



# COMPLETE PHARMACEUTICAL PACKAGING SOLUTIONS

Make the world  
fall in love with Chinese machinery

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# ONE-STOP Pharmaceutical Packaging Solutions

# CAPSULCN

## We offer

Empty Capsule  
Grinder/Blender/Granulator  
Capsule Filling Equipments  
Tablet Production Equipments  
Complete Pharmaceutical  
Packaging Machinery

Ruian HUADACN Pharmaceutical Machinery Co., Ltd (HUADACN) was established in 1993 and now we are known as Zhejiang CapsulCN Machinery Co., Ltd. As one of the leading professional total-solution suppliers for automatic capsule filling machines, we combine German technology with Chinese manufacturing advantages, and we produce high-end equipment to exacting European standards in our modern Chinese facility.

We are committed to providing our global customers with:

- Quality pharmaceutical machines.
- Professional customer support and after sales service.
- All-inclusive and easy to use technology.



CapsulCN International Co., Ltd (CapsulCN) was founded in 2008 by 3 people, led by Ricky Pan, a shareholder in HUADACN. It is an 80:20 independent joint venture formed between CapsulCN and HUADACN.

The CapsulCN brand markets and sells our empty capsules and capsule filling machines, making it easy for companies of all sizes to create their products. We share HUADACN's commitment to providing quality machines and excellent customer service, including design services and consultation as customers select equipment options.



iPharmachine (www.ipharmachine.com), which launched in 2013, caters to customers looking for small to medium size pharmaceutical machines. We have 3 factories where we can produce all sorts of both whole solid and liquid production line pharmaceutical machinery, including capsule filling machines, tablet pressing machines, blister packing machines, film coating machines and bottling lines among others.

## Our Services



### Customer Service

CapsulCN offers a wide range of exceptional customer services, such as design services, consulting, equipment qualification, and more.



### Training Service

CapsulCN provides training services for customers to ensure that new or existing equipment remains in optimal operating condition, promoting a longer life cycle.



### Technical Supports

CapsulCN's team of experienced engineers provides free technical services as needed.



### Validation Services

CapsulCN offers a complete documentation set in compliance with cGMP, including IQ/OQ in English as per the customer's requirements.



### Maintenance Services

CapsulCN offers a portfolio of exceptional after-sales services that are tailored to meet the unique needs of our customers.



### Other Services

CapsulCN can provide any other services based on the detailed requirements of the client.

## Capsules Offered



Gelatin Capsules



HPMC Vegetarian Capsules



Pullulan Vegetarian Capsules



Enteric Coated Gelatin Capsules



Enteric Coated Veggie Capsules



TiO2-free Capsules



Pearl Capsules

## Certification



## Automatic Capsule Filling Machine NJP-D Series



The NJP-D series of capsule fillers are fully automated machines that offer enhanced productivity and efficiency, greatly reducing the labor costs involved in filling capsules.

All of the capsule fillers benefit from advanced engineering that allows for accurate dosing of the capsules, as well as an LCD touch screen panel that gives the operator quick and easy control over the machine's key parameters.

These versatile capsule fillers are able to fill a wide range of capsule sizes, using either powder, granules, or pellets. They are easy to clean and to maintain and have been engineered using high-quality Japanese manufactured precision bearings to ensure excellent performance and a long service life. They also run with CE-approved electronics for safety and reliability.

### Main Benefits

- Powder filing system is very high filling accuracy.
- The fully enclosed design of the split and capsule feeding system prevents capsules which fall into the capsule transfer chamber inappropriately and ensures smooth operation of the capsule.
- The capsule-type rejection system effectively protects the filled capsules from breaking by the machine.
- And ultra-precision integrated rotary table has a similar small size, light weight load, long life, three years of free oil maintenance and so on.

### Specifications

Model	NJP-1200D	NJP-3000D	NJP-4000D
Max Capacity	72,000pcs/h	180,000pcs/h	240,000pcs/h
Suit for Capsule Size	00#-5# and safety capsule		
Segment Bores	9	21	29
Power	7kw	11kw	12kw
Voltage	380 / 220V 50 / 60Hz		
Noise	<70dB		
Machine Dimensions	980*980*2100mm	1610*1210*2180mm	1950*1260*2380mm
Net Weight	1000KG	2200KG	2800KG



## Automatic Capsule Filling Machine NJP-C Series



The NJP-C series of capsule fillers are fully automated machines that offer enhanced productivity and efficiency, greatly reducing the labor costs involved in filling capsules.

In order to meet the requirements of the pharmacy machine's development, we design and produce a fully enclosed automatic capsule-filling machine on the basis of the former NJP-series machine. This machine's structure, power supply controlling, vacuum and aspirate system are all ameliorated innovatively.

With the patent technology of totally enclosed patent technology in the working table, it solves the inconvenience of dismantling and washing moulds, and the problem of adjusting mould assembly precision. (Patent No.: ZL 99 2 54535.8)

### Main Benefits

- cGMP design with emphasis in powder dust handling: Enclosed main turn table avoid dust getting into mechanical parts.
- Automatic control for capsule and powder supply.
- PLC control for reliable operation. Touch Screen HMI, featuring user friendly controls: production counter, manual / automatic / parameter setup modes, alarms.
- Precision capsule segments and dosing disk minimizes adjustments following parts changeover.
- SS 304 stainless steel frames and transparent safety interlock guards.

### Specifications

Model	NJP-800C	NJP-1200C	NJP-2000C	NJP-3500C
Max Capacity	48,000pcs/h	72,000pcs/h	120,000pcs/h	210,000pcs/h
Suit for Capsule Size	00#-5# and safety capsule			
Segment Bores	6	9	18	26
Power	380V,50Hz,5.05kw	380/220v,50/60Hz,6kw		
Noise	<75dB			
Dimensions	1080*1240*1930mm	1180*1340*1980mm	1500*1350*2100mm	1386*1156*2100mm
Net weight	800 kg	1000 kg	1600 kg	2500 kg

## Automatic Capsule Filling Machine SFK Series



The SFK Series Capsule Filling Machine is a versatile and reliable machine designed for filling capsules with various materials such as powder, pellets, and granules. It is ideal for use in the health and nutrition market as well as the pharmaceutical industry. With its high efficiency, easy operation, and simple cleaning and maintenance, it offers an excellent cost-performance ratio. The SFK Series Capsule Filling Machine can handle nutraceutical products like herbs and vitamins, as well as pharmaceutical products like powder, pellets, or granules. It can even accommodate special products with unique properties such as being fluffy, sticky, abrasive, or fibrous. Overall, this machine is a great investment for those looking to increase productivity and meet the growing demand for high-quality capsule filling.

### Highlights of SFK machines:

- Patented slide gate technology as an option. With this system, free-flowing granulates can be dosed in a very gentle manner. Additionally, slide-gate technology can provide production flexibility by providing the ability to fill powders and pellets using the same station, thereby also reducing capital costs.
- Filling Accuracy:  $\pm 3\%$  depending on powder characteristics.
- Height-adjustable dosing disk as an option.
- Parts are interchangeable with your current Bosch GKF Machine.



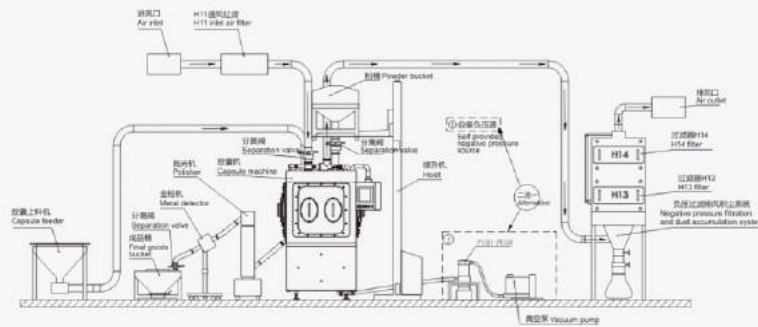
### Specifications

Model	SFK-700	SFK-1500	SFK-2500	SFK-3000
Max Capacity	42,000pcs/h	92,400pcs/h	151,200pcs/h	176,400pcs/hour
Suit for Capsule Size	00#-5#			
Segment Bores	5	11	18	21
Power	8.5kw	10kw	10kw	10kw
Machine Dimensions	951*1551*2155mm		2020*1276*2343mm	

## Automatic Capsule filling machine SFK Containment Series



This is a capsule filling machine with a closed system for the treatment of highly effective drugs, allowing it to be completely isolated from active substances during operation, maintenance and equipment cleaning. The device does this by adopting a series of automated processes and providing a true isolation scheme. It is a capsule-filled closed preparation production line of highly active drugs that the interaction between the various components of the device is simply realized in the isolated area.



### • Specifications

Model	SFK403	SFK703	SFK1503
Output	25,200pcs/h	42,000pcs/h	92,400pcs/h
Segment Bores	3	5	11
Suitable for Capsule	00#-5#		
Closed Size	1200*1410*2086mm		
Expand Size	3002*1410*2086mm		
OEB Level	OEB 4		

## Semi-auto Capsule Fillers JTJ Series



JTJ-V Pro 5, Semi automatic, stainless steel, powder or pellet capsule filler. Rated from 15,000 to 50,000 capsules per hour - depending on materials, application and operator dexterity. Equipped with capsule ring holder, capsule hopper, magazine, agitated product hopper, pneumatic closing system and vacuum pump. Control panel has touch pad controller with panel view and start, Emergency stop push buttons. Mounted on stainless base frame with casters.

The operator simply loads empty capsules into the metal hopper, and the machine inserts them into the filling plate. The machine's vacuum mechanism then separates the top and bottom part of each capsule, ready for filling with dry powder or granular material that is stored in a separate hopper. The operator locates the bottom half of the filling plate, complete with empty capsule halves, into the filling section of the machine. The capsules are automatically filled with the correct dose of powder, which is set through a continuously variable control. The operator then places the plate containing the filled capsules into the sealing section of the machine, where compressed air inserts the capsule lids into place and forces them tightly closed.

Capable of handling capsule sizes: 000, 00 and thru 4 with proper change parts.

### Main Benefits

- Dual Loading to increase production capacity.
- Automatic Spin and Separation.
- No pinch points in closing station.
- Access panels.
- Pneumatic closing station for integration of capsule finishing equipment.
- Guards and proximity switch on closing station.
- Rectifier guard interlocks.
- CE Approved.

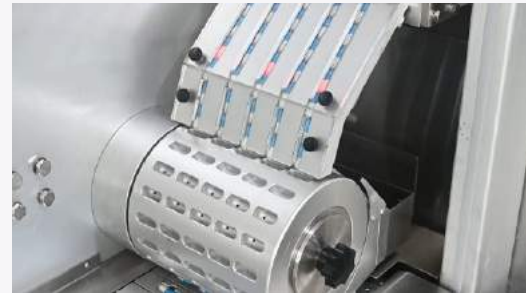
### • Specifications

Model	JTJ-V Pro 5
Output	50,000 pcs/h
Applicable Capsules	000#, 00E#, 0E#, 00#, 0#, 1#, 2#, 3#, 4#
Total Power	4 kw
Vacuum Pump(evacuation rate)	40m <sup>3</sup> /h
Air Pressure	0.03m <sup>3</sup> /min, 0.7MPa
Dimensions(L*W*H)	1140*700*1630mm(L*W*H)
Whole Weight	330kg



# Automatic Liquid Capsule Filling and Banding Machine

We not only provide capsules that cater to the requirements of solid oral dosage form production but also have our own range of capsule filling and sealing products.



The LiCaps 500 Two-Piece Hard Capsules Liquid Filling and Band Sealing Line is equipped with a German liquid pump and a Japan Yaskawa servo feeding system. The closed turntable design ensures a measuring precision within  $\pm 1.5\%$ . This machine can fill various types of liquids and pastes, making it a high-precision, cGMP compliant, development-scale machine that automatically fills and seals two-piece capsules.



On the other hand, the CSF-500 Hard capsule sealing machine has improved the stability of drug products by preventing leaks from capsules filled with oily drugs, preventing drug oxidation, and having a deodorizing effect. It enables high-precision sealing of hard capsules, allowing the manufacturing of drugs with excellent physical stability.



# More Choices Are Available



JTJ-V Vertical Type  
7,000- 10,000 pcs/h



JTJ-V Horizontal Type  
10, 000-15, 000 pcs/h



JTJ-V Pro+  
30, 000-50, 000 pcs/h



JTJ-V for Liquid Filling  
5, 000-15, 000 pcs/h



NJP-400C  
24,000 pcs/h



NJP-800C  
48,000 pcs/h



NJP-1200C  
72,000 pcs/h



NJP-2000C  
120,000 pcs/h



NJP-3500C  
210,000 pcs/h



NJP-7500C  
450,000 pcs/h

## Manual Capsule Filler



The CN-100M is designed for individuals or organizations who want to create their own supplements at home or test and develop new concepts in the early stages of research and development.

The CN-100M has the ability to produce batches of 100 capsules at a time. It is cost-effective and free to run, with no ongoing running costs. The CN-100M is just a fraction of the price of a high-output capsule filler, making it more affordable than ever to turn your ideas into real capsules that can be tested, improved upon, or even sold.

The CN-100M is the perfect tool to get started on a project without investing thousands of dollars or spending valuable time learning how to use a more complicated machine. If you have at least one project you've been on the fence about starting, the CN-100M is the solution that allows you to get started quickly and easily.

### Main Benefits

- Raw material is imported acrylic which is healthy, good transparency, durable, low weight.
- The screws & pins are made of stainless steel and meet the hygiene requirement GMP standards.
- The cap sheet adopt one-layer design and polished angles to prevent bleeding.
- The middle sheet adopt special flute design of high precision, which can avoid the breakage of capsules when joining them.
- The body sheet adopt the specially-dealt screws and springs, which can make no noise when pressing downwards. The detachable and undetachable body sheet is optional.
- The encapsulation sheet adopt special design, which can increase the speed of capsules collection.
- The tamping tool is design to one-layer ,angles and pins being polished.
- The powder guard with a U-design powder guard to avoid loss of powders.



## Bench-top Counting Machines

We also offer a range of bench-top tablet Counting machine that accurately count coated or uncoated tablets and pills, capsules or softgel capsules. Tabletop Tablet/Capsule Counter can be used to fill in plastic bags and bottles to meet different industries needs.



**HD-100**  
500-1500pcs/min



**CDR-5A**  
500-1500pcs/min



**CDR-3A**  
1000-2000pcs/min



**YL-4B**  
2000-4000pcs/min



## Capsule Polishing Machine



Vertical capsule polishers have become the norm in pharmaceutical and supplement manufacturing processes. The vertical structure guarantees maximum production output, thanks to the upward conveying design. This design allows the use of metal detectors, empty capsule sorters, and diverter switches without any reduction in production. The customizable vertical height provides ultimate flexibility for final product storage.

<b>Model</b>	<b>LSV-C100</b>
<b>Max. Output</b>	<b>600,000 pcs/h</b>
<b>Height &amp; Dimension of Inlet</b>	<b>Height: 800mm Dimension: 300*250mm</b>
<b>Height &amp; Dimension of Outlet</b>	<b>Height: 1040mm Dimension: 65*50mm</b>
<b>Compressed Air Flow</b>	<b>0.3 m<sup>3</sup>/min</b>
<b>Compressed Air Pressure</b>	<b>0.3 Mpa</b>
<b>Vacuum Cleaning Pressure</b>	<b>0.02Mpa</b>
<b>Rated Power</b>	<b>200W</b>
<b>Working Voltage</b>	<b>220V/110V, 50/60Hz</b>
<b>Dimension (L*W*H)</b>	<b>500*841*1458mm</b>
<b>Weight</b>	<b>80KG</b>

### • Available Options:



Horizontal  
Capsule Polisher



Vertical  
Capsule Polisher



Integrated with  
metal detector

## Uphill Tablet Deduster

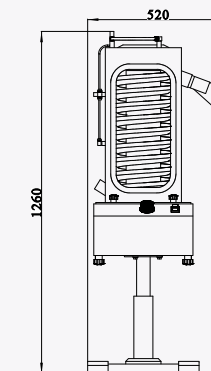
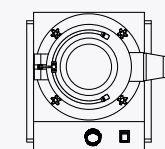


Uphill Tablet Sieving Machine SZS230 is developed by absorbing advanced technology at home and abroad. It has the dual functions of lifting tablets and removing dust. so that it can work in conjunction with various tablet pressing machines and metal detection machines. This machine can be applicable in the field of pharmaceutical industry, food industry, chemical engineering, electronics, and so on.

In the design process, the machine adopts several novel designs, aiming to ensure that the production process can be safer and more standardized.

### Main Benefits

- Long dedusting path, automatic tablet polish on all sides and good dedusting effect without damaging tablets.
- Utilized as conveying equipment for flake, block and granular solid preparation. products requiring automatic dust removal.
- In conformity with the GMP requirements.
- Extremely low noise.
- Easily dismantled for thorough cleaning.
- Easy maintenance.
- Reliable operation.



### • Specifications

<b>Model</b>	<b>SZS230</b>
<b>Production Capacity (pcs/h)</b>	<b>800,000 (φ6mm tablet)</b>
<b>Power (W)</b>	<b>150</b>
<b>Dedusting Distance (m)</b>	<b>6</b>
<b>Max. Tablet Diameter. (mm)</b>	<b>φ25</b>
<b>Power Supply</b>	<b>220V/110V, 50Hz/60Hz, 1P</b>
<b>Compressed Air</b>	<b>0.1 m<sup>3</sup>/min~0.5MPa</b>
<b>Vacuum Cleaning</b>	<b>2.7 m<sup>3</sup>/min~0.1MPa</b>
<b>Noise (dB)</b>	<b>&lt;75</b>
<b>Dimension (mm)</b>	<b>500*550*1350-1500</b>
<b>Weight (kg)</b>	<b>70</b>



## Rotary Tablet Press ZP Series



The ZP tablet press is a powerful rotary tablet press that enables users to produce high volumes of quality tablets. With its clean design, high output, and advanced safety features, there are few presses that can compete with its price point. The easy-to-use design of the ZP rotary tablet press from CapsulCN Machines means that you can start producing tablets in no time.

The ZP rotary tablet press was designed with our customers in mind, with quality and efficiency at the forefront. It boasts a maximum tablet output of 16,200 tablets per hour which means you can maintain shorter run times and meet your production targets. The ZP is made from stainless steel to meet GMP requirements and provide a rust-free and clean experience. This rotary press is equipped with door and safety sensors, as well as a perspex cover to ensure operator safety at all times.

Ideal for users who need fast and professional production of tablets from granular or powdered materials, the ZP rotary tablet press is particularly popular with customers in the supplement and confectionery business.

### Main Benefits

- This machine is applicable (within the scope of the pressure of the machine) to granular raw materials with the contents of powder (with the size being above 100 mesh) not to be more than 10%.
- This machine is applicable to pressing engraved or non-engraved round tablets with the diameter being between 5 and 20mm.
- This machine is not applicable to semi solids, wet granules, raw materials with a low melting point or easy to get wet or non-granular powder.
- It is mainly used for the production of tablet in pharmaceutical industry.

### • Specifications

Model	ZP-5A	ZP-7A	ZP-9A	ZP-5B	ZP-7B	ZP-9B
Number of Stations	5	7	9	5	7	9
Max. Production Capacity/Hour	9,000	12,600	16,200	9,000	12,600	16,200
Max. Compression Force (kN)	40	40	40	60	60	60
Max. Diameter of Tablet (mm)	12	12	12	20	20	20
Max. Fill Depth (mm)	15	15	15	15	15	15
Max. Thickness of Tablet (mm)	6	6	6	6	6	6
Max. Turret Speed (r/min)	30	30	30	30	30	30
Number of Filling Stations	1	1	1	1	1	1
Dimensions (mm)	400*580*1000			480*630*1100		
Weight(kgs)	210			320		

## Rotary Tablet Press ZP Series



The ZP tablet press is a sophisticated and beautifully engineered machine that offers the ultimate in safety, speed, and features. With its 4 kW motor, 80 kN of available pressure, and optional two-color capacity, this press can produce tablets up to 12 mm in diameter with carved characters or motifs. It also has semi-automatic lubrication, fast production, and all electronic controls. This tablet press is ideal for major manufacturers in the pharmaceutical, chemical, and food technology industries. It can produce around 180,000 tablets an hour, making it a true mass production unit.

The ZP tablet press was designed with thoroughness and attention to detail, with a focus on improving speed and efficiency while minimizing downtime. Its GMP-compliant stainless steel manufacture and special refinements reduce powder wastage and maintenance, making it an ideal choice for mass producing pharmaceutical quality tablets at a competitive unit cost. With the ability to produce large quantities, even the largest manufacturers can meet their demands with ease.

### Main Benefits

- This machine is applicable (within the scope of the pressure of the machine) to granular raw materials with the contents of powder (with the size being above 100 mesh) not to be more than 10%.
- This machine is applicable to pressing engraved or non-engraved round tablets with the diameter being between 5 and 25mm.
- This machine is not applicable to semi solids, wet granules, raw materials with a low melting point or easy to get wet or non-granular powder.
- It is mainly used for the production of tablet in pharmaceutical industry.

### • Specifications

Model	ZP-15	ZP-17	ZP-19	ZP-29	ZP-31	ZP-41
Number of Stations	15	17	19	29	31	41
Max. Production Capacity/Hour	31,500	37,000	42,000	121,800	130,200	172,200
Max. Compression Force (kN)	60	60	60	80	80	80
Max. Diameter of Tablet (mm)	22	20	13	25	25	13
Max. Fill Depth (mm)	15	15	15	15	15	15
Max. Thickness of Tablet (mm)	6	6	6	6	6	6
Max. Turret Speed (r/min)	35	37	37	35	35	35
Number of Filling Stations	1	1	1	2	2	2
Dimensions (mm)	615*890*1415			1230*950*1670		
Weight(kgs)	800			1700		

## High Speed Tablet Press GZPK Series



Depending on the model chosen the GZPK tablet presses can produce tablets of up to 25 mm diameter and up to 20mm thickness. They are very powerful machines, using a 380v 3-phase power supply to run an electric motor which enables them to generate a maximum of 100KN pressure, plus 20KN of pre-pressing pressure. With between 26 and 40 filling stations and a production rate of between 170,000 and 260,800 tablets an hour, the GZPK Series tablet presses are aimed squarely at large scale manufacturers in the pharmaceutical, chemical and related industries.

### Main Benefits

- Advanced yet highly intuitive LCD display touch screen control panel for easy programming, adjustment, and control.
- Pre-Compression function with up to 20KN: Its main function is to compress the powder mixture in the die cavity before the main compression stage. This helps to remove any air pockets or voids in the powder mixture, resulting in a more uniform and consistent tablet.
- Over-pressure cut out mechanism to avoid damage to punches.
- Unqualified tablets sorter.
- Forced feeder ensures accurate dosing and better raw material efficiency.
- Automatic lubrication system for efficient maintenance and enhanced reliability.
- Sealed compression chamber with integral powder suction device reduces risk of contamination, reduces raw material wastage, and avoids blockages: Clean the powder in the turret, punch guide, and compression chamber.
- Organic glass turret shield improves operator safety and avoids cross contamination.
- Inverter technology for reduced energy consumption, improved stability, better control and lower noise.
- Safety cut out mechanism and warning messages triggered if error conditions occur, including loose guide rails, loose punches, or low oil.

### • Specifications

Model	GZPK-26	GZPK-32	GZPK-40
No. of Station	26	32	40
Capacity (tablets/h)	Max.	160,000	210,000
	Min.	30,000	30,000
Rotation speed (rpm)	Max.	102	105
	Min.	11 rps/min	11 rps/min
Max. Tablet Diameter	Φ25	Φ16	Φ13
Main Pressure	100KN	80KN	80KN
Pre-pressure		20KN	
Max. Filling Depth	20mm	16mm	16mm
Dia. of Die (mm)	38.1	30.16	24.01
Length of Punch		133.6mm	
Main Motor Power	11KW	7.5KW	7.5KW
Dimension	1530*1170*1950mm		
Net Weight (kg)	2000		

## Perforated Film Coating System

Pharmaceutical companies commonly use two main processes for coating tablets and capsules: film coating and sugar coating. Sugar coating is an older, more complex process involving six steps, including sealing the tablet core, sub coating, smoothing, coloring, polishing, and printing. On the other hand, film coating involves a single step process in which a polymer coating is sprayed onto the medicine inside a rotating cover, followed by drying and removal of excess solvent. The resulting thin film of coating remains on the pellets.



### Main Benefits

- In compliance with cGMP guidelines.
- Pan with Sanitary Design.
- Excellent tablet rolling welded baffle.
- Spraying system with peristaltic pump and solution tank (Optional).
- Adjustment Of Spray Guns (Optional) & Quick dismantle.
- Effective coating of tablets.
- Adjustment angle of pan.



### • Specifications

Model	BG-80E	BG-150E	BG-260E	BG-600E
Max. Tablet Volume	80L	150L	260L	600L
Coating Drum Dia.	Ø 930	Ø 1200	Ø 1360	Ø 1580
Feed Inlet Dia	Ø 380	Ø 475	Ø 475	Ø 570
Coating Drum Speed	1-19r.p.m	1-16r.p.m	1-16r.p.m	1-12r.p.m
Motor of Main Machin	1.5kw	2.2kw	2.2kw	5.5kw
Motor of Exhaust Cabinet	3kw	5.5kw	5.5kw	11kw
Exhaust Blower Air Flow	5268m³/h	7419m³/h	7419m³/h	15450m³/h
Motor Hot Air Cabinet	1.1kw	1.5kw	2.2kw	5.5kw
Air Heater Air Flow	1685m³/h	2356m³/h	3517m³/h	7419m³/h
Air Heater Temp.-adj. Range	~80°C			
Hot Sir Cleanness Level	10level			
Syrup Pump Power Consumption	0.55kw			
Silicon Rubber Hose	φ9-φ16mm			
External Dimensions of Host Machine	1210*1000*1900	1570*1260*2250	1730*1440*2170	2000*2277*2660
Host Machine Weight	684kg	1020kg	1300kg	2800kg
External Dimensions of Hot Air Cabinet(mm)	900*800*2050	900*800*2050	1000*900*2300	1600*1100*2350
Hot Air Cabinet Weight	380kg	351kg	421kg	820kg
External Dimensions of Exhaust Cabinet(mm)	900*820*2130	950*950*2245	950*950*2245	1050*1000*2470
Exhaust Cabinet Weight	425kg	536kg	536kg	660kg



# Different Types Of Mixers And Blenders



## Checkweigher

Our range of high-speed checkweighers is designed to ensure that your products comply with label weight regulations and reduce product giveaway.

By using our check weigher solutions, you can avoid missing items in packaging, which can lead to customer complaints. This will help you speed up production and minimize your product giveaway, ultimately increasing your bottom line.

## Tablet & Capsule Metal Detector

Our metal detection systems for pharmaceuticals offer a complete "inspect and reject" solution for tablets, capsules, and powdered APIs during production. These metal detectors are designed to make compliance easier by detecting and rejecting metal particles smaller than 0.3mm in diameter! Their compact and low-profile design allows them to fit into smaller spaces in your factory, while their sturdy and high-quality construction guarantees long-term reliability.



## Cone Blender



## Ribbon Blender



## 3D Motion Blender

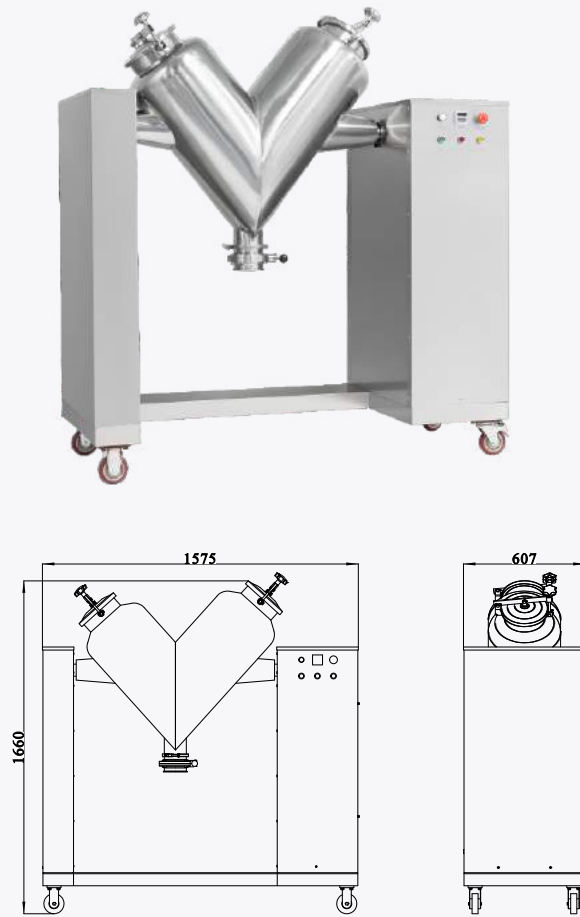


## Powder Mixers V Series

V blenders are widespread in the process industries as they provide an easy and often sufficient way of mixing dry bulk solids (powder, granules, pellets...) in batch. They are simple, reliable and somehow easy to clean, thus constitute a good choice for small and medium size companies working in fields of food processing or pharmaceuticals. They can also be used for pre-mixing in any kind of industries, big or small.

V blenders can be used to mix dry bulk solids. They are particularly used in the following applications :

- Food processing : premixing, cereals, coffee mixes, dairy powders, vitamin complements, soup, spices...
- Pharmaceuticals : mixing prior to granulation.
- Plastics : mixing of masterbatches, mixing of pellets.
- Chemicals : metallic powder mixtures, minerals.
- Construction : steel pre blends.



### • Specifications

Model	V-50	V-100	V-200	V-300
Volume	50L	100L	200L	300L
Max. Filling Capacity	20L	40L	80L	120L
Best Filling Capacity	14L	28L	56L	84L
Power	0.75KW	1.1KW	1.5KW	1.5KW
Rotational Speed	20r/min	15r/min	15r/min	15r/min
Dia. of Barrel	Φ300mm	Φ350mm	Φ450mm	Φ500mm
Dia. of Inlet	Φ160mm	Φ250mm	Φ300mm	Φ350mm
Dia. of Outlet	Φ80mm	Φ80mm	Φ100mm	Φ100mm
Dimensions(mm)	1350*450*1160	1900*800*1190	2010*850*1440	2220*900*1470

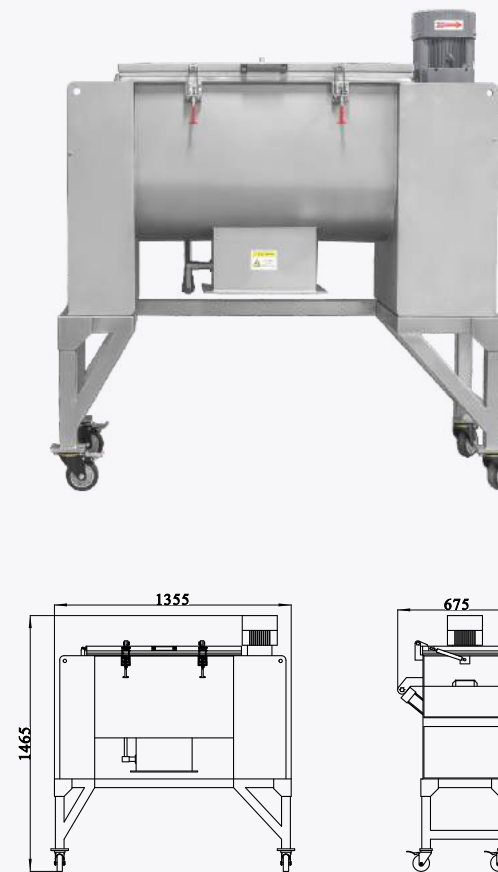
## Ribbon Blender WLDH Series

The WLDH Series Ribbon Blender is a range of five highly efficient and thorough ribbon blenders designed to mix dry or wet materials with the degree of homogeneity needed for demanding applications in industries such as pharmaceuticals, chemicals, and foodstuff. These GMP-compliant mixers are engineered to avoid dead spots, ensuring high consistency and have stainless steel mixing tanks that can handle many corrosive or reactive raw materials. With their ability to achieve high levels of homogeneity, these mixers are an ideal choice for any industry that requires efficient and effective mixing of dry or wet materials.

The WLDH Ribbon Blenders offer fast, high-capacity blending with sealed blades that can handle wet or dry materials. They have reliable motors that are easy to maintain, and a tiltable mixing tank and electric discharge pump that make them easy to empty. Large tank doors make it easy to clean inside the stainless steel tank and blade, ensuring hygiene and durability. With reliable transmission mechanisms, these mixers are effective solutions for almost any industrial mixing need.

### Main Benefits

- They have strong, reliable transmission mechanisms for years of trouble-free use and are available in a range of capacities, each with powerful, rugged motors.
- These mixers are resistant to caustic materials to avoid color change, damage, or chemical reactions.
- They're also easy to clean, with easy access for cleaning, assuring excellent hygiene and avoiding product cross-contamination.
- With their tilting mixing tank and electric discharge pump, they're easy to use and empty.



### • Specifications

Model	Total Volume(L)	Load Coefficient	Power(KW)	Dimensions(mm)	Weight (kg)
WLDH-100	100	0.4-0.8	3	1190*740*770	330
WLDH-300	300	0.4-0.8	4	2030*630*980	720
WLDH-500	500	0.4-0.8	7.5	2320*730*1130	980
WLDH-1000	1000	0.4-0.8	11	2800*920*1320	1700
WLDH-1500	1500	0.4-0.8	11	3180*1020*1550	1800
WLDH-2000	2000	0.4-0.8	15	3310*1120*1640	2100
WLDH-3000	3000	0.4-0.8	18.5	3750*1290*1820	3000
WLDH-5000	5000	0.4-0.8	22	4220*1500*2100	4620
WLDH-10000	10000	0.4-0.8	45	5520*2960*2720	8920



## Pharma IBC Blending System HTD Series



HTD series Bin Blender can automatically finish the whole process of clamping, lifting, mixing and falling, etc. Equipped with one set of HTD series Bin Blender and applying some different models of bins, pharmaceutical enterprises can satisfy with the mixing demands of large output and diversity products. It's the desirable final mixing equipment for pharmaceutical factories. Meanwhile, it can be widely used in such areas as raw medicine material industry, chemical industry, foodstuff industry, etc.

HTD series Bin Blender consists of shelf, rotary frame, driving system, lifting system, braking system and PLC control system, etc. To start to work, put the bin into the rotary frame, and press the confirmation button on the touch screen. The bin is then lifted to the required height and clamped. The driving system starts to work and mix according to time and speed assigned in advance after the pressure sensors receive signal of tightly clamped. Reaching to the parameters assigned, the braking system starts to work and the rotary frame stops vertically. The mixing craft is over. The lifting system then works accordingly to lay down the bin. Pull the bin out from the rotary frame (can also separate materials from the bin directly in the frame) and the printer types the entire craft data. The working cycle finishes. The structure trait of HTD series Bin Blender is that the rotary frame (bin) and the mixing axis make of an angle, the movement of the materials inside the bin contains not only overturn, but tangent movement along the wall of bin. This gains it a perfect mixing efficiency effect.

### • Specifications

Model	Bin Size (L)	Net Load (L)	Blending speed (rpm)	Power(Kw)	Lifting Power(Kw)	Weight (kg)
HTD-50	50	25	3-25	1.1	1.1	700
HTD-100	100	50	3-25	1.1	1.1	800
HTD-200	150	100	3-20	1.5	1.5	1000
HTD-300	300	150	3-20	2.2	2.2	1300
HTD-400	400	240	3-20	2.2	2.2	1400
HTD-500	500	250	3-15	3	2.2	1500
HTD-600	600	330	3-15	3	2.2	1700
HTD-800	800	400	3-15	4	2.2	1900

## Roller Compactor Dry Granulation ZKG Series



Rolling compactor is a new type of pharmaceutical equipment developed in recent years in the world. It is widely used in pharmaceutical, chemical, food and other industrial production.

The raw material is directly dried and dry extruded into granules using only the crystallization water of the material itself. It not only simplifies the process but also improves the quality of the product.

At present, the models produced internationally can be basically divided into two types: high pre-compaction type and low pre-compaction type. In terms of appearance, it can be divided into closed and open types.

In terms of yield, it ranges from 5 kg per hour to 100 kg per hour. What we introduce here is our company's third generation product Rolling Compactor-100. It is a high pre-compaction type and a closed general-purpose machine applicable for pharmaceutical production and chemical and food industries.

### Main Benefits

- A feeding system, which conveys the powder to the compaction area between the rollers.
- A compaction unit, where the powder is compacted between two counter rotating rolls by applying a force, to form ribbons or flakes.
- A size reduction unit, for milling the ribbons into granules of the desired particle size.
- GMP and CE Compliant. Stainless steel structure. Robust and compact design.
- PLC control system with HMI.
- Fully sealed operation. Zero cross-contamination and pollution.

### • Specifications

Model	ZKG-10	ZKG-50	ZKG-100
Max Production Capacity (kg/h)	5-10	10-40	50-100
Granule Specification (mesh)	20-80		
Granule Specification (mm)	2-0.18		
Maximum Thrust	10T	20T	21T
Roller Size (mm)	φ 100*35	φ 150*65	φ 200*80
Roller Rotating Speed (rpm)	0-20		
Feeding Speed (rpm)	0-30		
Granulation Speed (rpm)	60-180		
Max. Oil Pressure (Mpa)	10	12	15
Feeding Motor Power (kw)	0.55	0.75	1.5
Pinch Roller Motor Power(kw)	1.5	3.7	5.5
Granulation Motor Power (kw)	0.55	1.1	2.2
Total Power (kw)	2.7	6	9.5
Overall Dimension(mm)	1000*800*1700	1160*1000*1750	1500*1100*2180
Weight (KG)	350	500	1350

## Wet Granulation and Mixing CSG Series



Wet granulation is a process where powders are combined using adhesives instead of compacting as in dry granulation. The adhesive, also known as a binder, is mixed in a liquid solution or suspension, which should be non-toxic and preferably water. Other solvents like propan-2-ol and ethanol may also be used. The granulation liquid is added to the powder using an impeller, screws, or air. Agitation of the particles with the liquid produces bonding between the primary powder particles to form wet granules. The final step is evaporating the solution, leaving the original powder particles bound together with the adhesive binder. The granules can be milled to the desired dimensions.

### Main Benefits

- Axial of Agitator and Chopper: Both have double sealing structure: tenon packing and air sealing over it. It prevents the axles from the inflow of the powder and other particles. Washing of the air sealing tube is possible.
- Impeller: The surface is specially polished so that it can prevent powder sticking. Separable impellers are simple in construction and come to be disassembled and re-assembled easily and quickly.
- Chopper Device: Chopper shaft is connected straight with driving motor. It reduces vibration and noise.
- Binder Feeding Device: Binder is fed in the way of down-fall from the tank placed on the top of the vessel. feeding quantity is controlled by opening and shutting valve with the handle.

### Specifications

Model	CSG-100	CSG-300	CSG-600
Hopper Volume (L)	100	300	600
Working Volume (L)	25-80	80-240	150-480
Material Feeding (kg/batch)	15-40	30-120	75-220
Mixing Time(min)	2	5	8
Granulation Time(min)	7-14	3-15	15-20
Granule Size(mm)	0.14-1.5		
Mixing Motor(kw)	7.5	18.5	30
Rotating Speed of Mixing Paddle(rpm)	30-300	30-220	30-200
Granulating Motor(kw)	3	7.5	11
Rotating Speed of Granulating Paddle(rpm)	50-3000		
Machine Dimensions(mm)	1760*600*1660	2420*1060*2150	2980*1200*2500
Machine Weight(kg)	800	1600	2300

## Fluid Bed Dryer Machine



This system consists of a main processor, an air handling unit (AHU), heating system, and control systems. To operate, load the materials into the FBD Bowl, configure the procedure and parameters based on the process requirements, and then start the processor. The inlet air undergoes filtration in the AHU and heating by the heating system before entering the processor to fluidize the materials. The materials are rapidly dried and the moisture is vaporized. Upon completion of the operation as per the configured procedure and parameters, transfer the FBD Bowl to lock with the NTF Series FBD/FBG Bowl Post hoist for lifting and discharging the granules produced. Throughout the process, effective control of powder dust and cross pollution is maintained.

### Main Benefits

- Drying machine guarantee fast and homogeneous drying.
- Air handling unit (AHU) part, first filter, secondary filter and HEPA filter, high degree of automation.
- FBD has two filter chamber, hot air takes away moisture quickly.
- Fluidized bed drier has high expansion ratio and enough fluidization space.
- Use high-pressure fan, through negative pressure form, quickly bring heat to come over.
- Fluidized bed drying is suitable for heat sensitive products.

### Specifications

Model		FG60	FG120	FG200	FG300	FG500	
Materials Bowl Volume	L	250	420	670	1060	1500	
Production Capacity	Kg/batch	60	120	200	300	500	
Steam	Pressure	Mpa 0.4~0.6					
	Consumption	Kg/h	166	213	405	686	400
Compressed Air	Pressure	Mpa 0.45~0.6					
	Consumption	Kg/h	1	1	1	1.8	1.5
Fan Power		Kw	18.5	18.5	30	45	55
Outline Dimensions	W	mm	1460	1650	1890	2090	2300
	H	mm	3865	3900	4520	4850	5450
	L	mm	1000	1200	1400	1600	1800



## Semi-auto Gummy Candy Production Line

This processing line is an advanced continuous equipment for producing candies of different sizes. It is an ideal equipment for producing high-quality products and saving manpower and space.

**Cooking Kettle — Servo Depositor — Pneumatic Demolding**

### • Depositor



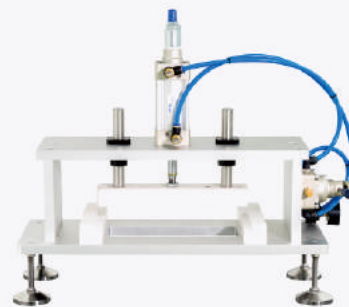
### Main Benefits

- **Output: 6000-10000 gummies/hr.**
- Entry-level operations or experimental and development work in larger operations.
- It deposits a high quality, smooth product with a consistent size and shape, and high piece weight accuracy.
- The hygienic, starch-free process is ideal for pharmaceutical products where validation is required.
- Vitamins, minerals, CBD, fibre and energy supplements can be incorporated and can be sugar-free and less than 1% fat.

### • Cooking Tank

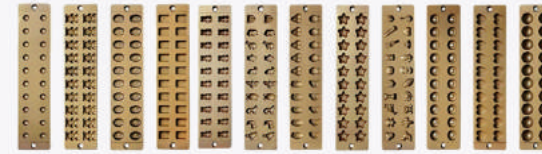


### • De-molding



## Automatic Gummy Production Line

Our gummy production lines are designed to bring your ideas to life with precision and efficiency. The hoppers with servo-drive technology allow for customizable flavor and color options with a variable feed speed peristaltic pump. Our dual-color gummy systems provide even more flexibility for your business needs. Additionally, our production lines are equipped with de-molding devices, PLC controls, LED touch panels, and other features to ensure optimal performance. Trust us to bring your gummy vision to fruition.



### Main Benefits

- PLC control system.
- LED touch panel for easy operating.
- Specially designed de-moulding device.
- Different shapes be made via change-over of moulds.
- In-line injection, dosing & pre-mixing for proportional addition of liquid.
- Dosing pump for automatic injection of colours, flavours and acids.
- Available for one colour, two colours jelly candies.
- Sanitary construction.
- Deposited hard candies can be produced on the same line by changing moulds.

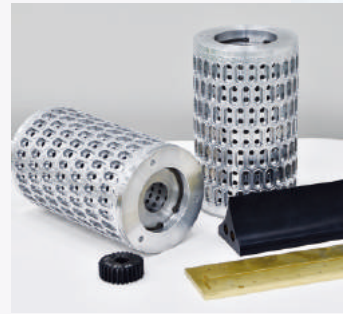
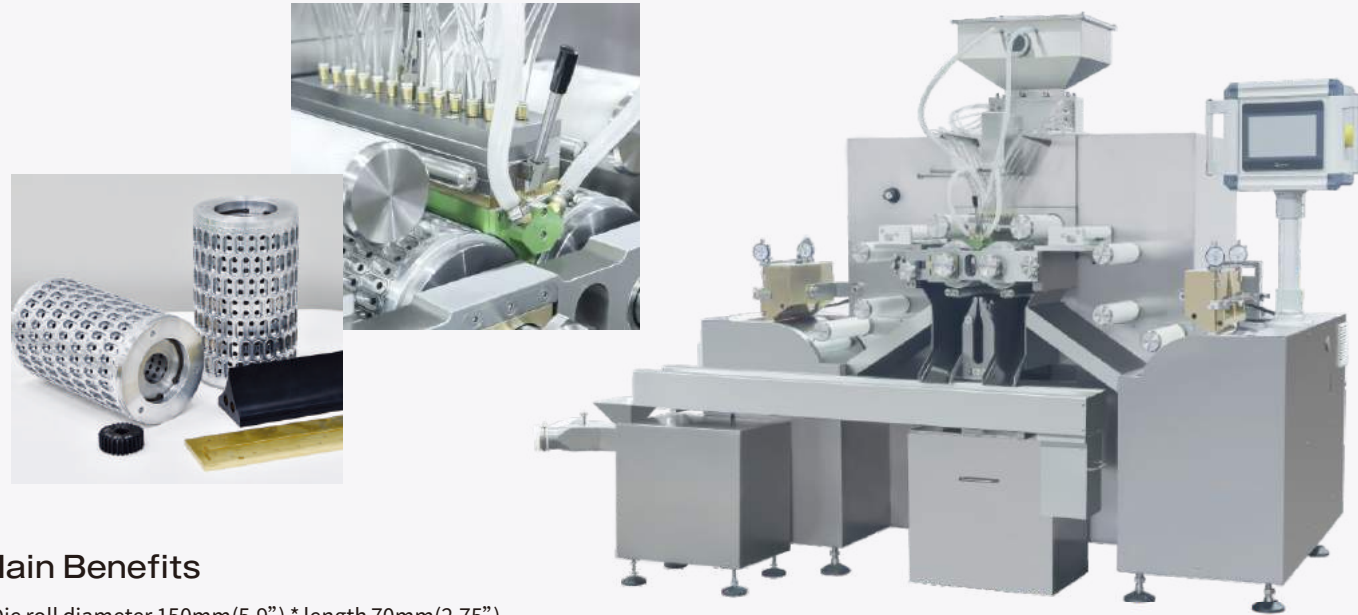


### • Specifications

Model	GD-80	GD-150	GD-300	GD-600
<b>Production Capacity</b>	<b>80kg/h</b>	<b>150kg/h</b>	<b>300kg/h</b>	<b>600kg/h</b>
<b>Gummy Weight</b>	<b>2-12g</b>			
<b>Depositing Speed</b>	<b>45-55times/min</b>			
<b>Compressed Air Requirement</b>	<b>0.4-0.6 Mpa 0.3M<sup>3</sup>/min</b>			
<b>Working Condition</b>	<b>Temperature: &lt;25°C , Humidity: &lt;50%</b>			
<b>Electric Power Needed</b>	<b>75KW</b>	<b>120KW</b>	<b>120KW</b>	<b>170KW</b>
<b>Total Length</b>	<b>15 meters</b>	<b>16 meters</b>	<b>16 meters</b>	<b>17 meters</b>

# Softgel Encapsulation System SofCN Series

RJWJ Serie Softgel Encapsulation is capable of producing softgel capsules from animal gelatin or tapioca starch(vegan).With speeds up to 5 RPM and producing up to 2,000 animal based softgels per hour. This set-up is ideal for small to medium production runs or research & development work. GMP product contact parts make this system suitable for use in pharmaceutical, nutraceutical, food and recreational industries.



## Main Benefits

- Die roll diameter 150mm(5.9") \* length 70mm(2.75")
- Operation speed up to 5rpm.
- PLC and touch screen controls.
- Injection by servo motor.
- No injection time control is required due to injection by sensor.
- Accurate volume control by applying servo motor and sensor system.
- Stainless steel construction in SS 304,SS 316L(Optional).
- Die roll system made of aircraft grade/food grade aluminum.



Model	SofCN-115	SofCN-200	SofCN-300
Rotary Speed of Die Roll	0-5rpm	0-5rpm	0-5rpm
Supplying Volume for Flow Single-pillar	0.75-1L	0.75-2L	0.75-2L
Content Uniformity	±1.5%	±2%	±2%
Power for Main Machine	6.5KW	7.5KW	11.5KW
Pillar Quantity	8	12	24
Overall Dimension	1600*1000*1650mm	2100*1100*1800mm	2200*1275*1900mm
Weight	1160kg	1840kg	2189kg

## Spreader Box

- Indirect heating system.
- Easy to clean design.

## Casting Drums

- Cooling Drum: Application of thermoelectric element.
- Made of Aluminum and Stainless Steel material.
- Cooling water circulation method.
- Temperature control.

## Chiller

- Application of thermoelectric device
- Low power consumption (500W)
- Easy maintenance

## Injection Segments

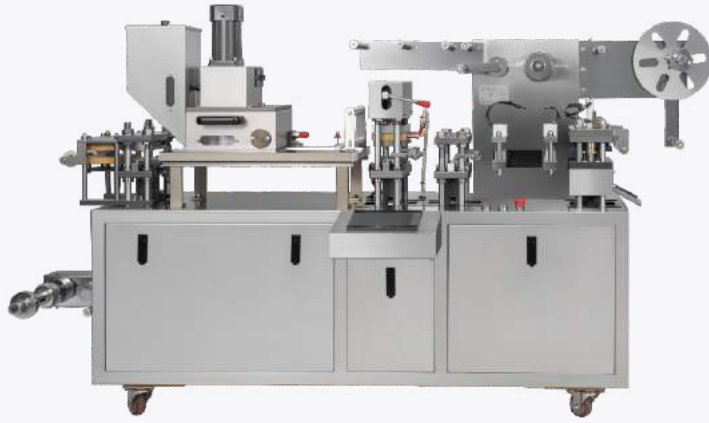
- Application of aluminum material for heating part.
- Indirect heating method.
- \* Up and down movement up to 80mm by means of LM GUIDE and LINEAR MOTOR.
- \* Built in Air Compressor, Chiller, Gelatin Service Tank and Tumble Dryer.



Product Size	Number of Die Roll Cavities	Output Per Hour 3RPM	Speed Per Hour 5RPM
6 Oval	38	6,840	11,400
7.5 Oval	32	5,760	9,600
10 Oval	32	5,760	9,600
9.5 Oblong	36	6,840	10,800
11 Oblong	34	6,120	10,200
20 Oblong	32	5,760	9,600



## Blister Packaging DPP Series



Blister packing machines are specifically designed to package various products such as tablets, solid or soft gelatin capsules, and more into blisters. These machines ensure that the products are securely packaged and protected from external factors that may affect their quality. With the use of blister packing machines, manufacturers can efficiently package their products, making them ready for distribution and consumption.

### Main Benefits

- Machine with GMP and CGMP standard, adopts PLC control system, servo motor drive control. All components that contact with medical are made of high anti-corrosive SS304.
- Main motor uses the frequency speed adjust control.
- Independent moulds design makes more easily assemble and disassemble.
- Machine each station adjust by figure display control, with a independent pressing station, make the pressing and embossing more clear.
- Alarm for Alu foil end and PVC film end and broken, with emergency stop safety device.
- Uses the safety cover protection devices to ensure operator safety.

### Packaging Materials

**Base Material:** PVC / PVC-PVDC / ACCLAR / TRIPLEX / PP / ALU-ALU (OPA).

**Lidding Material:** Aluminum with Heat Sealable Lacquer Coating.

## Specifications

Model	DPP-88	DPP-140	DPP-250
Cutting Frequency	10-40 times/min	10-50 times/min	10-50 times/min
Capacity	1,980strip/h	7,200strip/h	9,600strip/h
Max Shaping Areas and Depth	130*90*16mm	140*120*28mm	270*150*28mm
Air Pressure	0.4-0.6Mpa	0.4-0.6Mpa	0.4-0.6Mpa
Power Supply	380V/220V 50Hz	380V/220V 50Hz	380V/220V 50Hz
Main Motor Power	0.75kw	1.1kw	1.5kw
PVC Hard Pieces	0.25-0.5*130mm	0.15-0.5*140mm	0.15-0.5*250mm
PTP Aluminum Foil	0.02-0.035*130mm	0.02-0.035*140mm	0.02-0.035*250mm
Dialysis Paper	50-100g*130mm	50-100g*140mm	50-100g*250mm
Mould Cooling	tap water or back water		
Machine Dimensions	2070*650*1060 mm	2050*526*1320mm	3360*610*1670mm
Net Weight	560kg	960kg	1500kg

## More Choices Are Available



BM-III  
Sealing Area:  
98\*80mm



ABM-I  
Sealing Area:  
135\*115mm



EBM-I  
Sealing Area:  
215\*175 mm



Custom Blister Sheet  
(PVC/ALU&ALU/ALU)



Deblister



Decapsulation



2-in-1  
Deblister&Decapsulation

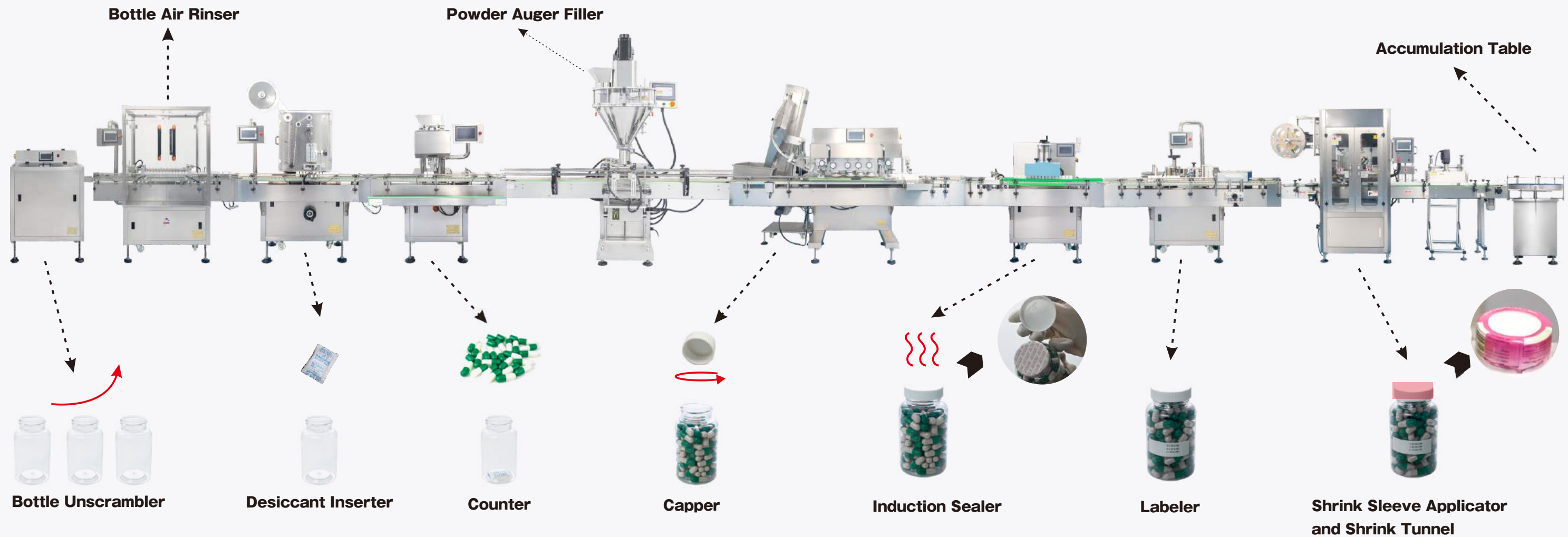
# Integrated Automatic Bottling Line For Capsules/Tablets/Powder/Gummies

Comprehensive equipments include bottle unscrambler, tablet/capsule counter, desiccant inserter, capper, labeler, etc.  
Providing the best integrated solutions to fulfill all your requirements of production line.

## The balance between efficiency and accuracy



We know customers are eager to advance the efficiency in every possible way, but know what more important is the efficiency should not be achieved at the expense of effectiveness. The triple efficiency CapsulCN 200 BPM tablet/capsule bottling line is equally as important as the unparalleled quality we persist for long. Accuracy of the whole system is always the priority in the product development in CapsulCN and the ultimate we pursue.





# Semi-auto Bottling Line

This semi-auto bottling line is ideal for a new startup factory as it allows for direct connection between the semi-automatic capsule filling machine and the subsequent bottling line. Machines can be combined at will according to packaging requirements, and equipment connection significantly enhances production efficiency.

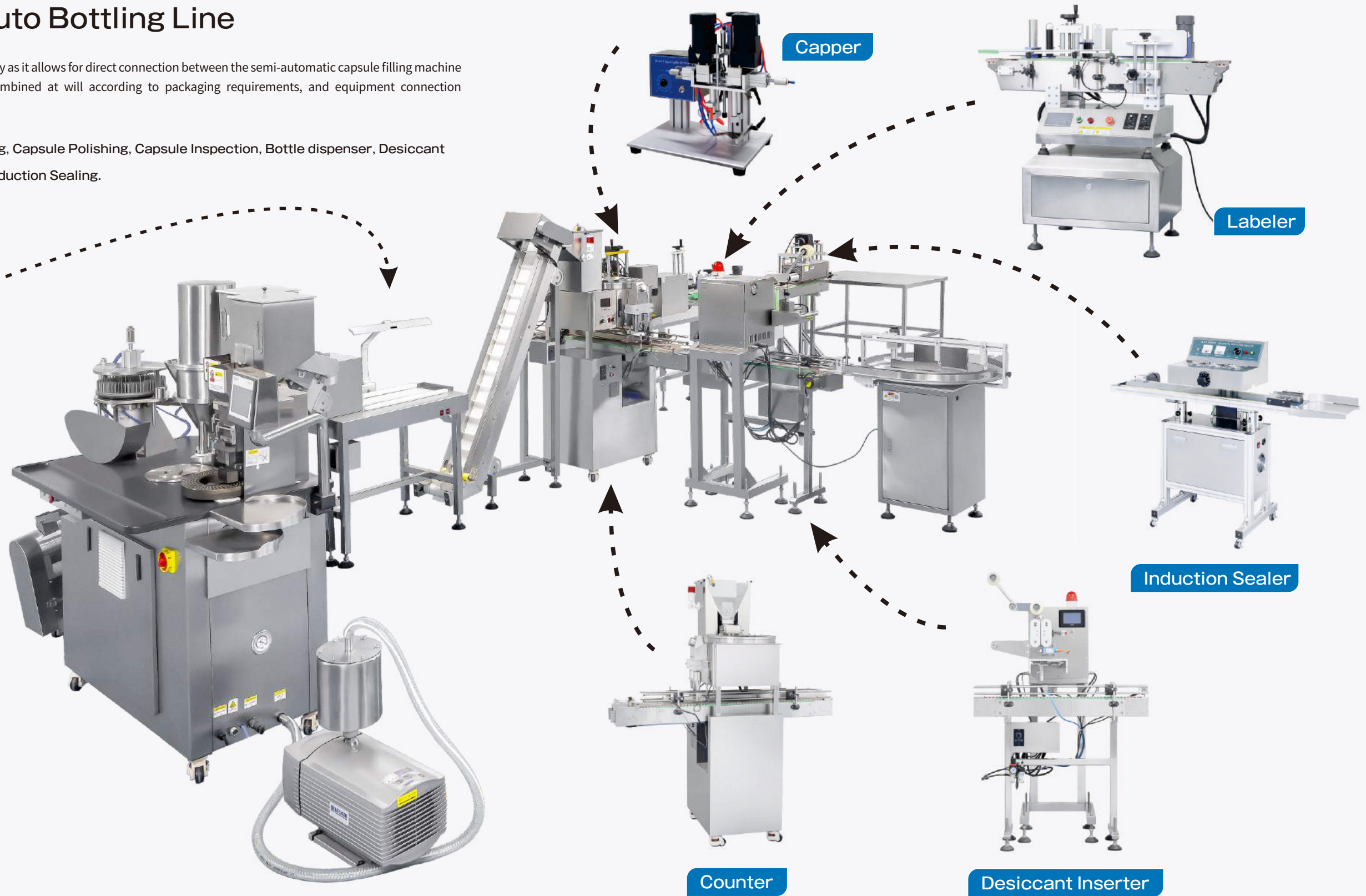
The line is consisting of Semi-auto Capsule Filling, Capsule Polishing, Capsule Inspection, Bottle dispenser, Desiccant Inserter, Counting & Filling, Capping, Labeling, Induction Sealing.



Tablet & Capsule Inspection Machine

Compared with the automatic capsule bottling line, the characteristics of this production line are:

- Budget-friendly.
- Small volume.
- Direct connection to production equipment.
- Customizable combination of units.



Capper

Labeler

Induction Sealer

Desiccant Inserter

Counter

## Rotary Pouch Filling Machine



Our pre-made pouch filler is perfect for those in the food packaging industry who require an automated method to fill and seal pre-made pouches. With the ability to fill and seal various types of pouches, including Doy bags, 3-sided seal, flat and Stand-Up Pouches (SUP), as well as zippered bags, at speeds of up to 50 pouches per minute, this machine is an ideal solution.

This rotary pouch filling machine is versatile and can be used in a variety of markets such as crackers, cookies, granola, snacks, confectionery, popcorn, dried fruit, nuts, powders and baking mixes, rice, beef jerky and more. Whether you are packaging food for personal use or for commercial purposes, this machine is a reliable and efficient option.

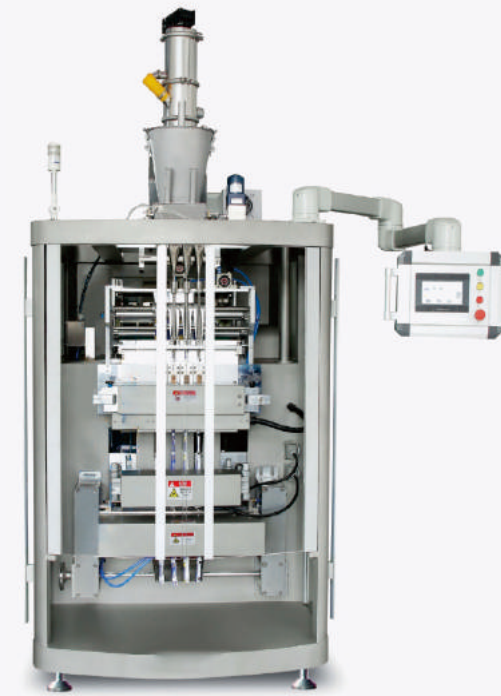
### Main Benefits

- Fully automatic rotary 8 station intermittent rotary preformed bag dispensing, opening and closing.
- Versatile in design, easy to link up with other down stream packaging equipment such as liquid filler, multi-heads weigher, metal detector, check weigher, case sealer, etc.
- Strict mechanical safety standards to ensure stable operation of machinery and increase packaging speed.
- Heavy parts are used to improve the durability of machinery.
- The simple design of the touch screen control system facilitates the use of operators, and is simple and easy to use.
- Improve the solution, reduce the cost for you.
- The production line meets the requirements of food hygiene and is convenient to clean.
- Automatic control of a series of processes from loading, filling, sealing, and finished products.

### • Specifications

Model	SF8-200R	SF8-300R	SF8-400R
Type of Bag	Stand up bags, handbag, zipper bags, four-side sealed bags, three-side sealed bags, paper bag and other composite bags		
Size of Bag	width:100-200mm length:100-400mm	width:160-300mm length:180-450mm	width:300-400mm length:180-580mm
Filling Volume	10-2500g (Depending on type of products)		
Capacity	45-60 bags/min	30-40 bags/min	20-30 bags/min
Dimension	2500*1460*1400mm	2460*1830*1460mm	2520*1750*1600mm
Weight	1400kg	1480kg	1680kg
Compressed Air Requirement	≥0.6m/min(supply by user)		

## Multilane Stickpack Form Fill & Seal Machines



The multi-lane packaging equipment carries out a variety of tasks, streamlining the packaging process from measuring the product to sealing the bags. This VFFS machine efficiently measures, fills, forms, prints data codes, and seals and cuts the bags.

It is suitable for packaging a wide range of products, such as liquids, pastes, powders, and small-sized granulated foods. With its fully automated operation, the packaging machine needs minimal maintenance and training.

It also provides customizable features through an advanced PLC Control System with a user-friendly touchscreen interface to simplify configuration. The VFFS machine serves various packaging needs, reducing operational costs and time while effectively packaging goods. It is available in three different models to meet diverse requirements.

### Main Benefits

- Automatically efficiently complete multi-lane products measuring, feeding, filling, bag forming, date code printing, bag sealing & cutting.
- Advanced PLC control system.
- Touch screen controls, easy to read & adjust.
- Servo motor controls for bag pulling & horizontal seal.
- Film smooth transportation with motorizing tension control on film unwinding.
- Automatic film diving to N lanes from one reel.
- Convenient & easy maintenance & cleaning with openable electric cabinets.
- Safety guard switch to meet CE protection request.

### • Specifications

Model	CBZ-480	CBZ-680	CBZ-880
Lanes number	4-6 lanes	6-10 lanes	8-12 lanes
Packing material	Granule		
Packing speed	20-60 bags/min/lane		
Filling capacity	0.5-50gram/bag		
Packing film	PET/AL/PE, PET/PE, NY/AL/PE, NY/PE etc		
Bag size	L:45-180mm W:18-60		
Film width	Max.480mm	Max.680mm	Max.880mm
Sealing type	Back sealing stick type bag		
Power supply	380V 50HZ 3P 4 W(do as customer's request)		
Power	4.8KW	5.8KW	6.8KW
Air consumption	0.8MPA 0.8m3/min		
Dimension(mm)	1600X1200X2500	1600X1400X2500	1600X1700X2500
Weight	1200KG	1400KG	1700KG



## Vertical Form Fill & Seal Machines

Vertical packaging has been a standard for food and non-food products for many decades. However, as consumer and market demands continue to evolve, we strive to innovate our trusted VFFS machine. Our state-of-the-art packaging equipment offers sustainable packaging materials, greater flexibility in bag styles, increased output, and hygienic operations. Whether you need a high-speed solution for stick packs, vacuum packing of coffee, or stand-up reclosable Doy Zip bags to make your products stand out at the point of sale, our VFFS packaging machines can help optimize your packaging process.



### Applications:

Vertical packaging machines are suitable to make bags starting from a flat foil reel, combined with multiple dosers. Suitable to pack granular products (snacks, short pasta, legumes, rice, dried fruit, candies, cereals, pet food, etc.)

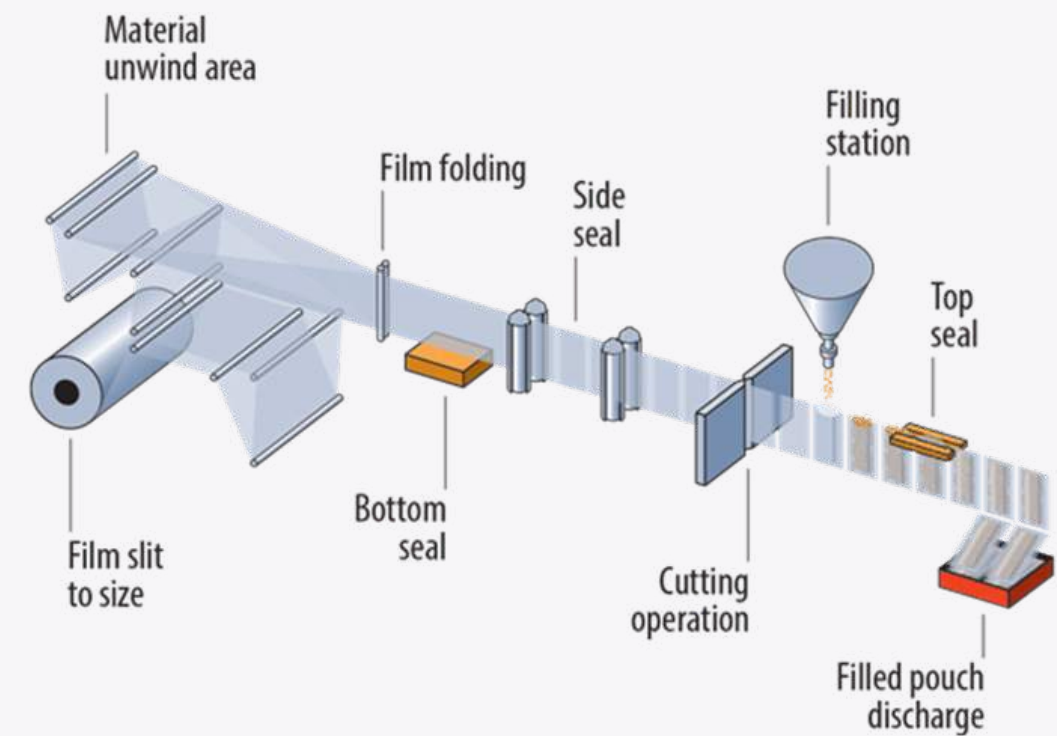
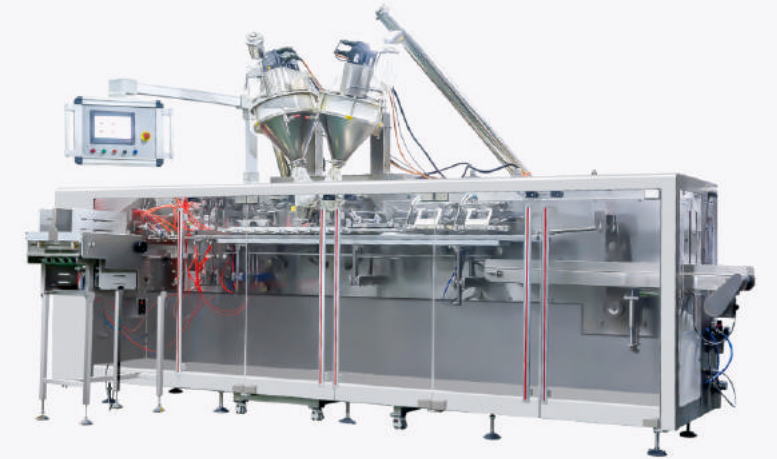


## Horizontal Form Fill & Seal Machines

In addition to vertical form, fill and seal machines, there are also horizontal packaging machines that work in roughly the same way. Closely related in terms of overall operation, horizontal form-fill-seal machines will generally use more floor space than a vertical system, with all the stages of unwinding, slitting, folding, sealing, cutting and filling carried out in one horizontal inline operation.

### Main Benefits

- Auger Filler (for powder products)
- Volumetric Cup Filler (for grains)
- Multi-head Weigher (for grains and granular items like chips, candies, etc.)
- Piston Pump (for liquid products)
- Tablet Counting Filler (for tablets)
- Vibrating Fillers (for block items, nails, screws, etc.)

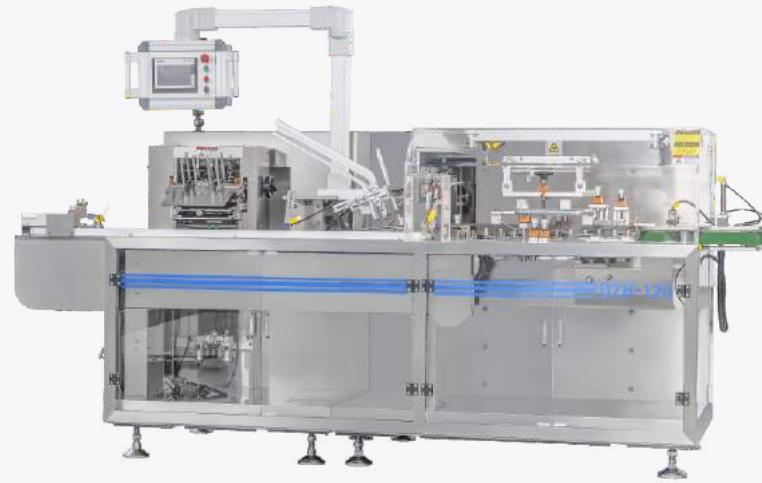


## Horizontal & Intermittent Cartoning

The DZH-120 cartoning machine is AI-plastics blister medicine cards, injection tray, bottles, ointments, rectangular or pill articles.

### Main Benefits

- Adopts full servo system, synchronous belt driving without any lubricating oil.
- Servo motor works in feeding materials and carton packaging. Speed and travel are adjustable, stable and reliable in operation.
- Single motor driving, PLC automatic control, Operating on touch screen, words and numeric display, automatic counting and automatic speed regulation, easy to operate, stable in operation.
- Photoelectric detection and monitoring system to realize overload protection, words indication of failure diagnosis, and automatic halt of failure.
- In a specified range, realizes carton packaging of various specifications without replacing parts. And it is easy and convenient to adjust.
- Innovative and transparent security casters to enhance general view and security of the machine.



### • Specifications

Model		DZH-120
Production Speed		30-120 case/min
Carton	Quality Requirement	250-350g/m <sup>2</sup>
	Length	25-85mm
	Width	15-65mm
	Height	60-200mm
Leaflet	Quality Requirement	50-65g/m <sup>2</sup>
	Unfolded Leaflet Specification (L*W)	(80-300) mm*(70-210) mm
	Folded Leaflet Specification (1-4) * (L*W)	(70-210) mm*(20-40) mm
Compressed Air	Working Pressure	0.5-0.7mpa
	Air Consumption	120-160L/min
Power Supply		220V 50HZ Single Phase
Motor Power		1.5kw
Machine Dimension (L* W* H)		3150*1180*1950mm
Machine Weight		1500kg

## Vertical Cartoning

Automatic cartoning machine, with function of on line product preparation, carton open and form, product detect, product&leaflet input, batch coder, carton close ( or hot melt glue), and auto rejection & finished carton output.



### Main Benefits of the DZH-50S

- Automatic detect of product & leaflet.
- No Product, No leaflet & Carton.
- Automatic reject carton if no leaflet.
- Auto display trouble, alarm and output.
- Auto product feeder according to sample.
- Adopt human-machine operation system.
- Simple design and low-cost maintenance.
- Auto stop when machine overload.
- Stable performance, convenient operation.



### • Specifications

Model	DZH-50S
Capacity	20-50 boxes/min
Carton Quality	200-450g/m <sup>2</sup>
Carton Height	60-200mm
Carton Width	20-80mm
Carton Length	20-80mm
Air Pressure	0.6-0.8Mpa
Voltage	1 or 3phase, 220V, 50/60Hz
Weight	450kg
Overall Dimension	1100*1500*1700mm



## For Powder Filling

This machine is specifically created for accurately measuring and filling large quantities of powder and granular products. It is ideal for high-value medications, Chinese herbs, biological and chemical powders, and food additives. The filling and metering range is from 10 to 5000g, and the capacity can be easily adjusted by changing the auger.

The working process involves placing the container in the machine, raising it, fast filling, lowering the container, slow filling until the desired weight is reached, and finally removing the container from the machine.

### Main Benefits

- The machine uses a servo motor to drive the auger and a separate motor to stir the contents.
- It is equipped with a Siemens PLC, Teco servo drive and motor, and a Siemens full-color HMI for easy operation.
- The machine has a load cell with a highly sensitive weighing system to ensure high filling accuracy.
- The machine can save up to 10 sets of product parameter formulas for future use.
- The filling nozzle is designed to dive deep into the container bottom, and the container slowly descends as filling progresses to minimize the effect of inertia and reduce dust.
- The up-down platform is driven by a servo motor and includes a lift function to prevent dust from flying around.
- There are two filling modes available: fill by volume or fill by weight. Fill by volume is faster but less accurate, while fill by weight is slower but more accurate. Both modes can be interchanged as needed.



### • Specifications

Hopper	Quick disconnecting hopper 50L
Packing Weight	10- 5000g
Packing Accuracy	≤ 100g, ≤ ±2%; 100 - 500g, ≤ ±1%; ≥ 500g, ≤ ±0.5%
Filling Speed	15-40 times per min
Power Supply	AC208-415V 50/60Hz 3P
Total Power	1.4Kw
Total Weight	260kg
Overall Dimensions	1140*970*2030mm

## For Liquid Filling

CapsulCN offers a wide range of liquid filling machines, including Inline filling systems. These systems are designed to fill various types of bottles with almost any product. With the use of the latest technologies, CapsulCN Inline filling systems are able to achieve high speeds and accurately fill bottles, making them highly regarded in the packaging industry.

One of the key advantages of CapsulCN liquid filling systems is their versatility. They can accommodate different types of liquids, whether they are free-flowing or thick. This means that they can handle products that foam, products that have stringy or dripping consistency, products with particulates or chunks, as well as dry products.

It is important to note that different filling technologies work best for specific types of liquids. For example, an overflow filler is ideal for foamy industrial cleaners, but not suitable for viscous creams. On the other hand, a piston filler can work well for salsa, but may not be the best choice for perfume.

With CapsulCN's Inline filling systems, you can be confident in achieving efficient and precise filling of your liquid products, regardless of their characteristics.



## For Semi-solid Products Packing

Automatic tube filling and sealing machine NF Series is designed to fill polyethylene (PE), polypropylene (PP), and laminated (including Polyfoil) tubes with gels, creams, or other fluids. It uses hot air to seal the tubes, stamps the date and/or batch number, and cuts off any excess plastic at the tube's end that may occur during sealing.

This versatile machine can handle various viscous and semi-viscous products such as cosmetics, ointments, toothpaste, foodstuffs, pharmaceuticals, and shaving creams. It is equipped with a PLC-based control system and a touch screen control panel to ensure top-notch performance.







### Our Service

After-Sales Service On Site



## Our Customers

We work with companies large & small, worldwide.

