM CLAMP



Clamp for drum



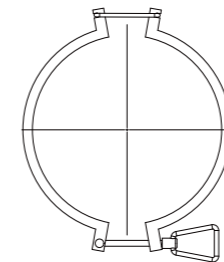
### Technical Parameter

Model	DN
KGT-500	500

## BUTTERFLY VALVE CLAMP



Clamp for butterfly valve



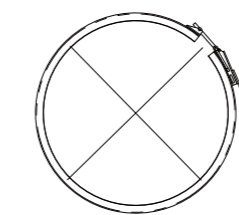
### Technical Parameter

Model	DN
KGF-150	150
KGF-200	200
KGF-250	250

## BIN CLAMP



Clamp for bin



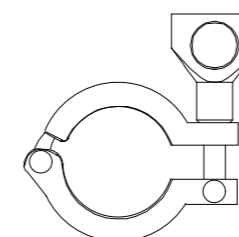
### Technical Parameter

Model	DN
KGD-400	400
KGD-500	500

## PIPE CLAMP



For pipeline connection



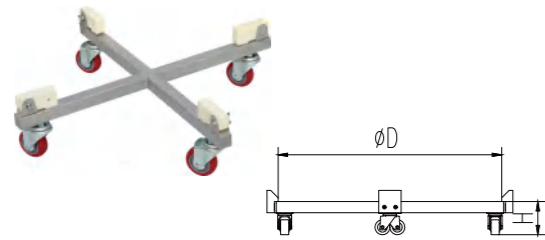
### Technical Parameter

Model	D
KGG-4	119
KGG-6	168
KGG-8	218
KGG-10	268
KGG-12	319

# Accessories

## CROSS CART

For drum transferring

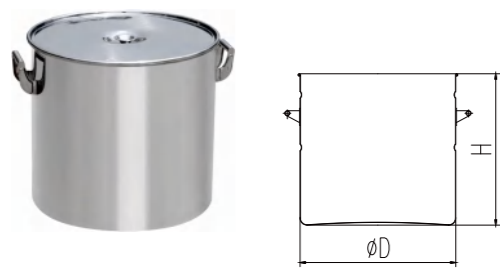


### Technical Parameter

Model	Main structural dimensions		
	ΦD	H	Φd
LTC-50	400	160	75
LTC-100	500	160	75
LTC-150	585	160	75
LTC-200	600	160	75

## STAINLESS STEEL IBC DRUM

For pharma lifter and material transferring

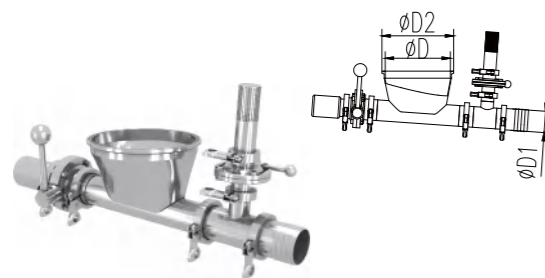


### Technical Parameter

Model	Main structural dimensions	
	ΦD	H
LT-50	400	400
LT-100	500	500
LT-150	585	600
LT-200	590	730

## VACUUM DISCHARGER

For bin/container vacuum discharging

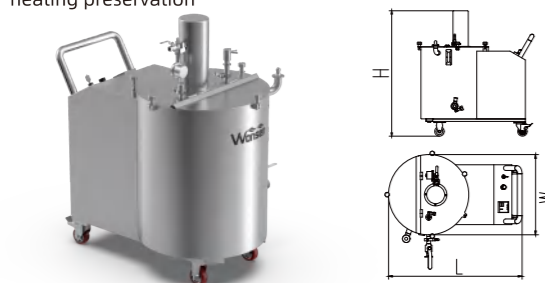


### Technical Parameter

Model	Main structural dimensions		
	ΦD	ΦD1	ΦD2
ZCQ-150-38	150	38	168
ZCQ-150-50	150	50	168
ZCQ-200-38	200	38	218
ZCQ-200-50	200	50	218
ZCQ-200-63	200	63	218
ZCQ-250-50	250	50	268
ZCQ-250-63	250	63	268

## SOLUTION MIXING TANK ( REACTOR )

Solution preparation & pulping & heating preservation

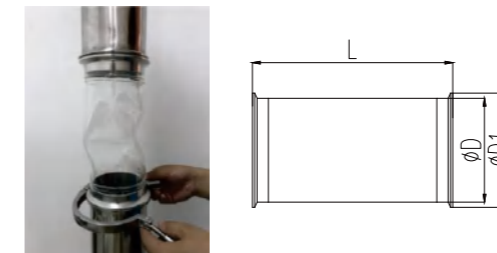


### Technical Parameter

Model	Main structural dimensions			Volume L
	L	W	H	
JBT-30	800	840	840	30
JBT-60	890	985	985	60
JBT-100	940	1070	1070	100
JBT-150	970	1175	1175	150
JBT-200	1060	1270	1270	200
JBT-250	1130	1270	1270	250

## SILICONE SOFT CONNECTING TUBE

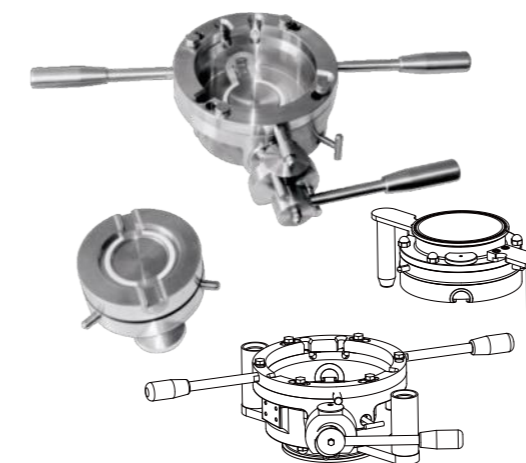
Connecting with bin to charge material



### Technical Parameter

Model	Main structural dimensions		
	ΦD	ΦD1	H
DJL-150	159	183	Customized
DJL-200	219	234	
DJL-250	254	268	

## αβ VALVE

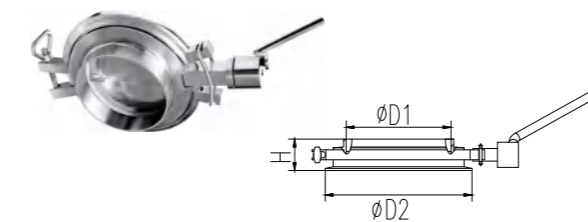


### Technical Parameter

Interface size	2.0", 2.5", 3.0", 4.0", 6.0", 8.0"	
Interface standard	Tri-clamp, PN6/PN10 Flange	
Material	Valve material	316L(Material contact parts) 304(Remaining parts)
	Sealing material	White fluorinated rubber(Standard), Meet FDA requirements Ethylene-Propylene-Diene Monomer, Silicone rubber, Perfluoro rubber(Optional)
Operating mode	Manual, Automatic	
Seal grade	OEB 4(OEL≤10μg/m³)	
Pressure rating	-0.1~+0.5Mpa	
Sterilization method	SIP	
Anti-explosion level	ATEX II2 GD T4	
Optional accessories	Active pressure plug, active protection plug, active cleaning unit, passive pressure cap, passive protective cover, leaned part	
Surface treatment	Ra < 0.4, Standard(Material contact parts)	
	Ra < 0.8(Remaining parts)	

## BUTTERFLY VALVE

Connecting with bin to discharge and control material

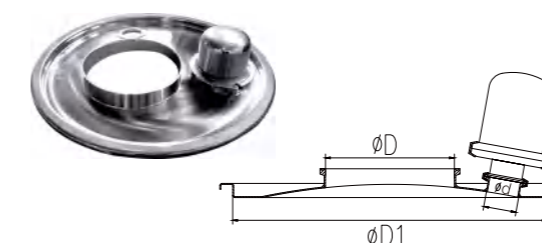


### Technical Parameter

Model	Main structural dimensions		
	ΦD1	ΦD2	H
DF-150	150	168	55
DF-200	200	218	55
DF-250	250	268	60

## SUB-FEEDING BIN COVER

Connecting with bin to sub-feed material



### Technical Parameter

Model	Main structural dimensions		
	ΦD	ΦD1	Φd
FLG-400-150	150	400	38
FLG-400-200	200	400	38
FLG-400-250	250	400	38
FLG-500-150	150	500	38
FLG-500-200	200	500	38
FLG-500-250	250	500	38