

COMPANY PROFILE

SHANDONG INCHOI MACHINERY CO., LTD. is a company specializing in the food industry equipment-global suppliers, The company has advanced CNC machining centers and modern equipment workshops.

Company consists of IQF freezer department, Fruit&Vegetable processing department, vacuum packaging department, and automated sterilization department. The technical team is composed of engineers with more than 20 years of experience in the food industry. Company focus on the flour-food, seafood, fruits and vegetables, meat conditioning products with complete sets of equipment solutions.

The company's products have passed CE certification and ISO9001-2000 international quality management system certification, and meet the QS standards of food enterprise. In 2019, the company established a joint RESEARCH and development center with Singapore 'P Control Technology Pte Ltd' in 2Yishun Industrial St1, North Point Bizhub, dedicated to the research and development and application of frozen Technology and high-end automation equipment. In 2021, The legal representative of Singapore company -- LOO YEOW TECK -- Overseas Chinese Mr. Lu and Shandong INCHOI Machinery invested and established a Sino-foreign joint venture --LongRise (Shandong) Intelligent Equipment Co., LTD in Zhucheng city to further expand the domestic production base and export to the world.

After years of efforts to innovation, the company in southeast Asia, the Middle East, Africa, eastern Europe, South America set up offices, equipment exported to USA, Russia, Italy, Spain, Algeria, Thailand, Vietnam, Singapore, Indonesia and other countries, the company has the service level of globalization, in the industry enjoyed a high reputation.

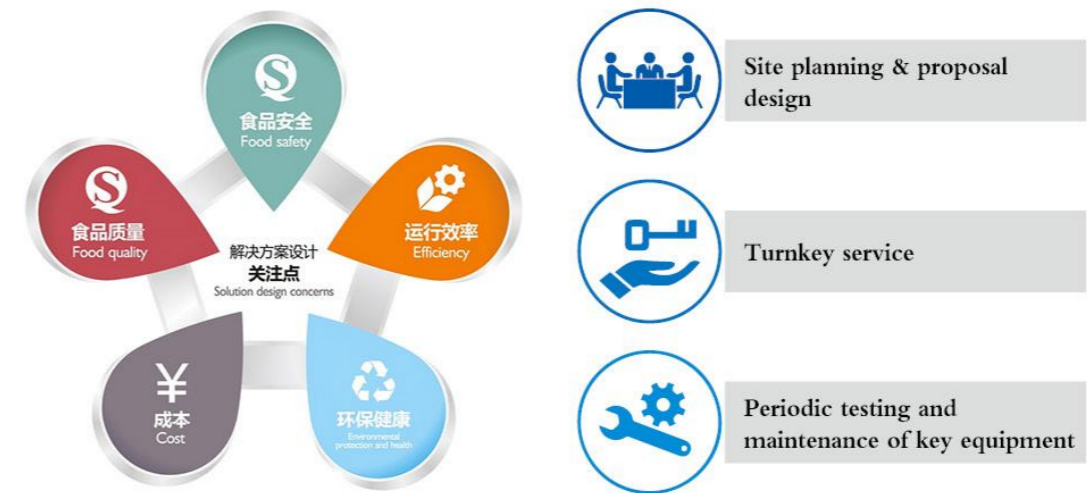


Singapore R&D Center building and interior



Shandong Manufacturing Base

OUR SERVICE



CNC WORKSHOP



● VACUUM PACKING MACHINE

DLZ-420/520 COMPUTER AUTOMATIC CONTINUOUS STRETCH THERMOFORMING VACUUM PACKAGING MACHINE

>>>>> DLZ-420/520 电脑全自动连续拉伸真空包装机



Application:

The equipment is mainly suitable for: steak, grilled sausage, ham sausage, crispy sausage, pickled chicken feet, quail eggs, dried tofu, fish products, beef products, lamb products, solid sauce, dried fruits, cheese, electronic components, metal Products and other products that require vacuum packaging.

This is an automated packaging equipment that includes stretch thermoforming, vacuum (air inflation), heat sealing, coding, cutting, collecting and conveying.

TECHNICAL PARAMETERS

Model	Upper film width	Under film width	Vacuum degree	Compressed air	power supply	power	Total Weight	Dimensions
DLZ-420	397mm	424mm	≤ 200pa	≥ 0.6MPa	380V50HZ	14KW	1800kg	6600×1100×1960mm
DLZ-520	497mm	524mm	≤ 200pa	≥ 0.6MPa	380V50HZ	16KW	2100kg	7600×1200×1960mm

Can be customized according to customer requirements



304 Stainless steel frame structure

1. The structure has high strength and corrosion resistance. The screw holes in each fixed position are processed by high-precision laser at one time to ensure the accuracy of assembly and make the whole machine run smoothly.
2. More expandability, when the packaging form needs to be upgraded, relevant parts can be added at any time according to the packaging requirements.

Four-axis linkage lifting device

1. The lifting device is made of 6061 aviation aluminum alloy, which increases the stability and strength of the components. The sliding parts adopt imported high wear-resistant linear bearings, which are accurate in positioning and stable in operation. The lifting height can be adjusted arbitrarily according to the thickness of the product packaging. Without changing the running speed, the lifting distance is shortened to improve the packaging speed of the entire machine.
2. The parts are inlaid with graphite copper sleeves to increase lubrication, reduce abrasion and extend the service life. In addition, the graphite copper sleeve is extremely pressure-resistant, which ensures the sealing of the molding chamber and the vacuum chamber.

Electronic magnetic pre-tightening device

1. Using electromagnetic brake, the brake is stable and the force is even, avoiding the phenomenon of wrinkling and curling of the packaged products.
2. The digital display shows that the tightening force is adjustable. The key can be adjusted conveniently and intuitively according to the thickness, flexibility and softness of the packaging film to achieve the best packaging effect.

Electrical System

1. The intelligent control system adopts the German Siemens brand uniformly, and the control points are responsive and cooperative. The temperature, time, and vacuum pressure of each part are displayed on the computer screen, and it has its own fault detection function.
2. Adopting German Siemens high inertia servo motor and driver, the chain positioning is accurate and running fast.

Intelligent operating system

1. Touch screen operation, automatic program control, graphic display of the entire running status, automatic detection of the cause of failure, easy to operate and maintain the equipment.
2. The intelligent and humanized operation screen is simpler and clearer. Each parameter can be adjusted appropriately according to different products, and different product process parameters can be stored. One-click calling saves time and effort.

Safety protection system

1. All transmission parts; parts with temperature; cutting and moving parts are equipped with protection devices, and magnetic contact switches are installed. Once the protection devices are not in place or the original machine protection devices are not in place, the machine will stop immediately.
2. The equipment itself is equipped with emergency stop switches in different positions, so as to stop the machine in time when an accident occurs.
3. It is forbidden to reach out hands, feet, arms and other parts with a beam switch, once it is sensed, it will stop immediately.

Waste film recycling system

1. The waste recycling has an intelligent detection device, which can automatically adjust the operating speed according to the length of the waste film.
2. The device is noise-free, easy to collect the film, equipped with 150W power, indirect operation, saving power consumption.

Forming and heat sealing mold

All molds can be quickly replaced, and multiple sets of molds can be exchanged on a set of equipment to facilitate the packaging of multiple products.

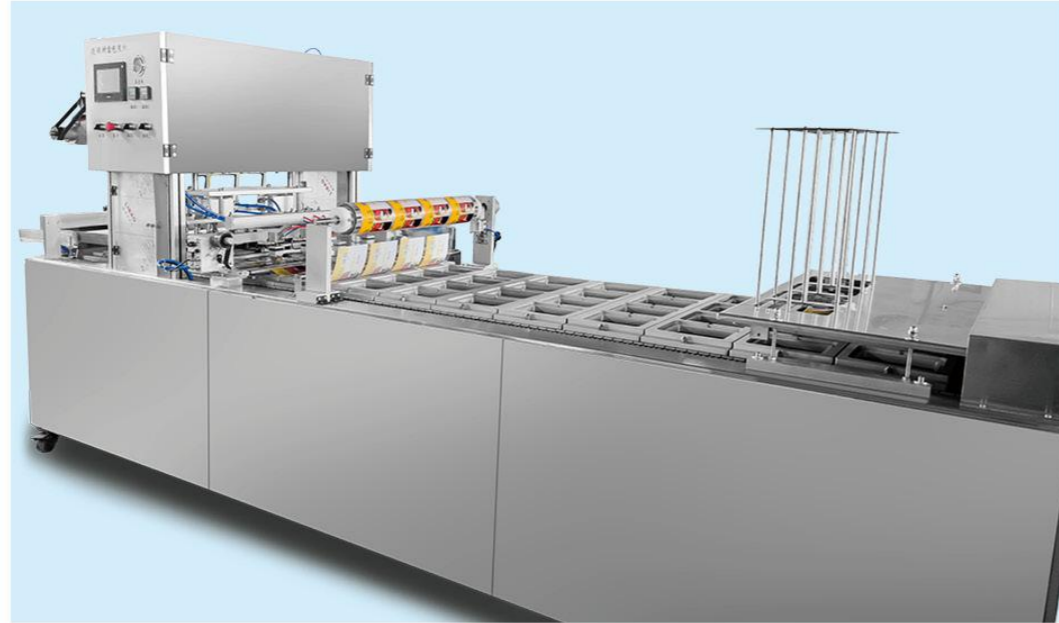
Multifunctional slitting system

According to different products, it can realize round corner slitting, easy tearing, hanging holes, serrated slitting, overall punching and other applications, and the speed of cutter replacement is quick and easy.

● MODIFIED ATMOSPHERE PACKING MACHINE

AUTOMATIC CONTINUOUS MODIFIED ATMOSPHERE PACKAGING MACHINE >>>>

全自动连续气调包装机



INTRODUCTION

This machine is suitable for box packaging of all kinds of foods, continuous and automatic vacuum and automatic mixing of fresh-keeping gas (usually a mixed gas of CO₂, N₂, and O₂), sealing packaging, slitting, and discharging of packaged products (assembly line: connectable to metal detection, Weighing and labeling system).



TECHNICAL PARAMETERS

Model	YC-1000
Maximum box size (4 boxes each time)	custom made
Maximum width of roll film (mm)	custom made
Maximum diameter of roll film (mm)	200
packaging speed box/h	1000-1400
power supply	380V/50HZ
Working voltage (Mpa)	0.6-0.8
Total power KW	7.5
Vacuum pump pumping rate (m ³ /h)	100
Vacuum pump motor power (KW)	2.2
Vacuum configuration	Germany Busch R5-100
Gas replacement rate	≥ 99%
Gas distribution accuracy	≤ 1%
Residual oxygen rate	≤ 1%
Machine weight (kg)	1200
Dimensions (mm)	3500×1100×1860



MODIFIED ATMOSPHERE LOCK FRESH PACKAGING MACHINE >>>>

气调锁鲜包装机

INTRODUCTION

This series of equipment is most suitable for packaging cooked stewed food (such as stewed poultry, vegetarian food), box lunch, bread and pastry, etc. The modified atmosphere packaged food can better maintain the original taste, color, shape and nutrition of the food, and at the same time, combined with its own food technology, it can achieve a longer shelf life. Customers can also customize the equipment by our company according to the actual situation of the shape of the packaging and the output demand.

Model	YC-450	
Maximum box size (4 boxes each time)	custom made	
Maximum width of roll film (mm)	custom made	
Maximum diameter of roll film (mm)	260	
packaging speed box/h	600-800	
power supply	380V/50HZ	
Working pressure (KW)	0.6-0.8	
Total power KW	7.5	
Vacuum pump pumping rate (m ³ /h)	100	
Vacuum pump motor power (KW)	2.2	
Vacuum configuration	Germany Busch R5-100	
Gas replacement rate	≥ 99%	
Gas distribution accuracy	≤ 1%	
Residual oxygen rate	≤ 1%	
Machine weight (kg)	500	
Dimensions (mm)	Double station	1500×1860×1900
	Single station	1500×1500×1900



SKIN VACUUM PACKAGING MACHINE >>>>

贴体真空包装机

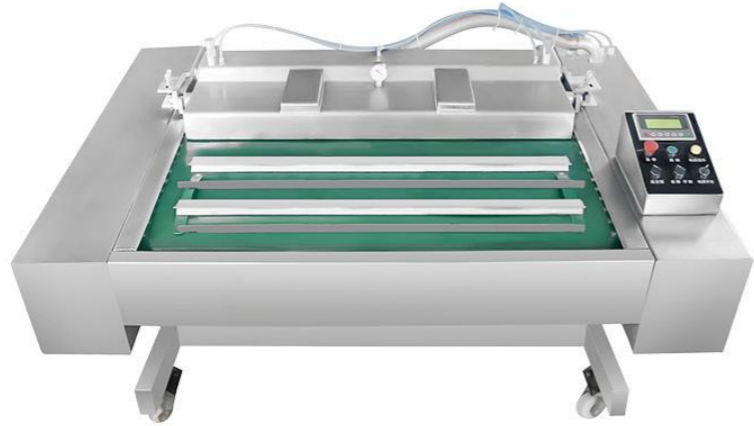
INTRODUCTION

The skin packaging film is heated and softened and covered on the product and the bottom plate. At the same time, vacuum suction is activated under the bottom plate to form the skin film according to the shape of the product and paste it on the bottom plate (color printing paper card, corrugated cardboard or bubble cloth, etc.). After packaging, the product is tightly wrapped between the skin film and the bottom plate, and is used for commercial visual display packaging or industrial shockproof protection packaging. It has strong three-dimensional effect, good visual display effect, good sealing protection, and can effectively prevent moisture, dust and shock. Widely used in hardware, measuring tools, toys, circuit boards and other electronic components, automobile and motorcycle parts, hydraulic and pneumatic components, decorations, ceramic glass products, handicrafts, food and other industries.



● VACUUM PACKING MACHINE

DZ-1000 CONTINUOUS VACUUM PACKAGING MACHINE >>>> DZ-1000 连续式真空包装机



INTRODUCTION

The independent waterproof design of the electrical control box ensures the safety of use and is more convenient to operate. The gas circuit and electrical control components are reliable. The overall structure is made of high-quality stainless steel materials to ensure the durable use of the machine in various working environments.

DZ600/2S AUTOMATIC VACUUM PACKAGING MACHINE >>>>

DZ600/2S 全自动真空包装机

INTRODUCTION

This model is the company's standard product, made of all stainless steel, resistant to harsh environments, long-term continuous use, and high stability. It is currently the leading domestic model. It is suitable for meat, pickled products, aquatic products, seafood, vegetables, and agricultural products, preserved fruits, grains, soy products, medicinal materials, electrical appliances, etc.



DZ600/2S TILT ADJUSTABLE VACUUM PACKAGING MACHINE >>>>

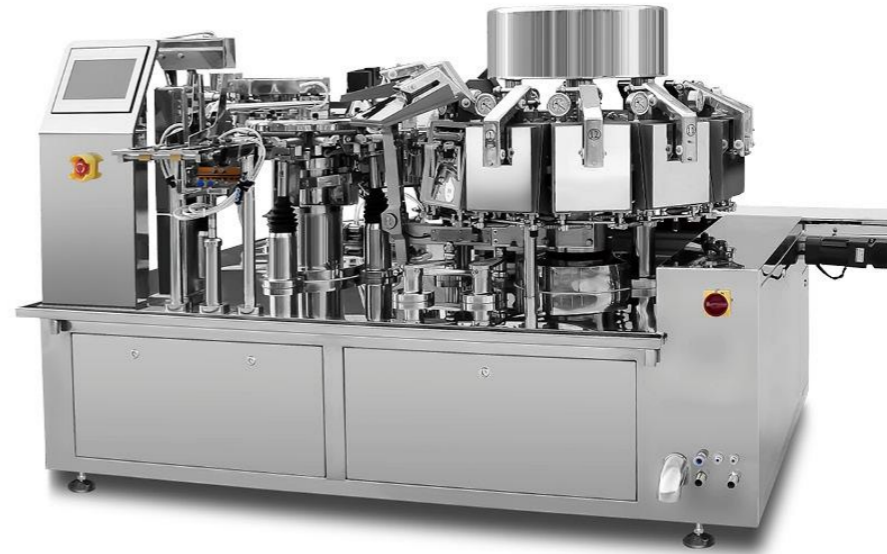
DZ600/2S 倾斜可调真空包装机

Vacuum chamber size (mm)	600×650×120
Sealing size	600×(8-10)×4 bars
Packaging capacity (times/hour)	90-360
Weight (kg)	230
power supply	380V 50HZ 2KW
Dimensions (mm)	1220×680×900



AUTOMATIC ROTARY BAG-FEEDING VACUUM PACKAGING MACHINE >>>>

全自动旋转给袋真空包装机



MAIN PERFORMANCE CHARACTERISTICS

1. Fully automatic rotary bag-feeding packaging vacuum integrated machine (filling system and vacuum system respectively);
2. Convenient operation: PLC touch screen control, man-machine interface operating system, intuitive and convenient operation;
3. Convenient adjustment: It is truly fully automated. You only need to input the required parameters from the man-machine interface, and each part of the packaging machine can be automatically adjusted to the required instructions;
4. High degree of automation: achieve the requirements of fully automatic vacuum, realize unmanned operation in the weighing and packaging process, and automatically alarm when failure occurs;
5. The perfect prevention system can intelligently detect whether the bag is opened and whether the bag is intact, and no material is added or heat sealed when the material is not suitable for feeding, and the bag and materials are not wasted, and the cost is saved;
6. The equipment conforms to the sanitary standards of food processing machinery, and the parts in contact with the equipment are processed with 304 stainless steel or other materials that meet the food sanitation requirements to ensure the sanitation and safety of the food and meet the GMP standards;
7. It is easy to clean and can be cleaned in the vacuum chamber.

PACKING RANGE

Can optional match a variety of metering weigher and feeding system, for fish larvae, pickles, roasted nuts, spicy puffed, cooked products, soy products, fish products, meat products and other materials for automatic packaging operations.

TECHNICAL PARAMETERS

Model	YC-ZK130	YC-ZK160
Drive way	Frequency conversion speed motor drive/servo drive	
Packaging Materials	Aluminum foil bag, composite plane bag, PE bag, cooking bag	
Packing bag specifications	W: 50-130mm L: ≤ 200mm	W: 80-160mm L: ≤ 210mm
Filling range	10g-500g (according to product characteristics)	
Packing speed	30-65 bags/min (speed is determined by product characteristics and filling weight)	
Weighing accuracy	Deviation ≤ ±1% (according to product characteristics)	
Host weight	1600kg	
Host power	4KW(Excluding vacuum pump)	
Drive power	380V three-phase five-wire 50Hz	
Control power	DC24V	
Dimensions	2200x1600x2300mm(Excluding hoist)	
Compressed air consumption	≥ 0.6m ³ /min (compressed air provided by the user)	
Cooling water	Cooling water: 15-20°C, 3L/min (cooling machine is recommended)	

SOME STRATEGIC PARTNERS



EXHIBITION & COOPERATION



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The company reserves the right to continuous improvement of product technology and design,
product information data if there is a change without notice.