



Machines Catalogue

Granulation • Coating • Mixing • Drying •
Lifting & Transfer • Crushing & Screening

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Granulation





APPLICATION

The GHL series wet mixing granulator is widely used in solid dosage production for pharmaceutical industry. It integrates mixing and granulation functions, and is extensively applied in pharmaceutical, food and chemical sectors.

KEY FEATURES

- Adopts inverted cone integrated granulation design. Specially designed agitator and chopper ensure uniform granules. Smooth rounded corners and mirror-polished interior prevent material adhesion for easy cleaning.
- Mixing and granulation proceed in sealed chamber to reduce dust pollution and meet GMP standards. Simple and safe operation for one-step processing.
- PLC control with variable-frequency drives for motors. Manual and automatic modes available; process parameters can be automatically stored.
- Constructed of SUS304/316 stainless steel with excellent corrosion resistance.
- Supports high-level operation and can connect with fluidized granulator to form CCS closed granulation system.

TECHNICAL PARAMETERS

Model	GHL100	GHL150	GHL250	GHL300	GHL400	GHL500	GHL600	GHL800
Material cylinder volume (L)	100	150	250	300	400	500	600	800
Working volume (L)	30~80	60~120	100~200	120~240	160~320	200~400	240~480	320~640
Mixing motor (kw)	7.5	11	18.5	22	30	37	45	55
Stirring speed (rpm)	5~287	5~240	5~223	5~200	5~185	3~169	3~162	3~148
Granulation motor (kw)	3	4	4	5.5	5.5	7.5	11	11
Granulation knife speed (rpm)	300~2800 (all models)	300~2800 (all models)	300~2800 (all models)	300~2800 (all models)	300~2800 (all models)	300~2800 (all models)	300~2800 (all models)	300~2800 (all models)
Compressed air consumption (m3/min)	0.4	0.4	0.6	0.6	0.6	0.6	1	1
Total weight of equipment (kg)	1100	1600	2500	2700	3000	4100	5300	5700
Overall size L (mm)	2300	2465	2580	2680	2705	2880	2880	3080
Overall size L1 (mm)	1900	1900	2000	2100	2100	2300	2400	2600
Overall size W (mm)	1600	1600	1800	1800	2000	2150	2150	2200
Overall size W1 (mm)	900	900	1000	1000	1200	1350	1350	1400
Overall size H (mm)	2500	2550	2930	2930	2930	3050	3050	3250
Overall size H1 (mm)	1050	1050	1280	1280	1280	1400	1400	1600
Overall size H2 (mm)	1010	1010	1240	1240	1240	1370	1370	1570



APPLICATION

The FL series fluidized bed granulator & dryer is our self-developed new model integrating drying, granulation and mixing. As key equipment for solid dosage production, it dries granules from wet granulators. Fully automatic control, fully GMP compliant.

KEY FEATURES

- Fully sealed negative pressure system prevents leakage and dust pollution.
- Good material fluidity, easy operation and high granulation efficiency.
- Dead-corner free, stable performance and easy to clean, compliant with GMP standards.
- New air intake cabinet: compact layout, triple filters, precise temperature control and variable-frequency fan.
- New exhaust cabinet: small footprint, low power consumption, eco-friendly dust collection system.
- One main unit compatible with multiple hoppers.
- Fully automatic PLC control; optional advanced CIP cleaning system.

TECHNICAL PARAMETERS

Model	FL-15	FL-30	FL-60	FL-120	FL-200	FL-300	FL-500
Cylinder volume (L)	45	100	220	380	577	980	1530
Production capacity per batch (kg)	5-15	15-30	30-60	60-120	90-200	150-300	250-500
Fan power (kw)	7.5	11	18.5/22	22/30	30/37	37/45	75
Steam pressure (Mpa)	0.4-0.6 (all models)	0.4-0.6 (all models)	0.4-0.6 (all models)	0.4-0.6 (all models)	0.4-0.6 (all models)	0.4-0.6 (all models)	0.4-0.6 (all models)
Steam consumption (kg/h)	144	144	245	287	328	410	533
Compressed air pressure (Mpa)	0.6-0.8 (all models)	0.6-0.8 (all models)	0.6-0.8 (all models)	0.6-0.8 (all models)	0.6-0.8 (all models)	0.6-0.8 (all models)	0.6-0.8 (all models)
Compressed air consumption (m3/min)	0.4	0.6	0.9	1	1	1.5	1.8
Main machine weight (kg)	800	1000	1200	1400	2000	2500	3500
Overall H (mm)	3114	3234	4154	4708	4840	5365	6000
Overall H1 (mm)	1850	1850	1850	1850	1850	1850	1850
Overall ΦD (mm)	578	772	1022	1024	1378	1580	1868
Overall W (mm)	984	984	1340	1540	1540	1840	2240



APPLICATION

The ZL Straightening Granulator utilizes high-speed relative motion between rotor and screen. It crushes agglomerates into uniform granules through screen holes with low heat generation, high efficiency and superior quality.

KEY FEATURES

- Equipped with lifting mechanism for sealed connection with wet granulators.
- Modular design; adaptable for dry and wet granule sizing by replacing blades and screens.
- Optional sealed hopper minimizes dust leakage.
- Three types of sizing blades suit materials of different properties.
- Screen aperture down to $\phi 0.4\text{mm}$ with high open area and no dead corners.
- Produces fine granules with high material throughput, low heat generation and easy cleaning.
- High-precision screen aperture and adjustable gap between blade and screen ensure accurate particle size distribution.
- Smooth chamber with no dead corners ensures smooth material flow, low residue and high yield.

TECHNICAL PARAMETERS

Model	ZL-200	ZL-250	ZL-300
Production capacity (kg/h)	500-1500	1500-2500	1500-3000
Motor power (kw)	3	3	3
Maximum speed (rpm)	1440	1440	1440
Overall size (mm)	1600*700*1600	1600*700*1600	1600*700*1600
Whole machine weight (kg)	270 $\pm$ 5	300 $\pm$ 5	320 $\pm$ 5



APPLICATION

The new YK oscillating granulator is a patented redesigned model. It suits both dry and wet materials, effectively preventing material adhesion and ensuring uniform granules, and is suitable for heat-sensitive materials.

KEY FEATURES

- Modular screen holder is mounted inside the machine for quick disassembly and replacement.
- Screens are plug-in type for fast installation and fixation.
- Adjustable gap between rotor and screen with digital display.
- The rotor supports forward, reverse and reciprocating rotation to adapt to various materials.

TECHNICAL PARAMETERS

Model	YK-60	YK-160
Production capacity (kg/h)	5-30	150-300
Swing angle	360°	360°
Drum diameter (mm)	Φ60	Φ160
Motor power (kw)	0.37	3
Overall size (mm)	450*360*620	1260*750*1150
Weight (kg)	50	450



APPLICATION

The JZL series rotary extrusion granulator extrudes materials into granules via mechanical force, ideal for pharmaceutical, food, instant drink, chemical and solid beverage industries.

KEY FEATURES

It forms mixed materials into cylindrical granules, especially for highly sticky materials. Featuring high forming rate, neat granules and automatic discharging, it avoids particle damage caused by manual handling and suits production lines. Reasonable structure and elegant appearance; all material-contact parts are made of stainless steel.

TECHNICAL PARAMETERS

Model	JZL-250	JZL-300
Production capacity (kg/h)	80-200	100-300
Granulation diameter (mm)	1-3	1-3
Motor power (kw)	3	4
Overall size (mm)	700*540*1400	800*650*1400
Main machine weight (kg)	350	480



APPLICATION

The QZL series spherical pelletizer features a specially designed rotor to convert wet granules into uniform spherical pellets, ideal for capsules and traditional Chinese medicine pills. It is widely applied in pharmaceutical, food, cosmetic, dye, pigment and ceramic industries.

KEY FEATURES

Equipped with rotating centrifugal disc, air blower and pneumatic spray gun, this machine shapes wet granules into spherical pellets. Load wet granules onto the disc. Under combined effects of air flotation, centrifugal force and gravity, materials move in a cyclic pattern to form pellets with excellent particle sphericity.

TECHNICAL PARAMETERS

Model	QZL-230	QZL-400	QZL-700	QZL-1000
Production capacity (kg/h)	10-100	20-150	30-200	40-300
Granulation diameter (mm)	Φ0.5-Φ5	Φ0.5-Φ5	Φ0.5-Φ5	Φ0.5-Φ5
Turntable diameter (mm)	230	400	700	1000
Turntable speed (mm)	200-600	200-600	200-600	200-600
Total power (kw)	0.75	2.2	3.7	5.5
Overall size (mm)	800*550*1150	1100×700×1320	1500×1200×1500	1800×1350×1650
Whole machine weight (kg)	185	232	350	450



APPLICATION

The XGL dry granulator directly converts powder into granules without water mixing, intermediate granulation or drying. It is available in vertical and horizontal feeding types. The horizontal feeding model features advanced technology, stable performance and high granulation rate.

KEY FEATURES

- Direct granulation from dry powder without the need for any binder.
- Mechanical compression forming, no change to material chemical properties or active ingredients.
- Vertically arranged press rollers eliminate gravity impact and ensure uniform feeding.
- Adjustable roller gaps for consistent tablet density and uniform granules.
- Low energy consumption and small footprint.
- High granulation rate and production efficiency.
- Hydraulic system enables adjustable granule hardness and density.
- Compact structure, easy disassembly and cleaning.
- Vacuum system for denser compacts and higher granulation yield.
- Three types of roller surfaces (crossed line pattern, straight-grooved, smooth) for diverse materials.
- Built-in memory inside the controller stores massive production data.
- PLC control with user-friendly HMI, easy to operate and learn.

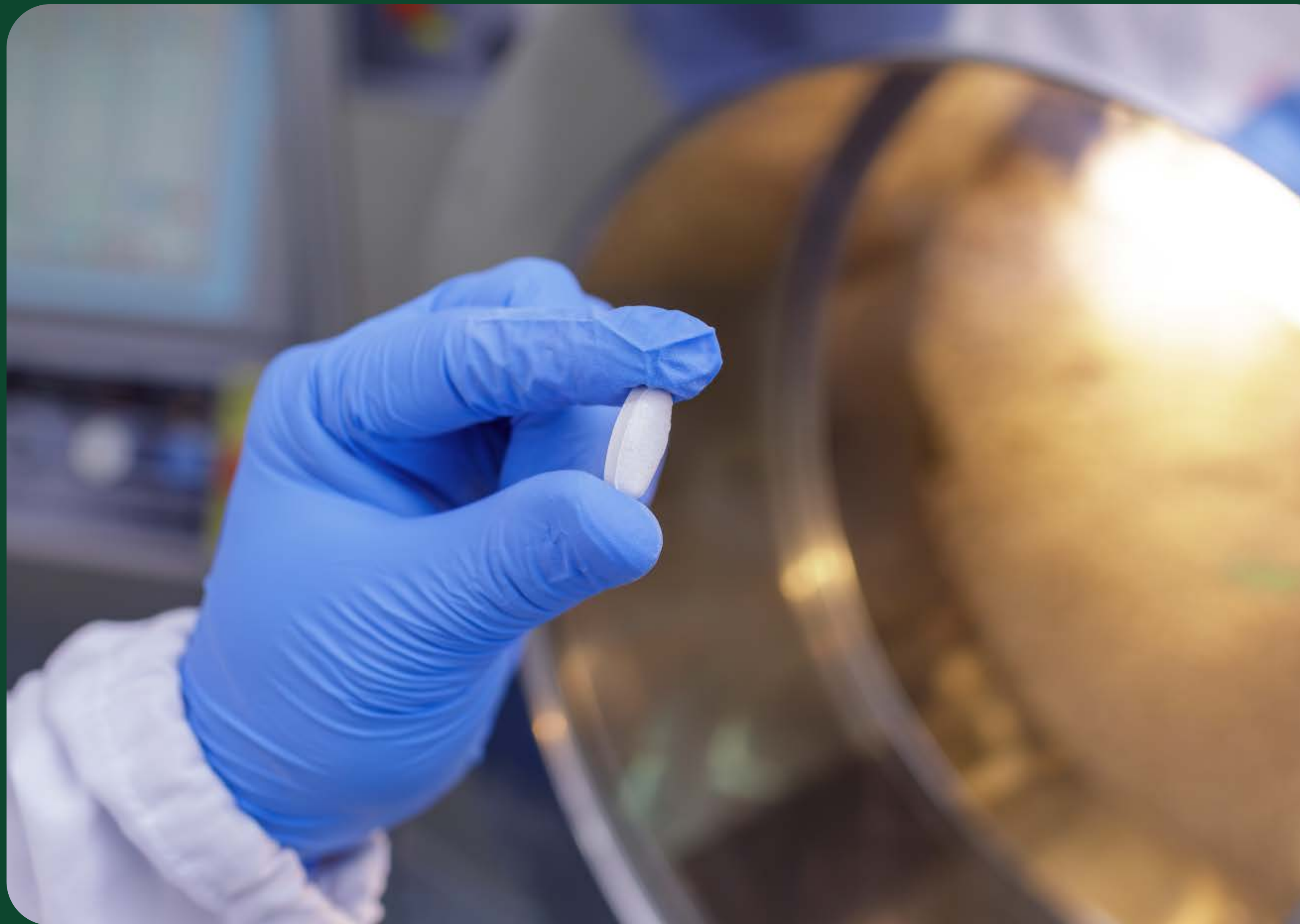
TECHNICAL PARAMETERS

Model	XGL100	XGL100E	XGL160	XGL200	XGL240	XGL360
Overall size of wheel (mm)	Φ100×25	Φ100×40	Φ160×50	Φ200×75	Φ240×100	Φ360×150
Production capacity (kg/h)	0.5-10	0.5-10	20-100	80-200	150-320	300-650
Particle fineness (mesh)	10-80	10-80	10-80	10-80	10-80	10-80
Work pressure (Mpa)	7-23	7-23	5-24	5-24	5-24	5-24
Pressure of pressing wheel (t/cm)	3	3	4	4	4.5	4.5
Total power (kW)	3.35/3.9	4.43/4.68	6.3/7.4	11.24/12.4	15.94/17.44	28.24/30.44
Main structural dimensions (mm)	1050×950×1700	1100×950×1750	1200×1450×1900	1250×1450×1900	1300×1500×1980	1500×1700×2280
Main machine weight (kg)	~850	~950	~1200	~1250	~2280	~3100



Coating

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APPLICATION

The BGB-C High-efficiency coating machine supports CIP. It applies water soluble aqueous film coating, organic film coating, drop pill coating, sugar coating and chocolate/candy coating for tablets, pills and confectioneries, widely used in pharmaceutical and food industries.

KEY FEATURES

- The PLC & HMI control system features rational design and flexible programming, adapting to diverse pharmaceutical processes. It operates reliably and stably in compliance with GMP.
- Streamlined baffled agitators enable smooth and frequent tablet turnover, preventing falling and collision to avoid chipping and raise yield. Narrow baffle surface reduces material adhesion, saving excipients and improving product
- Constant-pressure variable peristaltic pump eliminates return pipe. Its roller gyration radius varies with different pressure to balance slurry delivery and spraying amount, ensuring stable atomization, preventing nozzle clogging, cutting excipient consumption and enabling easy dead-space-free cleaning.
- New spray nozzles deliver uniform, wide-range and adjustable spraying amount, unaffected by load volume. Equipped with self-cleaning structure for continuous coating, shortening process time and saving coating materials.
- Technical parameters support quantitative display and control. SOP can be compiled for standardized operation, ensuring consistent batch quality and full GMP compliance.

TECHNICAL PARAMETERS

Model	BGB-350C	BGB-250C	BGB-150C	BGB-80C	BGB-40C
Production capacity (kg/batch)	350	250	150	80	40
Drum rotation speed (rpm)	2-14	2-14	2-14	2-14	2-14
Main machine motor power (kw)	4	3	2.2	1.5	1.1
Temperature adjustment range (°C)	Ambient~80 (all models)	Ambient~80 (all models)	Ambient~80 (all models)	Ambient~80 (all models)	Ambient~80 (all models)
Hot air filtration accuracy (µm)	0.5 (Class 100,000) (all models)	0.5 (Class 100,000) (all models)	0.5 (Class 100,000) (all models)	0.5 (Class 100,000) (all models)	0.5 (Class 100,000) (all models)
Motor power of hot air blower (kw)	3.0	3.0	2.2	1.5	1.1
Exhaust fan motor power (kw)	11.0	7.5	5.5	4	3
Peristaltic pump motor power (kw)	0.05	0.05	0.05	0.04	0.04
Overall size of main machine (mm)	2000*1560*2270	1880*1440*2210	1570*1260*2000	1200*965*1765	1120*880*1715
Main machine weight (kg)	1650	1250	900	550	500



APPLICATION

This new coater is mainly used in pharmaceutical, biotech and food industries. It applies sugar coating, organic film coating, water soluble film coating, chocolate and candy coating for Chinese & Western medicine tablets, pills, drop pills and pelletized granules. Integrating merits of traditional coaters, this mechatronic device features high efficiency, energy saving, safety and sanitation, fully complying with GMP standards.

KEY FEATURES

- Integrated compact design saves floor space.
- Fully automatic operation via PLC.
- Adjustable air speed and negative pressure, with temperature display and control.
- Replaceable coating drums to suit different batch quantity.

TECHNICAL PARAMETERS

Parameter	Value
Production capacity (kg/batch, at bulk density 1)	1, 3, 5, 10
Speed range of coating roller (rpm)	1-25
Main machine motor power (kw)	0.37
Hot air temperature adjustment range (°C)	Ambient~80
Hot air filtration accuracy (µm)	0.5 (Class 100,000)
Motor power of hot air blower (kw)	0.18
Exhaust fan motor power (kw)	0.75
Electric heating power (kw)	7.5
Main machine dimensions (mm)	1220*1050*1810
Weight (kg)	600



APPLICATION

Ordinary thin film coatings of water or organic solvents for polymer materials; the materials have low adhesion, the solvent evaporates minimally, suitable for coatings with organic solutions, sustained-release or controlled-release coatings, enteric coatings, coatings of fine particles, and coatings for active pharmaceutical ingredients.

KEY FEATURES

- Same-direction spraying and nozzles embedded in the material result in a short droplet travel.
- The probability of particle fluidization passing through sprayed mist particles is high.
- The spray area is highly densely packed with particles.

TECHNICAL PARAMETERS

Model	1.5	3	5	15	30	60	120	200	300
Raw material container capacity (L)	5	10	20	50	100	220	420	670	1000
Raw material container diameter (mm)	400	550	650	800	1000	1200	1400	1600	1800
Production capacity (kg/batch)	1-1.5	1.5-3	2-5	7-15	15-30	30-60	60-120	100-200	150-300
Steam pressure (MPa)	0.4-0.6 (all models)	0.4-0.6 (all models)	0.4-0.6 (all models)	0.4-0.6 (all models)	0.4-0.6 (all models)	0.4-0.6 (all models)	0.4-0.6 (all models)	0.4-0.6 (all models)	0.4-0.6 (all models)
Steam consumption (kg/h)	9	12kw	40	60	85	120	210	320	510
Compressed air pressure (MPa)	0.4-0.6 (all models)	0.4-0.6 (all models)	0.4-0.6 (all models)	0.4-0.6 (all models)	0.4-0.6 (all models)	0.4-0.6 (all models)	0.4-0.6 (all models)	0.4-0.6 (all models)	0.4-0.6 (all models)
Compressed air consumption (m3/min)	0.4	0.6	0.6	0.9	1.1	1.2	1.5	1.9	2.2
Fan power (kw)	4	5.5	7.5	11	15	18.5	22	30	45
Noise (dB)	≤75 (Fan Isolation Installation), all models	≤75 (Fan Isolation Installation), all models	≤75 (Fan Isolation Installation), all models	≤75 (Fan Isolation Installation), all models	≤75 (Fan Isolation Installation), all models	≤75 (Fan Isolation Installation), all models	≤75 (Fan Isolation Installation), all models	≤75 (Fan Isolation Installation), all models	≤75 (Fan Isolation Installation), all models
Whole machine weight (kg)	500	600	750	850	950	1200	1500	1800	2300



Mixing

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APPLICATION

The HFD series blender realizes automatic lifting, blending and descending. Equipped with one unit or multiple hopper mixers of different sizes, it handles batches of varied volumes and diverse materials, ideal for final blending in pharmaceutical plants, and widely applied in pharmaceutical, chemical and food industries.

KEY FEATURES

- Innovative and compact design with elegant appearance. Mixing uniformity exceeds 99% and filling coefficient reaches 80%.
- The symmetrical plane of the rotating body (mixing hopper) forms an undetermined angle with the axis of rotation. The material in the mixing hopper flips along the rotating body while also making tangential motion along the bucket wall, resulting in strong flipping and high-speed tangential motion, thus achieving the best mixing performance.
- Fully automatic PLC control. Discharge butterfly valve fitted with infrared safety and misoperation prevention devices for operational safety.
- Compatible with hoppers of various specifications and quantities.
- Equipped with multiple safety interlock mechanisms.
- Effectively controls dust and cross-contamination, reduces material loss and segregation to optimize production.
- Mirror-polished inner and outer hopper walls with no dead corners for easy discharging and cleaning, complying with GMP standards.

TECHNICAL PARAMETERS

Model	HFD-600	HFD-1000	HFD-1500	HFD-2000	HFD-3000
Maximum Hopper Capacity (L)	600	1000	1500	2000	3000
Maximum Loading Capacity (L)	480	800	1200	1600	2400
Maximum Loading Weight (kg)	300	500	750	1000	1500
Spindle Speed (rpm)	0-10	0-10	0-10	0-10	0-10
Total Motor Power (kw)	5.5	7.7	9.7	9.7	18
Weight (kg)	2600	3020	3600	4250	4750
Front Width H (mm)	1780	2070	2240	2410	2670
H1 (mm)	1390	1730	1900	2070	2200
H2 (mm)	2330	2630	3100	3320	3660
H3 (mm)	2710	3200	3500	3810	4200
L (mm)	3290	3660	3910	4010	4425
W (mm)	2150	2300	2300	2300	2700
W1 (mm)	1650	1650	1650	1650	1950
W2 (mm)	2360	2940	3200	3480	4000



APPLICATION

The HLT series lifting hopper mixer is widely used in the pharmaceutical industry production process for mixing different components of dry powder and powder, as well as dry powder and particles. It supports various hopper sizes, ideal for medium and large pharmaceutical enterprises. It can mix multiple varieties and batches of medicine according to process requirements on a single machine, achieving multi-purpose application.

KEY FEATURES

- High-performance mechatronic/hydraulic equipment with PLC control, easy operation and convenient parameter adjustment.
- Sensitive control system, compact structure and stable running.
- Compatible with various hoppers. Mixed materials remain in hoppers for direct transfer to next process, boosting efficiency and preventing cross-contamination, fully GMP-compliant.
- The mixing barrel can be used as both an ingredient dosing barrel for the previous process and a feeding hopper for the next process (tablet pressing, capsule filling).
- Mixing uniformity over 99% and filling coefficient up to 80%. Smooth barrel interior and exterior without dead corners, meeting GMP standards for pharmaceutical production.

TECHNICAL PARAMETERS

Model	HLT-200	HLT-300	HLT-500	HLT-800	HLT-1500	HLT-2000
Maximum Hopper Capacity (L)	200	300	400	800	1500	2000
Maximum Working Capacity (L)	160	240	320	640	1200	1600
Maximum Loading Weight (kg)	100	150	200	400	750	1000
Mixing Speed (rpm)	3~19	3~19	3~19	3~16	3~10	3~10
Total Motor Power (kW)	4.4	5.2	6.2	7	8.5	9.7
Whole machine weight (kg)	800.0	1000	1200	1800.0	2200	3000
L (mm)	2830	2870	3170	3380	3740	3910
H (mm)	2625	2725	2800	2875	3200	3200
H1 (mm)	700	760	880	1060	1250	1250
H2 (mm)	1040	1100	1290	1460	1690	1730
H3 (mm)	1450	1500	1650	1840	2340	2350
W (mm)	740	740	740	740	900	900
W1 (mm)	1680	1800	1640	2540	2980	3060



APPLICATION

The FZH series square cone blender integrates advantages of various blenders and features wide applicability. It fully complies with national pharmaceutical GMP and relevant industrial standards, and is particularly suitable for large-batch mixing of single-variety products, widely used for solid materials in pharmaceutical, food, dairy and chemical industries.

KEY FEATURES

- Novel and compact design with fine appearance. Mixing uniformity reaches 99% and filling coefficient is 0.8.
- Low rotating height, stable running, reliable performance and easy operation.
- Mirror-polished barrel walls with no dead corners for convenient discharging, cleaning and maintenance, free of cross-contamination.
- Fully compliant with GMP for pharmaceutical production.

TECHNICAL PARAMETERS

Table

Model	FZH-300	FZH-500	FZH-1000	FZH-1500	FZH-2000	FZH-3000
Mixing Drum Capacity (L)	300	500	1000	1500	2000	3000
Working Capacity (L)	240	400	800	1200	1600	2400
Maximum Loading Weight (kg)	150	250	500	750	1000	1500
Mixing Speed (rpm)	3~14	3~13	3-12	3~10	3~10	3~8
Motor Power (kw)	1.5	2.2	4	5.5	7.5	11
Whole machine weight (kg)	600	750	1200	1650	2000	3000
L (mm)	1900	2200	2800	3000	3300	3800
W (mm)	1300	1600	2000	2400	2600	3000
H (mm)	2000	2200	2800	3000	3300	3800

Table 2

Model	FZH-4000	FZH-5000	FZH-6000	FZH-8000	FZH-10000
Mixing Drum Capacity (L)	4000	5000	6000	8000	10000
Working Capacity (L)	3600	4000	4800	6400	8000
Maximum Loading Weight (kg)	2000	2500	3000	4000	5000
Mixing Speed (rpm)	3~8	3~8	3~6	3~6	3~6
Motor Power (kw)	11	15	15	18.5	18.5
Whole machine weight (kg)	3500	4000	5000	6000	6800
L (mm)	4100	4400	4500	4800	5200
W (mm)	3100	3500	3700	3900	4400
H (mm)	4000	4300	4700	4800	4800



APPLICATION

The WSJ series zero-gravity mixer is used for mixing powder-powder, granule-granule, powder-granule materials and mixtures with a small amount of liquid. It is widely applied in chemical, dry mortar, pesticide, ceramic, food, feed and battery industries. As a high-precision mixing unit, it features strong material adaptability and delivers uniform mixing even for materials with large differences in specific gravity, proportion and particle size.

KEY FEATURES

- Efficiency: relative reverse rotation scatters the material at different angles; mixing time 3-10 minutes.
- Excellent uniformity: compact structure enables blades to cover the entire mixing chamber.
- Low residue: clearance between blades and barrel is 2-5mm, equipped with open discharge port.
- Zero leakage: shaft and discharge port are fully sealed.
- No dead corners: fully welded and polished chamber with no exposed fasteners.
- Fine appearance: all parts except gearbox, direct drive and bearing housings are made of stainless steel.

TECHNICAL PARAMETERS

Table

Model	WSJ-1	WSJ-2	WSJ-3	WSJ-4	WSJ-5	WSJ-6
Loading factor (%)	40~60 (all models)	40~60 (all models)	40~60 (all models)	40~60 (all models)	40~60 (all models)	40~60 (all models)
Available capacity (m3)	0.4-0.6	0.8-1.2	1.2-1.8	1.6-2.4	2-3	2.4-3.6
Motor power (kw)	15	22	22	30	37	45
Whole machine weight (kg)	1500	2500	3000	4200	4700	5500
L (mm)	2000	2350	2600	2850	3000	3200
W (mm)	1362	1556	1780	2100	2326	2430
H (mm)	1450	1750	1900	2100	2150	2300

Table 2

Model	WSJ-8	WSJ-10	WSJ-12	WSJ-15	WSJ-20
Available capacity (m3)	3.2-4.8	4-6	4.8-7.2	6-9	8-12
Motor power (kw)	45	55	55	75	90
Whole machine weight (kg)	7000	8000	8800	11000	13000
L (mm)	3500	3750	3800	4000	4600
W (mm)	2510	2830	2890	3200	3300
H (mm)	2500	2700	2750	2900	3000



APPLICATION

The SYH series 3D motion mixer is suitable for high uniformity mixing of materials in industries such as pharmaceuticals, chemicals, batteries, plastics, metallurgy, food, and scientific research institutions.

KEY FEATURES

- During the mixing process, materials undergo flow, shear, translation, and diffusion, from aggregation to dispersion, and complete mutual penetration to achieve mixing.
- 80% effective loading rate, short mixing time and high efficiency.
- Small footprint with no special workshop requirements, cutting infrastructure costs.
- The mixing barrel and the transmission part of the machine body can be installed in the partition wall mode, which is convenient for meeting GMP requirements.
- Stepless speed regulation, easy feeding and discharging.
- Long service life, low noise; compatible with vacuum feeder or lifting feeder.

TECHNICAL PARAMETERS

Model	SYH-100	SYH-200	SYH-400	SYH-600	SYH-800	SYH-1000	SYH-1200	SYH-1500
Mixing Tank Capacity (L)	100	200	400	600	800	1000	1200	1500
Maximum Loading Capacity (L)	80	160	320	480	640	800	960	1200
Maximum Loading Weight (kg)	64	100	200	300	400	500	600	750
Spindle Speed (rpm)	3~14	3~14	3~12	3~12	3~10	3~10	3~10	3~10
Motor Power (kw)	2.2	3	4	5.5	7.5	7.5	11	11
Whole machine weight (kg)	650	900	1350	1550	2500	2650	3500	4000
L (mm)	1400	1800	2200	2400	2600	2800	3400	3400
W (mm)	1500	1600	1900	2100	2500	2600	3200	3200
H (mm)	1600	1700	1900	2100	2600	2800	3000	3100



APPLICATION

The EYH series two-dimensional mixer is widely used in pharmaceutical, chemical, food, feed and agricultural industries, especially for large-capacity (1000L-20000L) solid material mixing.

KEY FEATURES

- Simple structure, low failure rate, stable operation, safe use, low noise, easy cleaning, complies with GMP requirements.
- Driven by rotating and swinging mechanisms, the drum moves in dual motions for thorough material mixing.
- The equipment can be equipped with an automatic vacuum feeding machine and interface, which facilitates feeding and shortens operation time. High efficiency and low cost.

TECHNICAL PARAMETERS

Table

Model	EYH-100	EYH-300	EYH-600	EYH-800	EYH-1000	EYH-1500
Mixing Bucket Capacity (L)	100	300	600	800	1000	1500
Maximum Loading Capacity (L)	50	150	300	400	500	750
Maximum Loading Weight (kg)	40	75	150	200	250	400
Total Motor Power (kw)	1.85	1.85	2.6	2.6	5.2	6.2
Whole machine weight (kg)	150	340	1150	1600	1700	2000
L (mm)	1000	1400	1800	1970	2200	2400
W (mm)	860	1000	1300	1400	1600	1800
H (mm)	1500	1650	1850	2100	2200	2450

Table 2

Model	EYH-2000	EYH-2500	EYH-3000	EYH-5000	EYH-10000	EYH-15000
Mixing Bucket Capacity (L)	2000	2500	3000	5000	10000	15000
Maximum Loading Capacity (L)	1000	1250	1500	2500	5000	7500
Maximum Loading Weight (kg)	500	650	750	1300	2500	4000
Total Motor Power (kw)	8.5	10.5	11.5	18.5	26	29.5
Whole machine weight (kg)	2600	3050	3500	4800	9500	12000
L (mm)	2600	2860	3000	3530	4240	5000
W (mm)	2000	2200	2400	2700	3200	3600
H (mm)	2650	2900	3100	3600	4350	5100



APPLICATION

The HLS series mixer is mainly used for powder mixing tests. As an advanced mechatronic experimental device, it is ideal for exploring optimal mixing process parameters.

KEY FEATURES

- Innovative and compact design with elegant appearance. Mixing uniformity reaches 99% and filling coefficient is 0.8.
- Low rotation height, stable operation, reliable performance and easy handling.
- Mirror-polished barrel walls without dead corners for easy discharging and cleaning. It prevents cross-contamination and complies with GMP standards.

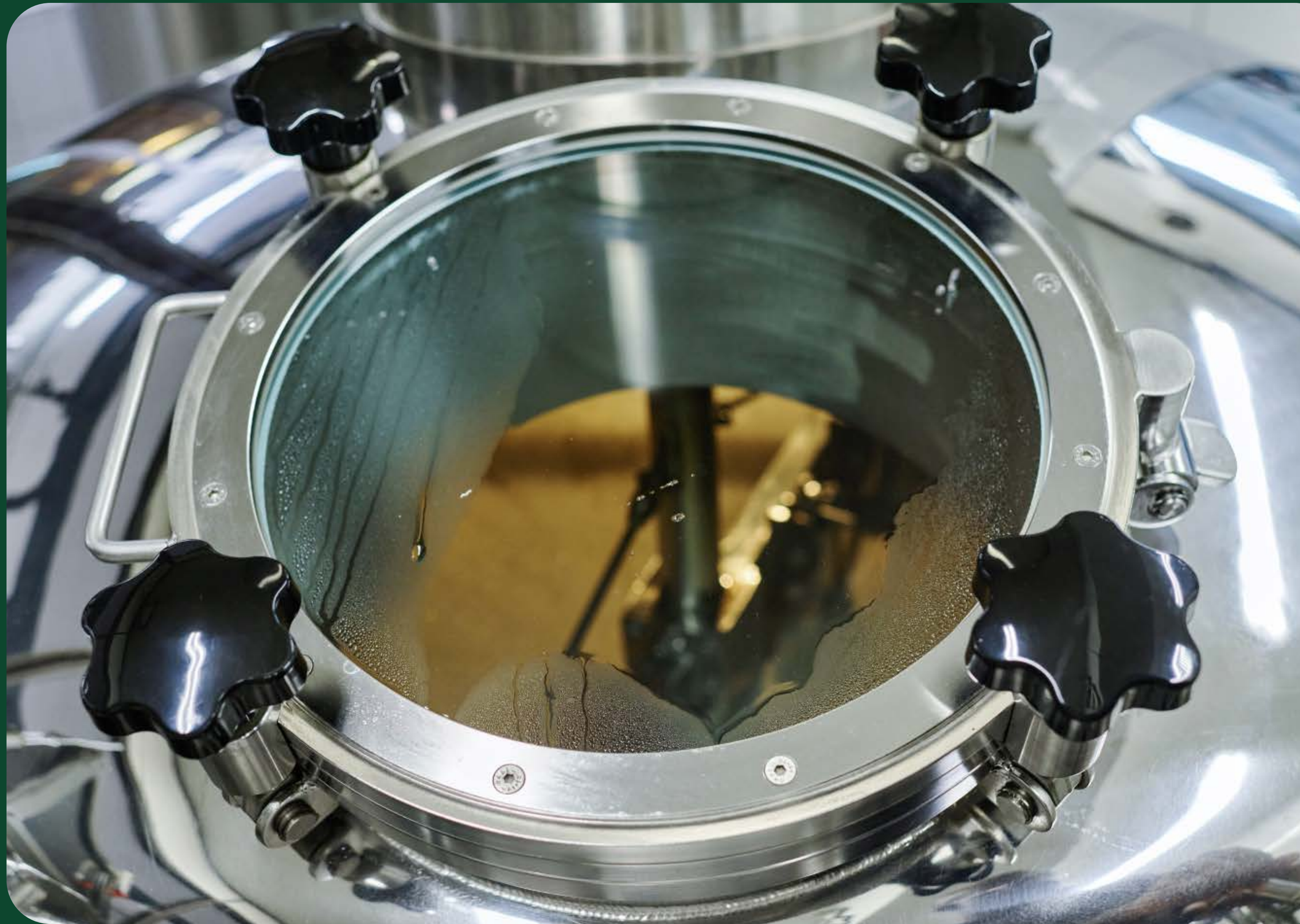
TECHNICAL PARAMETERS

Model	HLS-5	HLS-10	HLS-15	HLS-20	HLS-30	HLS-50	HLS-100
Mixing Bucket Capacity (L)	5	10	15	20	30	50	100
Maximum Loading Capacity (L)	2.5	5	7.5	10	15	25	50
Maximum Loading Weight (kg)	3~30	3~30	3~30	3~30	3~25	3~25	3~20
Total Motor Power (kw)	0.37	0.37	0.37	0.37	0.55	0.55	0.75
Whole machine weight (kg)	150	160	170	180	190	200	250
L (mm)	870	1030	1040	1050	1100	1150	1400
W (mm)	600	600	600	600	600	600	800
H (mm)	1050	1120	1150	1180	1200	1290	1430



Drying

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APPLICATION

The XF series fluid bed dryer has been continuously optimized over 30 years. It is widely used in pharmaceutical, chemical, food and grain processing industries for dehumidifying and drying powdery and granular materials such as API, granules, instant drinks, feed and resin, with applicable particle size ranging from 0.1 to 6 mm.

KEY FEATURES

- Efficiency: adopts fluidization technology, enabling materials to be quickly dried, improving drying efficiency.
- Energy saving: utilizes heat through hot air circulation during drying, reducing energy waste.
- Universal applicability: suitable for drying various materials, such as granular, flaky, powdery, etc.
- Environmental friendliness: adopts a closed structure, which reduces the leakage of dust.
- Automation: adopts automation control technology, which can automatically control the drying degree and temperature parameters of materials, improving production efficiency.
- Safety: has safety protection functions during operation, such as over-temperature protection, motor overload protection, etc., ensuring safe operation of the equipment.

TECHNICAL PARAMETERS

Table

Model	XF0.25-1	XF0.25-2	XF0.25-3	XF0.25-6	XF0.3-2	XF0.3-4	XF0.3-6	XF0.3-8
Bed Area (m2)	0.25	0.5	1	1.5	0.6	1.2	1.8	2.4
Drying Capacity (kg H2O/h)	10~15	20~25	30~45	52~75	~30	42~60	63~90	84~120
Fan Power (kw)	5.5	7.5	15	22	7.5	18.5	30	37
Inlet Air Temperature (°C)	120~140 (all models)	120~140 (all models)	120~140 (all models)	120~140 (all models)	120~140 (all models)	120~140 (all models)	120~140 (all models)	120~140 (all models)
Material Temperature (°C)	40~60 (all models)	40~60 (all models)	40~60 (all models)	40~60 (all models)	40~60 (all models)	40~60 (all models)	40~60 (all models)	40~60 (all models)
Footprint (m2)	18	25	35	40	25	38	45	56
Main Machine L (mm)	1000	2000	4000	6000	2000	4000	6000	8000
Main Machine W (mm)	600	600	600	600	700	700	700	700
Main Machine H (mm)	3350	3350	3350	3350	3400	3400	3400	3400

Table 2

Model	XF0.3-10	XF0.4-4	XF0.4-6	XF0.4-8	XF0.4-10	XF0.5-4	XF0.5-6	XF0.5-8
Bed Area (m2)	3	1.6	2.4	3.2	4	2	3	4
Drying Capacity (kg H2O/h)	105~150	56~80	84~120	112~160	140~200	70~100	105~150	140~200
Fan Power (kw)	48	30	37	48	70	30	48	70
Inlet Air Temperature (°C)	120~140 (all models)	120~140 (all models)	120~140 (all models)	120~140 (all models)	120~140 (all models)	120~140 (all models)	120~140 (all models)	120~140 (all models)
Material Temperature (°C)	40~60 (all models)	40~60 (all models)	40~60 (all models)	40~60 (all models)	40~60 (all models)	40~60 (all models)	40~60 (all models)	40~60 (all models)
Footprint (m2)	70	18	56	74	82	50	70	82
Main Machine L (mm)	10000	4000	6000	8000	10000	4000	6000	8000
Main Machine W (mm)	700	1000	1000	1000	1000	1200	1200	1200
Main Machine H (mm)	3400	3580	3580	3580	3580	4100	4100	4100



APPLICATION

The ZLG series vibrating fluidized bed dryer is driven by vibration motors, featuring stable operation, easy maintenance, low noise and long service life. It ensures uniform fluidization without dead zones or air breakthrough, delivering evenly dried and cooled products. Widely used for drying and cooling powders and granules in chemical, pharmaceutical, food, grain and mining industries, applicable for citric acid, monosodium glutamate, borax, ammonium sulfate, compound fertilizer, shredded radish, soybean meal, distillers' grains, seeds, slag, granulated sugar and more.

KEY FEATURES

- Driven by vibration motors, it runs stably with low noise, easy maintenance and long service life.
- Uniform fluidization without dead zones or air breakthrough, ensuring consistent drying and cooling.
- Flexible adjustment and wide application. Material bed depth, conveying speed and amplitude are steplessly adjustable.
- Minimal surface damage to materials, ideal for fragile items; works well for irregular particles.
- Fully enclosed structure avoids cross-contamination and keeps working environment clean.
- High mechanical and thermal efficiency, saving 30-60% energy compared with ordinary dryers.

TECHNICAL PARAMETERS

Table

Model	ZLG3×0.3	ZLG4.5×0.3	ZLG4.5×0.45	ZLG4.5×0.6	ZLG6×0.45	ZLG6×0.6
Fluidized Bed Area (m2)	0.9	1.4	2	2.7	2.7	3.6
Inlet Air Temperature (°C)	70-140 (all models)	70-140 (all models)	70-140 (all models)	70-140 (all models)	70-140 (all models)	70-140 (all models)
Outlet Air Temperature (°C)	40-70 (all models)	40-70 (all models)	40-70 (all models)	40-70 (all models)	40-70 (all models)	40-70 (all models)
Moisture Evaporation Capacity (kg/h)	20-35	35-50	50-70	70-90	80-100	100-130
Vibrating Motor Power (kw)	0.8*2	0.8*2	1.1*2	1.2*2	1.5*2	1.5*2
Main Machine Weight (kg)	1250	1560	1670	1910	2100	2410
Overall A (mm)	3000	4500	4500	4500	6000	6000
Overall B (mm)	300	300	450	600	450	600
Overall C (mm)	1350	1350	1550	1650	1650	1700
Overall D (mm)	430	430	430	430	430	500
Overall E (mm)	1650	1650	1700	1700	1700	1700

Table 2

Model	ZLG6×0.75	ZLG6×0.9	ZLG7.5×0.6	ZLG7.5×0.75	ZLG7.5×0.9	ZLG7.5×1.2
Fluidized Bed Area (m2)	4.5	5.4	4.5	5.6	6.8	9
Inlet Air Temperature (°C)	70-140 (all models)	70-140 (all models)	70-140 (all models)	70-140 (all models)	70-140 (all models)	70-140 (all models)
Outlet Air Temperature (°C)	40-70 (all models)	40-70 (all models)	40-70 (all models)	40-70 (all models)	40-70 (all models)	40-70 (all models)
Moisture Evaporation Capacity (kg/h)	120-140	140-170	130-150	150-180	160-210	200-260
Vibrating Motor Power (kw)	2.2*2	2.2*2	2.2*2	3.0*2	3.0*2	3.0*2
Main Machine Weight (kg)	2640	3160	3200	3600	4140	5190
Overall A (mm)	6000	6000	7500	7500	7500	7500
Overall B (mm)	750	900	600	750	900	1200
Overall C (mm)	1850	2000	1850	2000	2100	2500
Overall D (mm)	600	600	600	600	600	800
Overall E (mm)	1850	1850	1850	1850	1850	2050



APPLICATION

The LPG series spray dryer is widely applied in liquid forming and drying industries. It produces powdered and granular solids from solutions, emulsions, suspensions and pastes. It is an optimal process for finished products requiring strict standards on particle size distribution, residual moisture, bulk density and particle shape.

KEY FEATURES

- Fast drying: Centrifugal spraying greatly expands material surface area. 95%-98% moisture evaporates within seconds in hot airflow.
- Suitable for heat-sensitive materials: Co-current flow keeps materials cool during moisture evaporation despite high air temperature.
- Wide application: Processes various materials including polymers, dyes, ceramics, pesticides, carbohydrates, dairy products, biological products and organic compounds.
- Good product performance: Instant drying yields fine particles with excellent dispersibility, flowability and solubility.
- Simplified production: Solutions with 40%-60% moisture can be directly dried into powder without crushing or screening. Particle size, bulk density and moisture content are adjustable via operational parameters for easy control.

TECHNICAL PARAMETERS

Model	LPG5	LPG25	LPG50	LPG100	LPG150	LPG200-2000
Inlet Temperature (°C)	140-350 Self-control (all models)	140-350 Self-control (all models)	140-350 Self-control (all models)	140-350 Self-control (all models)	140-350 Self-control (all models)	140-350 Self-control (all models)
Outlet Temperature (°C)	80-90 (all models)	80-90 (all models)	80-90 (all models)	80-90 (all models)	80-90 (all models)	80-90 (all models)
Maximum Evaporation Capacity (kg/h)	5	25	50	100	150	200-2000
Centrifugal Spray Drive Type	Compressed air	Mechanical transmission	Mechanical transmission	Mechanical transmission	Mechanical transmission	Mechanical transmission
Rotational Speed (rpm)	25000	18000	18000	18000	15000	8000-15000
Spray Disc Diameter (mm)	50	100	120	140	150	180-340
Heating Medium	Electricity	Electric+Steam	Electricity, Steam, Fuel oil, Coal	Electricity, Steam, Fuel oil, Coal	Electricity, Steam, Fuel oil, Coal	N/A
Maximum Power of Electric Heating (kw)	9	36	63	81	99	N/A
Overall Size (m)	1.8×0.93×2.2	3×2.7×4.26	3.7×3.2×5.1	4.6×4.2×6	5.5×4.5×7	N/A
Dry Material Recovery Rate (%)	≥95	≥95	≥95	≥95	≥95	≥95



APPLICATION

Laboratory spray dryers atomize feed liquid into fine droplets, which are rapidly dried by hot air, nitrogen or superheated steam. It handles solutions, emulsions, suspensions, melts and pastes, producing powders, granules, hollow spheres and agglomerates as required.

KEY FEATURES

- Stainless steel nozzle ensures high efficiency and superior atomization.
- Full stainless steel construction delivers strong corrosion resistance.
- Color LCD touchscreen displays inlet/outlet temperature, peristaltic pump speed, air volume and needle cleaning
- Built-in automatic nozzle cleaner with adjustable working frequency to prevent clogging, ideal for viscous materials.
- Two-fluid atomization structure. Compact all-stainless steel design requires no auxiliary equipment.
- Real-time PID constant temperature control achieves precise heating with accuracy of $\pm 1^{\circ}\text{C}$ across the full temperature range.
- Feed rate adjustable via peristaltic pump; minimum sample volume: 30ml.
- Finished powder features uniform particle size, with over 95% particles in the same range.
- For viscous materials, a nozzle cleaner (needle cleaner) is installed, which will automatically clear the nozzle when it is blocked, and the frequency of needle cleaner can be automatically adjusted.

TECHNICAL PARAMETERS

Parameter	Value
Inlet Temperature (°C)	140-350 Self-control
Outlet Temperature (°C)	80-90
Maximum Evaporation Capacity (kg/h)	5
Centrifugal Spray Drive Type	Compressed air
Rotational Speed (rpm)	25000
Spray Disc Diameter (mm)	50
Heating Medium	Electric
Maximum Power of Electric Heating (kw)	9
Overall Size (m)	1.8×0.93×2.2
Dry Material Recovery Rate (%)	≥95



APPLICATION

The FZG series square vacuum drying oven features a herringbone top to prevent condensed water dripping back. Designed for low-temperature drying of heat-sensitive and oxidation-prone materials, it delivers high drying efficiency with flower temperature to achieve higher drying efficiency. As a static vacuum dryer, it keeps material shapes intact. Widely used in pharmaceutical, food, light industry and chemical sectors, it offers fast drying, low contamination and no damage to product quality.

KEY FEATURES

- High drying efficiency and full heat utilization at low temperatures.
- Ideal for low-temperature drying of heat-sensitive and oxidation-prone materials.
- Can dry materials containing solvents and solvents that need to be recovered.
- Disinfection available before drying; no impurities mixed in during operation.
- Static vacuum design keeps material shape intact.
- Batch production type with flexible process adjustment.
- Arched top prevents condensed water backflow.
- Four-point integrated vacuum structure ensures uniform drying.

TECHNICAL PARAMETERS

Table

Model	FZG-4	FZG-8	FZG-12	FZG-24	FZG-32	FZG-48	FZG-60
Number of drying rack layers	4	4	6	6	8	12	10
Distance between layers (mm)	120 (all models)	120 (all models)	120 (all models)	120 (all models)	120 (all models)	120 (all models)	120 (all models)
Tray size (mm)	460*640*45 (all models)	460*640*45 (all models)	460*640*45 (all models)	460*640*45 (all models)	460*640*45 (all models)	460*640*45 (all models)	460*640*45 (all models)
Number of trays	4	8	12	24	32	48	60
Drying rack load capacity (Mpa)	≤0.78 (all models)	≤0.78 (all models)	≤0.78 (all models)	≤0.78 (all models)	≤0.78 (all models)	≤0.78 (all models)	≤0.78 (all models)
Internal temperature (°C)	35-150 (all models)	35-150 (all models)	35-150 (all models)	35-150 (all models)	35-150 (all models)	35-150 (all models)	35-150 (all models)
Internal vacuum degree (Mpa)	>-0.096 (all models)	>-0.096 (all models)	>-0.096 (all models)	>-0.096 (all models)	>-0.096 (all models)	>-0.096 (all models)	>-0.096 (all models)
Uniformity of hot water without load (°C)	±5 (all models)	±5 (all models)	±5 (all models)	±5 (all models)	±5 (all models)	±5 (all models)	±5 (all models)
Main machine weight (kg)	460	850	1000	1480	1620	1950	2200
Overall Size (mm)	860*860*1750	1050*1160*1750	1050*1160*1750	1350*1520*1750	1350*1520*1850	1350~1520*2000	1710*1620*1850

Table 2

Model	PFZG-4	PFZG-8	PFZG-16	PFZG-20	PFZG-32	PFZG-48	PFZG-60
Number of drying rack layers	12	24	48	60	96	144	180
Distance between layers (mm)	120 (all models)	120 (all models)	120 (all models)	120 (all models)	120 (all models)	120 (all models)	120 (all models)
Tray size (mm)	400*600*45 (all models)	400*600*45 (all models)	400*600*45 (all models)	400*600*45 (all models)	400*600*45 (all models)	400*600*45 (all models)	400*600*45 (all models)
Number of trays	4	8	16	20	32	48	60
Drying rack load capacity (Mpa)	≤0.4 (all models)	≤0.4 (all models)	≤0.4 (all models)	≤0.4 (all models)	≤0.4 (all models)	≤0.4 (all models)	≤0.4 (all models)
Internal temperature (°C)	35-150 (all models)	35-150 (all models)	35-150 (all models)	35-150 (all models)	35-150 (all models)	35-150 (all models)	35-150 (all models)
Internal vacuum degree (Mpa)	>-0.098 (all models)	>-0.098 (all models)	>-0.098 (all models)	>-0.098 (all models)	>-0.098 (all models)	>-0.098 (all models)	>-0.098 (all models)
Uniformity of hot water without load (°C)	±2 (all models)	±2 (all models)	±2 (all models)	±2 (all models)	±2 (all models)	±2 (all models)	±2 (all models)
Main machine weight (kg)	850	1450	2200	2500	3200	4550	5100
Overall Size (mm)	870*916*1750	1210*1266*1750	1490*966*1900	1490*966*1900	1490*1616*1900	1760*1596*1900	1760*1596*1900



APPLICATION

The SZG series dryer is used for vacuum drying and mixing of powders and granules in pharmaceutical, food, chemical and other industries. It is especially suitable for heat-sensitive, oxidation-prone materials, materials with specific crystal shape requirements, materials requiring solvent and toxic gas recovery, products demanding ultra-low residual volatiles, and materials needing thorough and uniform mixing.

KEY FEATURES

- Continuous drum rotation renews material heating surfaces constantly.
- Indirect heating prevents contamination and meets GMP standards; thermal efficiency over twice that of ordinary ovens.
- Drum speed supports stepless or frequency conversion regulation; temperature controlled via touchscreen or thermostat.
- Dual elastic connection of belt and chain ensures stable operation.
- Custom tooling guarantees good concentricity of left and right rotary shafts.
- Reliable rotary joints adopted for heat medium and vacuum systems.
- Multiple heating options: high-temperature heat conduction oil, medium-temperature steam and low-temperature hot water.

TECHNICAL PARAMETERS

Table

Model	SZG-100	SZG-350	SZG-500	SZG-750
Total Volume (L)	100	350	500	750
Working Volume (L)	50	175	250	375
Heating Area (m2)	1.1	2.3	2.8	3.9
Rotation Speed (rpm)	3-10 (all models)	3-10 (all models)	3-10 (all models)	3-10 (all models)
Power (kw)	0.75	1.5	2.2	3.0
Design Pressure Inside Tank (Mpa)	-0.096~-0.1 (all models)	-0.096~-0.1 (all models)	-0.096~-0.1 (all models)	-0.096~-0.1 (all models)
Jacket Design Pressure (Mpa)	≤0.3 (all models)	≤0.3 (all models)	≤0.3 (all models)	≤0.3 (all models)
Main machine weight (kg)	750	1300	1650	2000
Overall Size (mm)	2100*650*2000	2500*900*2550	2700*950*2450	2750*1100*2800

Table 2

Model	SZG-1000	SZG-1500	SZG-2000	SZG-3000
Total Volume (L)	1000	1500	2000	3000
Working Volume (L)	500	750	1000	1500
Heating Area (m2)	5.1	6.5	8.2	12.2
Rotation Speed (rpm)	3-5 (SZG-1000~2000); 3 (SZG-3000)	3-5 (SZG-1000~2000); 3 (SZG-3000)	3-5 (SZG-1000~2000); 3 (SZG-3000)	3-5 (SZG-1000~2000); 3 (SZG-3000)
Power (kw)	3.0	5.5	5.5	7.5
Design Pressure Inside Tank (Mpa)	-0.096~-0.1 (all models)	-0.096~-0.1 (all models)	-0.096~-0.1 (all models)	-0.096~-0.1 (all models)
Jacket Design Pressure (Mpa)	≤0.3 (all models)	≤0.3 (all models)	≤0.3 (all models)	≤0.3 (all models)
Main machine weight (kg)	2300	2680	2850	3500
Overall Size (mm)	3100*1200*2800	3250*1400*3150	3400*1500*3400	3750*1800*3950



APPLICATION

The LDG series ribbon vacuum dryer is a fully enclosed vertical unit integrating drying and mixing. Its distinctive ribbon agitator delivers vacuum drying performance, with efficiency 2 to 3 times that of double-cone rotary dryers of the same size. It is applied to powder drying processing in new energy, pharmaceutical, chemical and food industries, supporting fully enclosed continuous operation.

KEY FEATURES

- Short drying time and high efficiency.
- Unique air supply design minimizes gas interference.
- Continuous process reduces material leakage; solid discharge flow is controllable.
- Stable operation preserves crystal form via conical spiral stirring.
- Top drive structure eliminates contamination from shaft seals.
- Higher mixing and drying efficiency, wide throughput range and low unit energy consumption.
- Spacious interior for easy maintenance.
- Reduces labor work and prevents material splashing.
- Simple operation and easy upkeep.

TECHNICAL PARAMETERS

Table

Model	LDG500	LDG1000	LDG1500	LDG2000	LDG3000
Total Volume (m3)	≥0.5	≥1.0	≥1.5	≥2.0	≥3.0
Filling Factor (%)	70.0 (all models)	70.0 (all models)	70.0 (all models)	70.0 (all models)	70.0 (all models)
Heating Area (m2)	2.6	4.2	5.4	6.8	8.5
Stirring Speed (rpm)	5~35 (all models)	5~35 (all models)	5~35 (all models)	5~35 (all models)	5~35 (all models)
Cylinder Inner Diameter (mm)	1100	1400	1600	1800	2000
Total Equipment Height (mm)	2600	3100	3400	3800	4200

Table 2

Model	LDG4000	LDG5000	LDG6000	LDG8000
Total Volume (m3)	≥4.0	≥5.0	≥6.0	≥8.0
Filling Factor (%)	70.0 (all models)	70.0 (all models)	70.0 (all models)	70.0 (all models)
Heating Area (m2)	10.3	12.2	14.4	16.6
Stirring Speed (rpm)	5~35 (all models)	5~35 (all models)	5~35 (all models)	5~35 (all models)
Cylinder Inner Diameter (mm)	2200	2400	2600	3000
Total Equipment Height (mm)	4600	5000	5400	6000



APPLICATION

The CT-C series hot air circulation oven is used for heating, curing and dehydration of materials such as: APIs, herbal slices, extracts, powders, granules, pills, bottles, pigments, dehydrated produce, sausages, resins, electrical components, painted parts and more. Used in pharmaceutical, chemical, food, agricultural, aquatic and industrial fields.

KEY FEATURES

Equipped with low-noise high-temperature resistant axial fans and automatic temperature control system, the fully enclosed circulation system raises the thermal efficiency to 35%-45%, with a maximum of 50%, compared with 3%-7% of traditional drying rooms. It greatly saves energy and improves economic benefits.

TECHNICAL PARAMETERS

Model	CT-C-0	CT-C-I	CT-C-II	CT-C-III	CT-C-IV
Industry Standard	RXH-7-C	RXH-14-C	RXH-27-C	RXH-41-C	RXH-54-C
Evaporation Area (m2)	7.1	14.1	28.3	42.4	56.5
Effective Volume (m3)	1.2	2.5	4.8	7.4	10.3
Drying Capacity (kg/batch)	60	120	240	360	480
Heat Exchanger Area (m2)	10	20	40	80	100
Steam Consumption (kg/h)	10	18	40	60	80
Electric Heating Power (kw)	6-9	15	30	45	60
Fan Airflow (m3/h)	3450	5000	10000	15000	20000
Fan Power (kw)	0.55*1	0.75*1	0.75*2	0.75*2	0.75*4
Hot Water No-Load Uniformity (°C)	±5 (all models)	±5 (all models)	±5 (all models)	±5 (all models)	±5 (all models)
Overall Size (mm)	1290*1160*1970	2200*1160*1970	2200*2100*1970	3300*2100*1970	4240*2100*1970
Number of Drying Carts	1	2	4	6	8
Number of Drying Trays	24	48	96	144	192
Main machine weight (kg)	660	890	1380	1950	2420



Lifting and Transfer

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APPLICATION

The YLT series mobile lifting feeder is mainly used for conveying and feeding solid materials in pharmaceutical production, and compatible with mixers, granulators, tablet presses, coaters, capsule fillers and other equipment. It is also widely applied in chemical and food industries.

KEY FEATURES

- Strong overload resistance, stable low-speed operation, precise control, quick response and low heat & noise.
- Compact modern design with easy operation. Removable discharge butterfly valve for easy cleaning, compliant with GMP standards.
- Lightweight yet high load capacity and reliable performance.
- Large wheels reduce rolling resistance for easy movement.
- Multi-functional, time and labor saving with less environmental pollution.
- Low maintenance demand and cost.

TECHNICAL PARAMETERS

Model	YLT-50	YLT-100	YLT-150	YLT-200
Material cylinder volume (L)	50	100	150	200
Total power (kw)	1.87	1.87	2.05	2.05
Overall H (mm)	≤3500 (all models)	≤3500 (all models)	≤3500 (all models)	≤3500 (all models)
Overall H1 (mm)	≤2400 (all models)	≤2400 (all models)	≤2400 (all models)	≤2400 (all models)
Overall H2 (mm)	3115	3215	3350	3300
Overall L (mm)	1330	1580	1800	1800
Overall W (mm)	800 (all models)	800 (all models)	800 (all models)	800 (all models)



APPLICATION

The LTD series hoist transfer machine is designed for conveying and feeding solid materials in pharmaceutical industry. It matches mixers, tablet presses, capsule fillers and other equipment, and is also widely applied in pharmacy, chemical and food sectors.

KEY FEATURES

- Developed by integrating advanced foreign technologies and domestic practical conditions.
- Rational structure, stable performance and easy operation. No dead corners or exposed screws.
- Easy to clean, effectively controlling dust and cross-contamination, optimizing the production technology, fully compliant with pharmaceutical GMP standards.

TECHNICAL PARAMETERS

Model (LTD)	200	400	600	800	1000	1200	1500	2000	2500	3000
Structural H (mm)	>3500	>3800	>3800	>4000	>4200	>4200	>4600	>4800	>4500	>4800
H1 (mm)	2500	2500	2500	2500	2500	2500	2500	2500	2000	2000
H2 (mm)	3500	3800	3800	4000	4000	4200	4400	4600	4200	4200
H3 (mm)	3350	3630	3690	3890	3990	4130	4340	4620	4400	4650
W (mm)	700	700	700	750	750	750	750	750	750	750
R (mm)	1600	1800	2000	2000	2100	2100	2100	2100	2200	2200
Net load (kg)	160	320	480	640	800	960	1200	1600	2000	2400
Lifting power (kw)	1.5	1.5	2.2	2.2	3	3	3	3	3	3



APPLICATION

The JTZ series lifting tilting granulator directly processes materials from fluidized granulation bins into required granules and transfers them to the total mixing drum.

KEY FEATURES

- Adopts electro-hydraulic integrated control for stable and reliable performance. Equipped with joystick for flexible operation.
- Fully enclosed operation prevents dust emission and contamination.
- Screens of different specifications are replaceable.
- Compliant with pharmaceutical GMP standards.

TECHNICAL PARAMETERS

Model	JTZ-60	JTZ-120	JTZ-200	JTZ-300	JTZ-500
Net Load (kg)	60	120	200	300	500
Lifting Power (kw)	3	3	3	3	3
Tilting Motor Power (kw)	0.75	0.75	1.1	1.1	1.1
Grinding Motor Power (kw)	3	3	3	3	4
Mesh Size (mm)	Φ0.6-3 (all models)	Φ0.6-3 (all models)	Φ0.6-3 (all models)	Φ0.6-3 (all models)	Φ0.6-3 (all models)
Production Capacity (kg/h)	450	450	450	450	700
Weight (kg)	900	1000	1100	1200	1600
Overall ΦD (mm)	1022	1204	1378	1580	1700
Overall H (mm)	Design based on actual conditions (all models)	Design based on actual conditions (all models)	Design based on actual conditions (all models)	Design based on actual conditions (all models)	Design based on actual conditions (all models)



APPLICATION

The ZTZ series is used for granulating caked materials, transferring and feeding. It matches mixers, granulators, tablet presses, capsule fillers, packaging machines and other equipment, widely applied in pharmaceutical, chemical and food industries.

KEY FEATURES

- Mechatronic-hydraulic integrated design, compact, safe and reliable.
- Adjustable height to suit different production processes.
- Fully enclosed operation prevents dust and contamination.
- Compliant with pharmaceutical GMP standards.

TECHNICAL PARAMETERS

Model	ZTZ-100	ZTZ-200	ZTZ-300	ZTZ-400	ZTZ-500	ZTZ-700	ZTZ-1000
Lifting Capacity (kw)	3	3	3	3	3	3	3
Motor Power, Whole Grain (kw)	1.1	3	3	3	3	4	4
Mesh Size (mm)	Φ0.6-3 (all models)	Φ0.6-3 (all models)	Φ0.6-3 (all models)	Φ0.6-3 (all models)	Φ0.6-3 (all models)	Φ0.6-3 (all models)	Φ0.6-3 (all models)
Production Capacity (kg/h)	100	450	450	450	450	700	700
Overall H, H1, L (mm)	Design based on actual conditions (all models)	Design based on actual conditions (all models)	Design based on actual conditions (all models)	Design based on actual conditions (all models)	Design based on actual conditions (all models)	Design based on actual conditions (all models)	Design based on actual conditions (all models)



Crushing and Screening

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APPLICATION

This integrated crushing and dust collecting machine is suitable for low-conductivity and high-temperature resistant materials such as chemicals, pharmaceuticals (incl. traditional Chinese medicine), food, spices, resin powder and coating powder.

KEY FEATURES

- Made of high-quality austenitic stainless steel. The crushing chamber is smooth with no powder accumulation.
- Dust-free operation. Featuring simple, sturdy structure, stable running, easy cleaning and excellent crushing
- Discharges materials directly from the chamber. Particle size is adjustable via easily replaceable mesh screens.
- No sanitary dead corners, easy to maintain and fully GMP-compliant.

TECHNICAL PARAMETERS

Model	20B	30B	40B	50B
Production Capacity (kg/h)	150	300	800	1400
Grinding Speed (rpm)	5800	4500	3800	3200
Mesh Size	150	120	120	120
Grinding Motor Power (kw)	4	5.5	7.5	11
Dust Collection Motor Power (kw)	0.55	0.75	1.1	3
Overall Size (mm)	1100×600×1650	1200×650×1650	1350×700×1700	1400×800×1750



APPLICATION

The TLZ series dust-free feeding station is widely used in pharmaceutical, food, chemical, grain and environmental protection industries. It boosts production efficiency, ensures product quality and safety, and reduces pollution and material waste.

KEY FEATURES

- Simple structure and easy operation.
- Stainless steel feeding grille ensures safe operation.
- Negative pressure dust collection prevents dust dispersion.
- Multiple pulse backblow filters ensure high dust removal efficiency.
- Versatile applicability, can be used for inter-layer feeding, flat layer feeding and other online operations.

TECHNICAL PARAMETERS

Parameter	Value
Fan Power (kw)	1.1
Vibrating Motor Power (kw)	0.12
Supply Pressure (Mpa)	0.4-0.6
Compressed Air Consumption (L/min)	20
Screen Specifications	10 mesh, 5*5mm, 10*10mm



APPLICATION

The three-dimensional rotary vibrating screen is a screening device for grading granular materials by particle size. It realizes screening, filtering and classification via mesh screens, and is widely used in chemical, metallurgical, food, pharmaceutical and building material industries.

KEY FEATURES

- Low noise and high efficiency. Fully enclosed design prevents dust escape, suitable for fast screening of particles, powder and slurry.
- Compact and lightweight. Easy to operate and move, adaptable to various working environments.
- Multi-layer screens with different apertures for accurate grading for materials of various particle sizes.
- Adjustable amplitude and material motion track to meet diverse screening requirements.
- The discharge port can be rotated 360° for flexible layout of matching equipment.

TECHNICAL PARAMETERS

Table

Model	S49-600	S49-800	S49-1000	S49-1200
Screening Diameter (mm)	Φ560	Φ760	Φ930	Φ1130
Screening Area (m2)	0.23	0.42	0.64	0.95
Mesh Size	2-500 (all models)	2-500 (all models)	2-500 (all models)	2-500 (all models)
Number of Layers	1-5 (all models)	1-5 (all models)	1-5 (all models)	1-5 (all models)
Vibration Motor Power (kw)	0.25	0.55	1.1	1.1
Standard Motor Power (kw)	0.75	1.1	1.5	1.5
Overall D (mm)	600	800	1000	1200
Overall L (mm)	391	514	615	717
Overall H (mm)	415	430	430	550

Table 2

Model	S49-1500	S49-1800	S49-2000
Screening Diameter (mm)	Φ1430	Φ1730	Φ1920
Screening Area (m2)	1.61	2.35	2.9
Mesh Size	2-500 (all models)	2-500 (all models)	2-500 (all models)
Number of Layers	1-5 (all models)	1-5 (all models)	1-5 (all models)
Vibration Motor Power (kw)	1.5	3	3
Standard Motor Power (kw)	2.2	3	3
Overall D (mm)	1500	1800	2000
Overall L (mm)	866	1070	1210
Overall H (mm)	545	675	685



APPLICATION

The SZF series linear sieve is a vibrating screening equipment with a screen surface that follows a linear vibration trajectory, and has the advantages of high efficiency, high precision, and high production capacity. Linear screens are widely used in industries such as chemical, food, metallurgy, building materials, and powders. They can classify and separate various materials, achieving different levels of screening requirements.

KEY FEATURES

- Linear vibration track ensures high screening efficiency and accuracy.
- Smooth operation with low noise, no material damage.
- Simple structure, easy maintenance and long service life.
- Customizable for diverse materials and screening requirements.

TECHNICAL PARAMETERS

Table

Model	SZF516	SZF520	SZF525	SZF530	SZF535	SZF1020	SZF1025	SZF1030
Material Particle Size (mm)	0.075~20 (all models)	0.075~20 (all models)	0.075~20 (all models)	0.075~20 (all models)	0.075~20 (all models)	0.075~20 (all models)	0.075~20 (all models)	0.075~20 (all models)
Screen Inclination (°)	0~7 (all models)	0~7 (all models)	0~7 (all models)	0~7 (all models)	0~7 (all models)	0~7 (all models)	0~7 (all models)	0~7 (all models)
Amplitude (mm)	5~8 (all models)	5~8 (all models)	5~8 (all models)	5~8 (all models)	5~8 (all models)	5~8 (all models)	5~8 (all models)	5~8 (all models)
Number of Decks	1~5 (all models)	1~5 (all models)	1~5 (all models)	1~5 (all models)	1~5 (all models)	1~5 (all models)	1~5 (all models)	1~5 (all models)
Power (kw ×2)	0.08~0.4	0.4~0.75	0.75~1.1	1.1~1.5	2×1.1~1.5	0.75~1.1	2×1.1~1.5	1.5~2.2
Screen size W (mm)	500	500	500	500	500	1000	1000	1000
Screen size L (mm)	1600	2000	2500	3000	3500	2000	2500	3000

Table 2

Model	SZF1035	SZF1040	SZF1225	SZF1230	SZF1235	SZF1535	SZF1540
Material Particle Size (mm)	0.075~20 (all models)	0.075~20 (all models)	0.075~20 (all models)	0.075~20 (all models)	0.075~20 (all models)	0.075~20 (all models)	0.075~20 (all models)
Screen Inclination (°)	0~7 (all models)	0~7 (all models)	0~7 (all models)	0~7 (all models)	0~7 (all models)	0~7 (all models)	0~7 (all models)
Amplitude (mm)	5~8 (all models)	5~8 (all models)	5~8 (all models)	5~8 (all models)	5~8 (all models)	5~8 (all models)	5~8 (all models)
Number of Decks	1~5 (all models)	1~5 (all models)	1~5 (all models)	1~5 (all models)	1~5 (all models)	1~5 (all models)	1~5 (all models)
Power (kw ×2)	2.2	2.2~3.0	1.5~2.2	2.2~3.0	2×2.2~3.0	2.2~3.0	3.0~4.0
Screen size W (mm)	1000	1000	1200	585	585	735	735
Screen size L (mm)	3500	4000	2500	3000×2	3500×2	3500×2	4000×2



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