

Product Data

Multi-channel Pill Counting Line Machine

HUADA Pharma international Co., Ltd



HUADA
Pharma



Multi-channel Pill Counting Line Machine

Product Data

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Integrated Filling Line

Automatic

Capsule/Tablet



Eleven machines cooperate perfectly

* You can choose the complete line or just several machines of it, which is based on your own needs.

* As each machine cooperates perfectly in order, it greatly improves not only the efficiency but also the quality and grade of product packaging.


Bottle Unscrambler—Bottle Cleaning—Desiccant Inserter—Counter—Capper—Induction sealer—Labeler—Cartoner—Overwrapper


Designed to comply with FDA and cGMP regulations


Different capacity ranges from 30BPM to 200BPM


Customize your own counting line

Features

 Cost saving—Eleven machines in one line take the place of eleven labours, which greatly helps reduce cost.

 More practical—Compared with manual labeling, labeling bottles by the labeling machine can make the product more beautiful and firmer.

 Multiple-choice—Each machine on the production line can be matched at will, and other equipment can be added at any time in the future.

 High precision—The design of three-stage vibration can help avoid drug stacking, ensuring the accuracy and count error is lower than 1/10000.

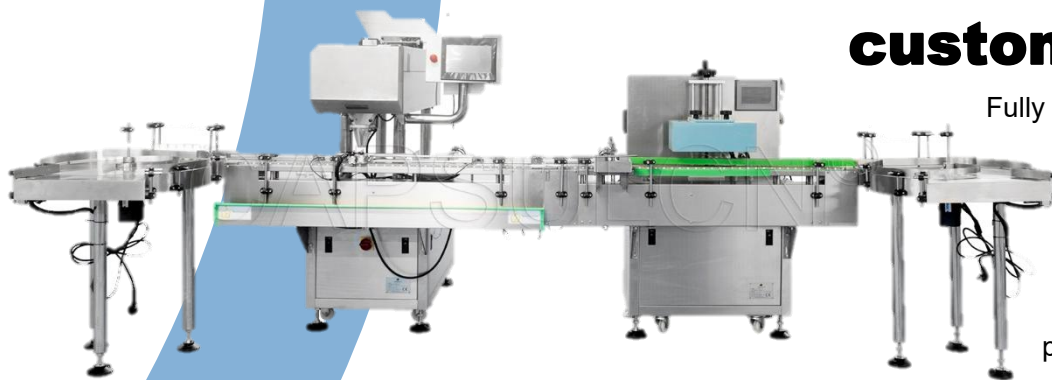


Technical Parameters

Model	PBDS-8	PBDS-12	PBDS-16	PBDS-24
<i>Production capacity</i>	10~50 bottles per minute	20~55 bottles per minute	60~100 bottles per minute	80~150 bottles per minute
<i>Container size</i>	Dia.:20~100mm Height:50-100mm	Dia.:20~100mm Height:40~200mm	Dia.:20~100mm Height:40~220mm	Dia.:20~100mm Height:40~220mm
<i>Size of capsule/tablet</i>	Caps: #00-#4 Tablets:Φ5.5-22mm	Caps: #00-#4 Tablets:Φ5.5-22mm	Caps: #00-#4 Tablets:Φ5.5-22mm	Caps: #00-#4 Tablets:Φ5.5-22mm
<i>Main Power</i>	0.4kw	1.5kw	1.5kw	1.7kw
<i>Power Supply</i>	110V 60Hz / 220V 50Hz	110V 60Hz / 220V 50Hz	110V 60Hz / 220V 50Hz	110V 60Hz / 220V 50Hz
<i>Weight</i>	280kg	300kg	360kg	580kg
<i>Overall Dimensions</i>	1600x1500x1600m m	1600x1500x1600m m	2600x1600x1600m m	4200x1800x1600mm



Tablet / capsule counting line customization



Fully meet GMP requirements.

Under the principle of practicality and efficiency, we will save cost for you and make your bottling and packing more accurate and beautiful. Our product quality

is stable and reliable, easy to use, convenient maintenance, beautiful appearance. At the same time, it also ensures the perfection of each product line.

You can choose the whole production line according to your requirements, or only a few. Because of the coordination between each machinery and equipment, so that the production efficiency has been greatly improved, but also to product packaging quality and grade has been greatly improved.

You can customize the line as your request

Option1: Turntable—Counter—Turntable—Induction sealer—Collecting Table

Option2: Turntable—Counter—Induction sealer—Collecting Table

Features

- Designed to comply with FDA and cGMP regulation.
- The company provides with professional technical support and after-sales service, also send technician to the customer's enterprise to adjusting machine, supervise technique and training, etc.
- Main power spare parts fix up on the radiator and the induction heating head adopts the circulating water to cool. This machine is suitable for different size bottles sealing with a little adjustment.
- You can do all or part of what you need. Through the mutual cooperation of various mechanical equipment, greatly improve the production efficiency, and enhance the product packaging quality and grade.



Technical Parameters

Model	PBL-Z (Bottle-delivering unscrambler/ Bottle-collecting unscrambler)
Scope of application	Round bottles, square bottles, flat square bottles and special-shaped bottles of various materials
Production capacity	30~200 bottles per minute
Diameter of bottles	20~80mm
Power supply	AC220V/50Hz
Power	0.1kW
Overall dimension (L*W*H)	900*900*1000mm
Machine weight	95kg

Model	PBDS-8
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<i>capacity</i>	Max.50 bottles/min
<i>Size of Bottle</i>	15-500ml
<i>Voltage</i>	AC220V, Single Phase, 50/60 Hz
<i>Power</i>	600W
<i>Air Consumption</i>	0.8 m ³ /hour
<i>Air Pressure</i>	0.5 MPa
<i>Overall Dimension(L*W*H)</i>	1600 *1600 * 1600 mm
<i>Weight</i>	450kg (with conveyor)

<i>Model</i>	PBFK-260
<i>Bottle body dia.</i>	Φ20~Φ100 mm
<i>Bottle mouth dia.</i>	Φ20mm~Φ50 mm
<i>Bottle height</i>	30mm~200 mm
<i>Capacity (Max.)</i>	150 bottles/min
<i>Max. power</i>	4 KW
<i>Power supply</i>	AC 220V ±10%, 50/60 Hz
<i>Air supply</i>	0.1 m ³ /h
<i>Air pressure</i>	0.4 Mpa
<i>Cooling water</i>	Purified water
<i>Environment Temperature</i>	-10°C~40°C
<i>Relative humidity</i>	≤ 90%
<i>Dimension (L*W*H)</i>	1600*950*1250 mm

Tablet / Capsule Counting Seal Labeling Line



According to the requirements of cGMP, its metering and bottling line has been widely used in the world and highly praised by many pharmaceutical companies.

The company has developed a series of exquisite design, manufacturing sophisticated machinery, from the bottle to the finished bottle seal.

The company's complete set of production equipment has bottle machine, tablet/capsule counting machine, capping machine, labeling machine. We will provide customers with the best comprehensive solutions.

Features

- You can customize the line as your request. The line includes Turntable—Counter—Turntable—Induction Sealer—Labeling—Collecting Table.
- Designed to comply with FDA and cGMP regulation.
- Compared with manual labeling, machine labeling is more beautiful and firmer.
- The three-stage vibration structure is adopted to effectively prevent the accumulation of drugs and ensure the accuracy rate, and the calculation error does not exceed one part in 10000.
- All machine tools on the assembly line can be paired arbitrarily, and other equipment can be added at any time.



Technical Parameters

Model	PBL-Z (Bottle-delivering unscrambler/ Bottle-collecting unscrambler)
Scope of application	Round bottles, square bottles, flat square bottles and special-shaped bottles of various materials
Production capacity	30~200 bottles per minute
Diameter of bottles	20~80mm
Power supply	AC220V/50Hz
Power	0.1kW
Overall dimension (L*W*H)	900*900*1000mm
Machine weight	95kg

Model	PBDS-8
capacity	Max.50 bottles/min
Size of Bottle	15-500ml
Voltage	AC220V, Single Phase, 50/60 Hz

<i>Power</i>	600W
<i>Air Consumption</i>	0.8 m ³ /hour
<i>Air Pressure</i>	0.5 MPa
<i>Overall Dimension(L*W*H)</i>	1600 *1600 * 1600 mm
<i>Weight</i>	450kg (with conveyor)
<i>Model</i>	PBFK-260
<i>Bottle body dia.</i>	Φ20~Φ100 mm
<i>Bottle mouth dia.</i>	Φ20mm~Φ50 mm
<i>Bottle height</i>	30mm~200 mm
<i>Capacity (Max.)</i>	150 bottles/min
<i>Max. power</i>	4 KW
<i>Power supply</i>	AC 220V ±10%, 50/60 Hz
<i>Air supply</i>	0.1 m ³ /h
<i>Air pressure</i>	0.4 Mpa
<i>Cooling water</i>	Purified water
<i>Environment Temperature</i>	-10°C~40°C
<i>Relative humidity</i>	≤ 90%
<i>Dimension (L*W*H)</i>	1600*950*1250 mm

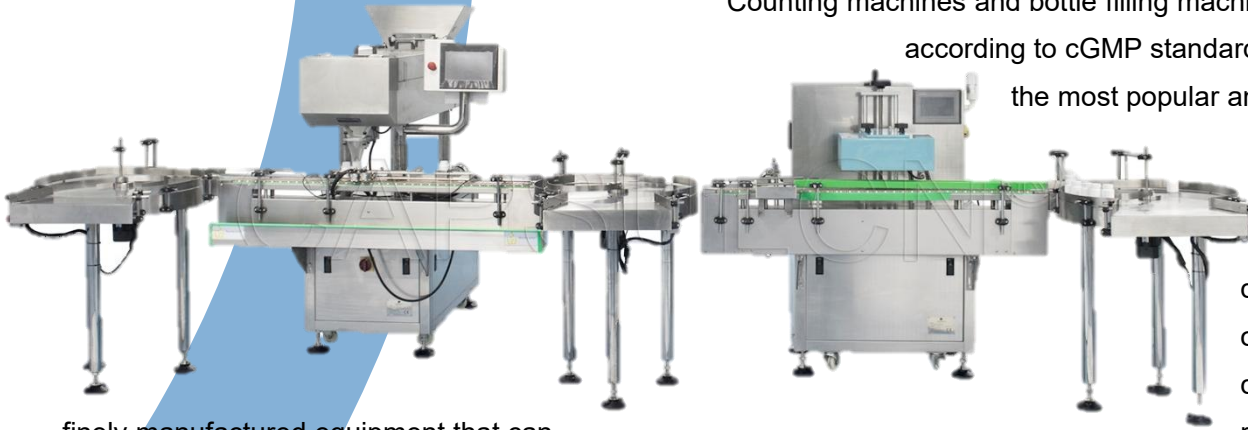
<i>Model</i>	PBTB-160
<i>Max. Capacity</i>	120 Bottles/Min
<i>Size of Container</i>	50-500 ML
<i>Size of Label</i>	Length 25-200 mm Width 25-90 mm
<i>Voltage</i>	AC220V / 50HZ
<i>Power</i>	2000W
<i>Overall Dimension (L*W*H)</i>	2000 × 1150 × 1650(mm)
<i>Weight</i>	300KG

Tablet / Capsule Counting Sealing Lines

Counting machines and bottle filling machines designed according to cGMP standards have become the most popular and popular

equipment in the world.

We have developed a set of ingeniously designed and realize the whole



finely manufactured equipment that can process from bottle opening to packaging.

Features

- cGMP design with emphasis in powder dust handling: Enclosed main turn table avoid dust getting into mechanical parts.
- You can customize the line as your request. The line includes Turntable—Counter—Turntable—Induction Sealer—Collecting Table
- Our metering and bottling lines are in good use all over the world. We are providing the best comprehensive solutions to meet all your requirements of production lines and well-crafted series machinery. Based on the principles of practicality and high efficiency, it will save costs for you and make your bottle packaging more accurate and beautiful. The equipment has the characteristics of high automation, stability, reliability, simple operation, simple maintenance, and beautiful appearance.
- It is mainly used for quantitative filling of various non-pharmaceutical medicine bottles, and can also be used for filling various packaging materials such as granules, syrups, and capsules. Our filling lines meet the strict standards of the pharmaceutical industry, comply with GMP requirements, and also comply with US FDA regulations to ensure the quality of the products.



Technical Parameters

Model	PBL-Z (Bottle-delivering unscrambler/ Bottle-collecting unscrambler)
Scope of application	Round bottles, square bottles, flat square bottles and special-shaped bottles of various materials
Production capacity	30~200 bottles per minute
Diameter of bottles	20~80mm
Power supply	AC220V/50Hz
Power	0.1kW
Overall dimension (L*W*H)	900*900*1000mm
Machine weight	95kg

Model	PBDS-8
capacity	Max.50 bottles/min
Size of Bottle	15-500ml
Voltage	AC220V, Single Phase, 50/60 Hz
Power	600W
Air Consumption	0.8 m ³ /hour
Air Pressure	0.5 MPa
Overall Dimension(L*W*H)	1600 *1600 * 1600 mm
Weight	450kg (with conveyor)

Model	PBFK-260
Bottle body dia.	Φ20~Φ100 mm
Bottle mouth dia.	Φ20mm~Φ50 mm
Bottle height	30mm~200 mm
Capacity (Max.)	150 bottles/min
Max. power	4 KW
Power supply	AC 220V ±10%, 50/60 Hz
Air supply	0.1 m ³ /h
Air pressure	0.4 Mpa
Cooling water	Purified water
Environment Temperature	-10°C~40°C
Relative humidity	≤ 90%
Dimension (L*W*H)	1600*950*1250 mm

Automatic capsule bottling & packaging / Pill line



This complete automatic bottling line conforms to GMP standard. On the basis of

practicability and efficiency, it can help you save cost and complete the bottling and packaging of products more accurately and beautifully. As you can see, it is of a high degree of automation, stable and reliable product performance, convenient operation and maintenance, exquisite and beautiful appearance. What's more, it can ensure that every product under the production line is flawless. All you have to do is watching it produce!

Features

- Used in many different shapes and specifications of plastic bottles in pharmaceutical companies to automatically arrange and output directionally. It is an ideal supporting equipment for various plastic bottle production lines.

- This machine can be widely used for fast counting and bottling of various shapes and sizes of tablets, capsules, pills and other medicines or food, health care products and other materials. The counting and bottling speed and accuracy rate have reached the advanced level of similar products at home and abroad.

- This machine is an upgraded product of our company. It has simple structure and easy operation. More importantly, stepless adjustment can be made to the production capacity according to the specifications and characteristics of bottles and desiccant sachets. This machine has strong adaptability to bottles. For glass bottles and plastic bottles of various specifications containing food, medicine or cosmetics, the filling effect of desiccant sachets is satisfactory.

- Self-adhesive Labeling Machine for Round Bottles is an upgraded product of our company. It has simple structure and easy operation. Stepless adjustment can be made to the production capacity according to the specifications and characteristics of bottles and label paper.

- Horizontal Cartoning Machine is a new product developed by our company, which is a multi-functional cartoning machine integrated with machine, electricity and gas. It has the advantages of small size, light weight, wide application range, high production efficiency, and can be used for multiple purposes in one machine.



Technical Parameters

Model	high-speed automatic bottle unscrambler
Bottle specification (ML)	50~300
Max. production capacity (Bottle/Min)	60~100
Power (kW)	0.5
Voltage (V)	220
Overall dimension (L*W*H) (mm)	2200*1050*1900
Weight (kg)	250

Model	Automatic Capsule Tablet Counting Machine
<i>Rate of production</i>	10~30 bottles/min
<i>Single bottling capacity</i>	2-9999 pcs/bottle
<i>Common type</i>	Pills, tablets, soft and hard capsules and other solid tablets
<i>Pharmaceutical specifications</i>	φ3~φ20mm solid granules, 0~5# hard capsules, soft capsules, other solid granules
<i>Bottle diameter</i>	φ20~φ100mm
<i>Bottle height</i>	40~240mm

Model	Automatic Desiccant Inserting Machine
<i>Filling speed of desiccant sachets</i>	50~120 bottles/min
<i>Bottle's outer diameter</i>	Φ20~80 mm
<i>Bottle's height</i>	35~200 mm
<i>Applicable range of desiccant sachets</i>	0.5~2 g
<i>Total power</i>	500 W
<i>Voltage</i>	220V 50Hz
<i>Conveying direction</i>	Left to right
<i>Overall dimension (L*W*H)</i>	1150*800*1900 mm
<i>Weight</i>	300 kg

Model	High-Speed Capping Machine
<i>Bottle's outer diameter</i>	Φ23~120 mm
<i>Bottle's height</i>	45~150 mm
<i>Max. production capacity</i>	50~120 bottles/min
<i>Bottle cap's outer diameter</i>	Φ20~120 mm
<i>Total power</i>	1.8 KW
<i>Voltage</i>	220 V
<i>Overall dimension(L*W*H)</i>	2200*1050*1900mm
<i>Weight</i>	650 KG

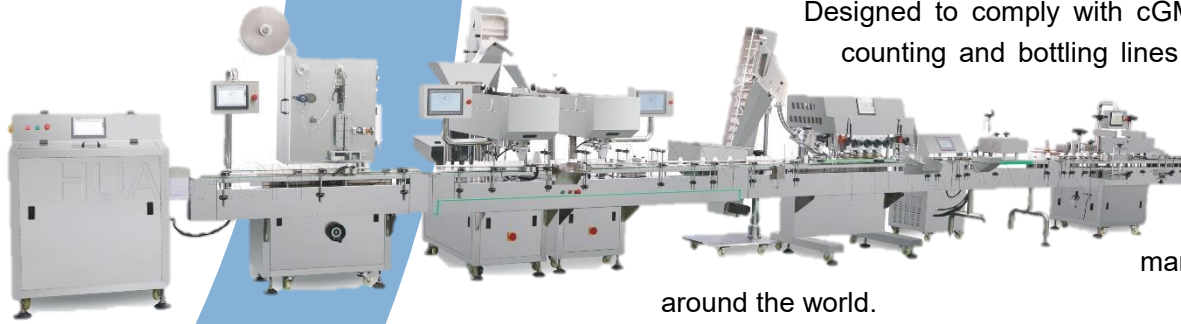
Model	Induction aluminum foil sealing machine
<i>Sealing speed</i>	120~200 bottles/min
<i>Input power</i>	~220V±10%, 50/60Hz
<i>Input current</i>	≤3.5A (when no bottles pass) ≤10A (when bottles pass)
<i>Output power</i>	Max. 2 kW (adjustable)
<i>Output waveform</i>	60~80KHz (Sine wave)
<i>Protection class of machine shell</i>	IP21
<i>Sealing diameter of heating head</i>	ø20mm~ø60mm

Model	Self-adhesive Labeling Machine
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<i>Labeling speed</i>	20~120 bottles/min
<i>Bottle's outer diameter</i>	Φ20~80 mm
<i>Bottle's height</i>	35~200 mm
<i>Applicable label length</i>	23~250 mm
<i>Applicable label height</i>	15~125 mm
<i>Total motor power</i>	150 W
<i>Voltage</i>	220V, 50Hz
<i>Conveying direction</i>	Left to right
<i>Overall dimension</i>	2000mm*700mm*1650mm
<i>Weight</i>	280 kg

Model	Automatic Cartoning Machine
<i>cartoning speed</i>	30-120 cartons/min
<i>carton quality requirements</i>	300-350g/m ²
<i>dimension range of carton</i>	(60-200)mm×(25-85)mm×(15-65)mm
<i>user manual unfolded size range</i>	L(80-300)×W(70-210)mm
<i>user manual folded size range</i>	L(70-210)×W(20-40)mm
<i>air consumption</i>	15-20m ³ /h
<i>dimensions</i>	3150 mm×1180 mm×1950mm
<i>net weight of machine</i>	about 1500kg

Automatic Capsules/Tablets Counting Line



Designed to comply with cGMP regulations, the counting and bottling lines are widely applied and strongly recommended by pharmaceutical manufacturers all

around the world.

Starting from bottle unscrambling to the end-of-line packaging, we have developed ranges of compact-designed and exquisite-made machinery.

Comprehensive equipments include Bottle-Unscrambler, Tablet/Capsule Counter, Desiccant inserter, Cotton inserter, Capping Machine, Labeling Machine, Induction Cap-sealer. We are providing the best integrated solutions to satisfied all your requirements of production line.

Features

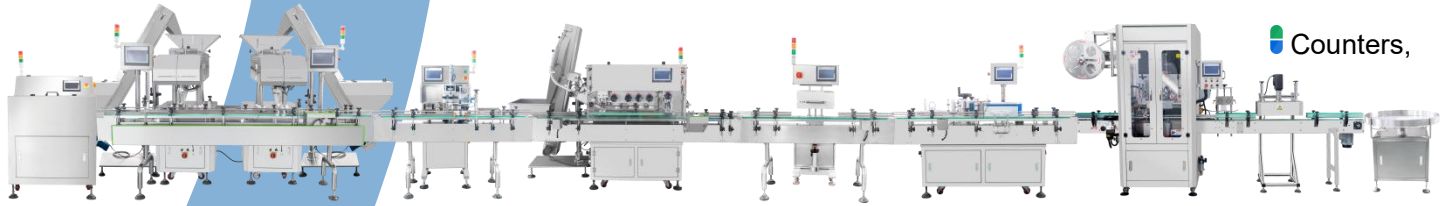
- Applicable for different -size round, square bottles and containers with different caps including CRC cap.
- Suitable for all kinds of round, square and irregular bottles and containers.
- Applicable to all sizes of round or square plastic bottles and bottles.



Technical Parameters

Model	Automatic Capsules/Tablets Counting Line
Step 1	Turntable/Bottle Unscrambler
Step 2	Desiccant Dispenser
Step 3	Tablet & Capsule Counter
Step 4	Cotton Dispenser
Step 5	Capping Machine
Step 6	Induction Sealing Device
Step 7	Labeling Machine
Step 8	Cartoning Machine

Automatic capsule bottling & packaging / Pill line



bottle fillers and other assembly lines designed in accordance with cGMP requirements have been widely used and highly respected around the world. We have developed a complete set of exquisitely designed and well-made machines, from unscrambling to final packaging. The complete sets of equipment produced by our company include: bottle unscrambler, feeding machine, tablet/capsule counting machine, cotton yarn inserting machine, capping machine, labeling machine, induction sealing machine. We provide our customers with the best comprehensive solutions to meet their various needs.

Features

- It is widely used for automatically arranging and directionally conveying bottles in various shapes and specifications in pharmaceutical industry. It is an ideal matching equipment for various plastic bottle production lines and is widely used in chemical industry, light industry, food and beverage industries.

- The machine is composed of hopper, lifting conveyor, frequency converter and so on. It is conveyed by closed soft silica gel, which meets the hygienic requirements. The bottom is equipped with movable rollers for easy adjustment and displacement..

- This automatic induction sealer is required as a single unit over a conveyor for hassle-free mounting and sealing applications with adjustable height and is providing with mobile trolley for easy movement..

- The machine is widely used for round bottles of different sizes and plastic bottles of different specifications in pharmaceutical sector. It is an ideal supporting equipment for various plastic bottle production lines. It can also be used in plastic bottle production lines in chemical industry, light industry, food and beverage industries.



Technical Parameters

Automatic Capsules/Tablets Counting Line	
Step 1	Bottle-Supplying Machine
Step 2	Lifting Feeder
Step 3	Counting Machine
Step 4	Cotton Dispenser
Step 5	Capping Machine
Step 6	Induction Sealing Device

Model	BotCN-Cou 270			
Num. of channel	8	12	16	24
Max. output	4000 count/min	6000	8000	12000
Fill qty	1~1000			
Product size(mm)	Thickness:3~10mm; Diameter:3~13mm ; Length:3~21mm			
Container size(mm)	Dia.:20~100mm Height:40~240mm			
Power Supply	AC220V 50/60HZ			
Power consumption	1.0KW	1.2KW	1.5KW	1.8KW
Compressed air supply (MPa)	0.6Mpa			
Compressed air consumption (L/min)	Approximately 100L/min Clean air	130	200	260
Measurement (L×W ×H) (mm)	1325×1610×1770	1325×1610×1770	1580×1680×1770	1666×1610×1770
Hopper capacity (L)	28	34	50	60
Weight (kg)	600	600	700	800

Model	BotCN-Cap 9
Max output	150bottles/min
Suitable size range	15~300ml
Dia of Cap	15~65mm
Dia of bottle body	20~100mm
Bottle height	45~220mm
Voltage/Frequency	AC220V/50Hz
Power consumption	1.50Kw
Dimensions (LxWxH)	2600x1060x1950mm
Weight	613Kg

Model	BotCN-Sel 24
Bottle neck diameter	20mm-60mm / 50-120mm(customizable)
Bottle height	0mm-450mm
Flow packing line speed	0-35 meter/min
Sealing speed	0-400 bots/min
Max power	4000W
Electricity power	220V, 50/60HZ
Induction sensor size	450mm*200mm*90mm
Machine size(L*W*H)	510mm*750mm*1380mm
Machine net weight	85kg
Packaged size	600mm*560mm*700mm 930mm*830mm*280mm
Package weight	120Kg

Model	BotCN-Lbl 10.8
Max output	180 BOTTLES / MIN
Length of labels	20~250mm
Width of labels	20~75mm
Suitable bottle range	15~300ml
Height of bottles	30~150mm
Voltage/Frequency	AC220V/50Hz
Power consumption	2Kw
Dimensions(LxWxH)	1950x1060x1300mm
Weight	237Kg

Mode	BotCN-Uns 3.6
Conveying Capacity	30-45 bottles/min
Power Supply	220V 50HZ
Total Power	0.5KW
Rotary Plate Dimension	Φ1000 ×1000 (mm)



HUADA

Pharma

✉ info@capsulcn.com

☎ 0086-577-65155520 0086-15967727111

📍 Rm.1888 Bld 2nd Zhongrui Square Ruian, Zhejiang, CN 325200

🌐 www.capsulcn.com www.ipharmachine.com www.huadapharma.com