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**首达机械**  
**Shouda Machinery**

Food industry filling production line



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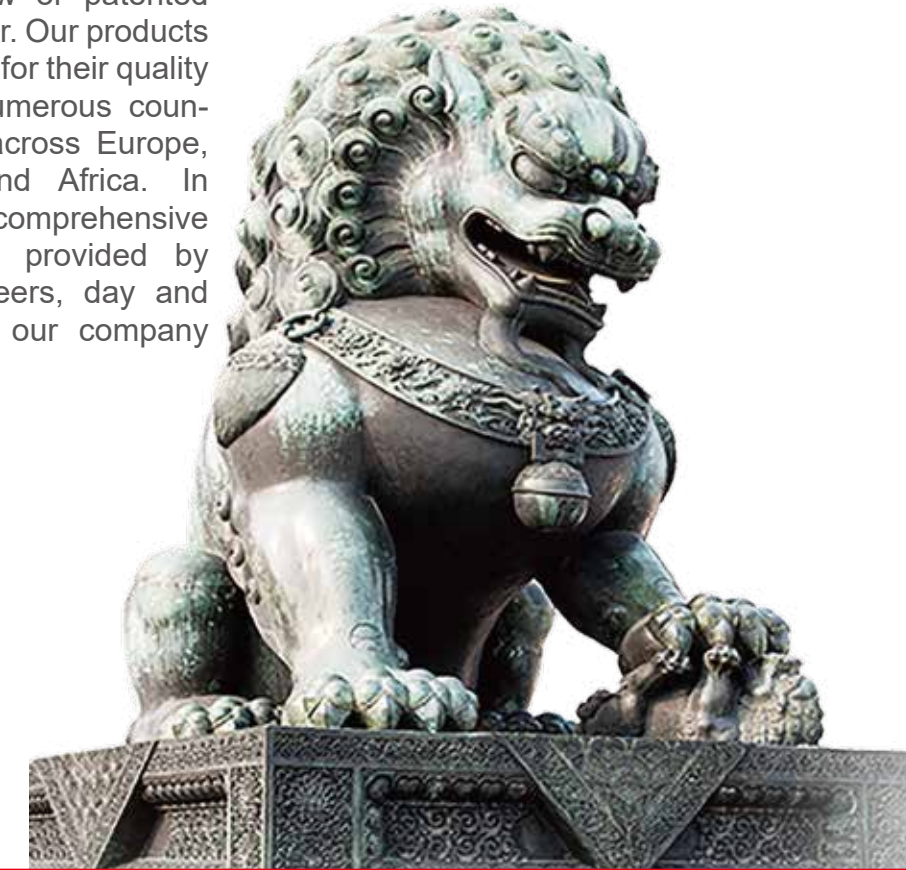




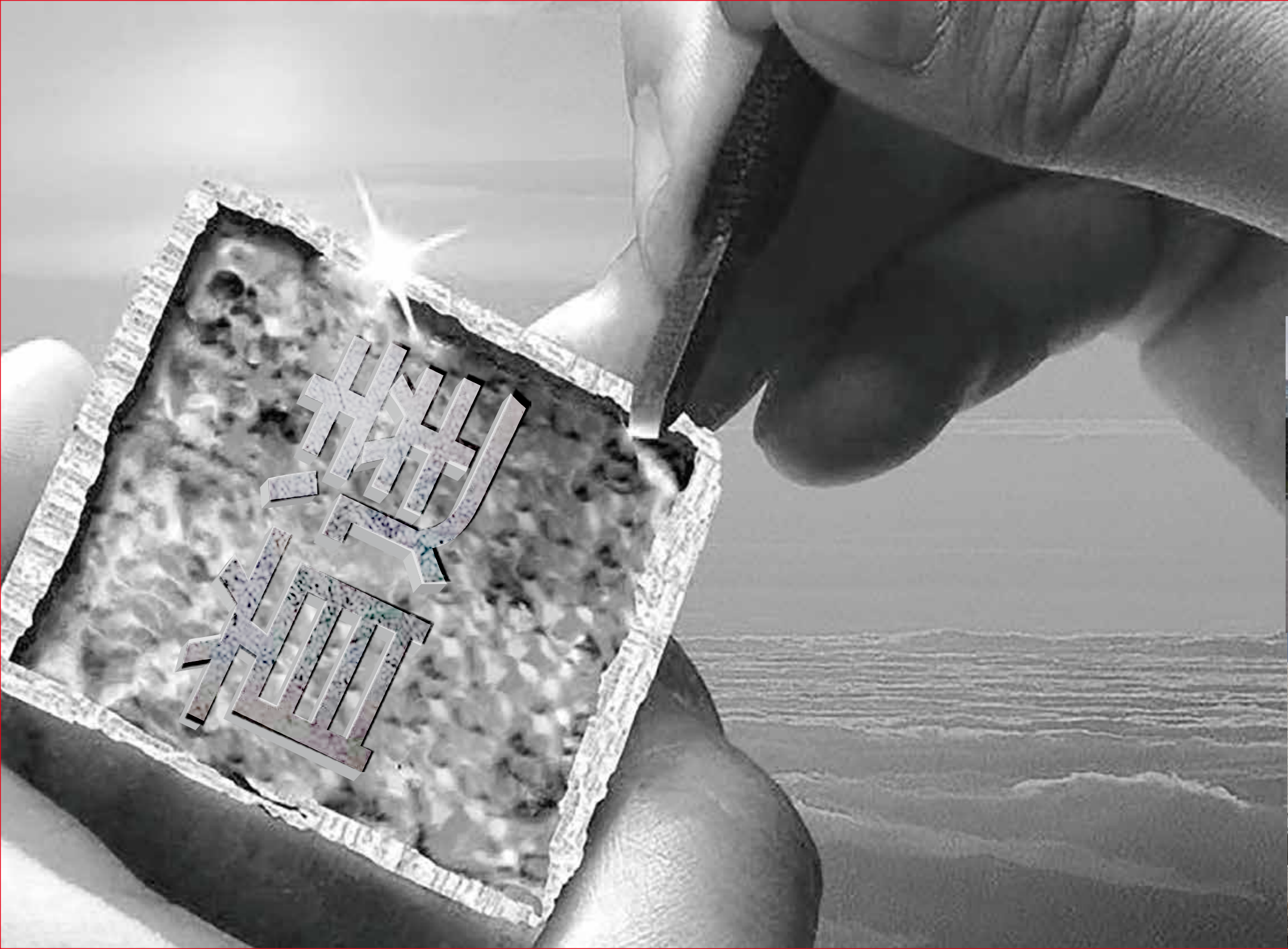
# COMPANY INTRODUCTION

Today, Shou Da Company boasts a young and dynamic modern packaging machinery marketing team with a well-established domestic and international sales network. Shou Da has successfully transitioned from traditional sales to online business operations, becoming a powerful production and sales entity based in China with a global reach. The company adheres to a people-oriented approach and implements standardized, modern, and scientific management practices. Guided by the corporate spirit of "exploration, pragmatism, unity, and efficiency," Shou Da continuously strives for progress.

Our products have been awarded ISO9001 certification and have received accolades such as the "EU CE Certification," "French BV Certification," "Quality Mileage Award," "China's Top Ten Emerging Manufacturers," "Famous Trade-mark in the Industry," and "High-Tech Enterprise." On average, we introduce more than ten new or patented inventions each year. Our products are highly regarded for their quality and are sold in numerous countries and regions across Europe, America, Asia, and Africa. In China, timely and comprehensive after-sales service provided by experienced engineers, day and night, has earned our company widespread praise.

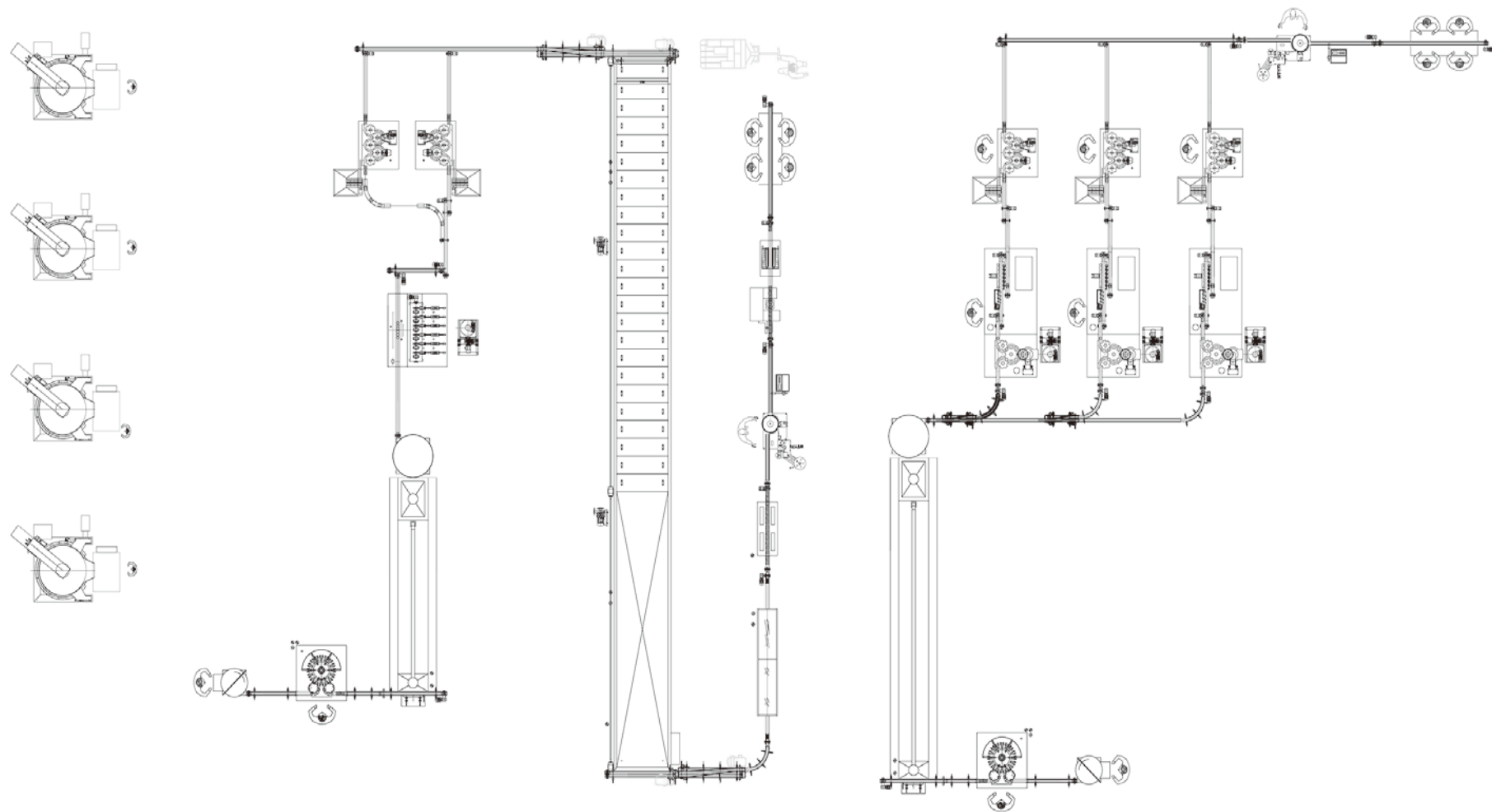






- Company Technology: Exceptional and Leading, Industry Leader
- Product Quality: Precision Craftsmanship, Rock-Solid Stability
- After-Sales Service: Meticulous in Details, Enhancing Customer Value
- Corporate Philosophy: Technological Excellence and Integrity Always

Linear Sauce Filling Production Line Process



Linear filling production line for semi-fluids such as sauces and pastes



**Main Technical Parameters**  
Production Capacity: 30-100 bottles/minute  
Bottle Diameter: Φ30-Φ120mm  
Filling Capacity: 100-500ml  
Filling Machine Power: 3.5KW, 380V, 50HZ

The SD-QGF-1400 type sauce filling production line consists of bottle sorter, bottle washing machine, oven, piston pump filling machine, vacuum capping machine, water bath sterilization machine, cleaning and drying machine, cartoning machine, etc. According to production requirements, it can be equipped with automatic labeling machine, opening and sealing stacking equipment to form a fully automatic production line. This production line is currently the most ideal production line for sauce filling lines. According to customer's production requirements, it can be equipped with six heads, eight heads, ten heads straight filling heads. The production line fully meets GMP requirements.



## Granular Sauce Filling Production Line

The fully automatic granule sauce filling machine integrates optics, machinery, electricity, and pneumatics. It adopts the piston-type quantitative principle, offering high filling accuracy, simple operation, and convenient maintenance. It is particularly suitable for the filling of viscous sauces with particles and a high concentration, such as spicy sauce, hot and spicy sauce, beef sauce, bean paste sauce, fresh spicy sauce, seafood sauce, curry sauce, Sichuan fermented black bean, butter hot pot base, red oil hot pot base, etc.



1. Adopts a horizontal pneumatic piston pump with a large rotary valve structure.
2. Features a full-color Chinese human-machine control interface, making the setup of equipment parameters intuitive and simple.
3. Uses anti-drip filling heads.
4. Ensures a smooth filling process with even distribution of oil materials.
5. Electrical components are from well-known brands, ensuring stable operation and durability.
6. The conveyor belt can operate on dual tracks separately, with filling and capping processes independent of each other, enhancing efficiency.



Production Capacity  
Filling Speed: 30~80 bottles/minute (50~200ML)  
Filling Precision:  $\pm 1-2\%$

## Granular Sauce Screw Filling Machine

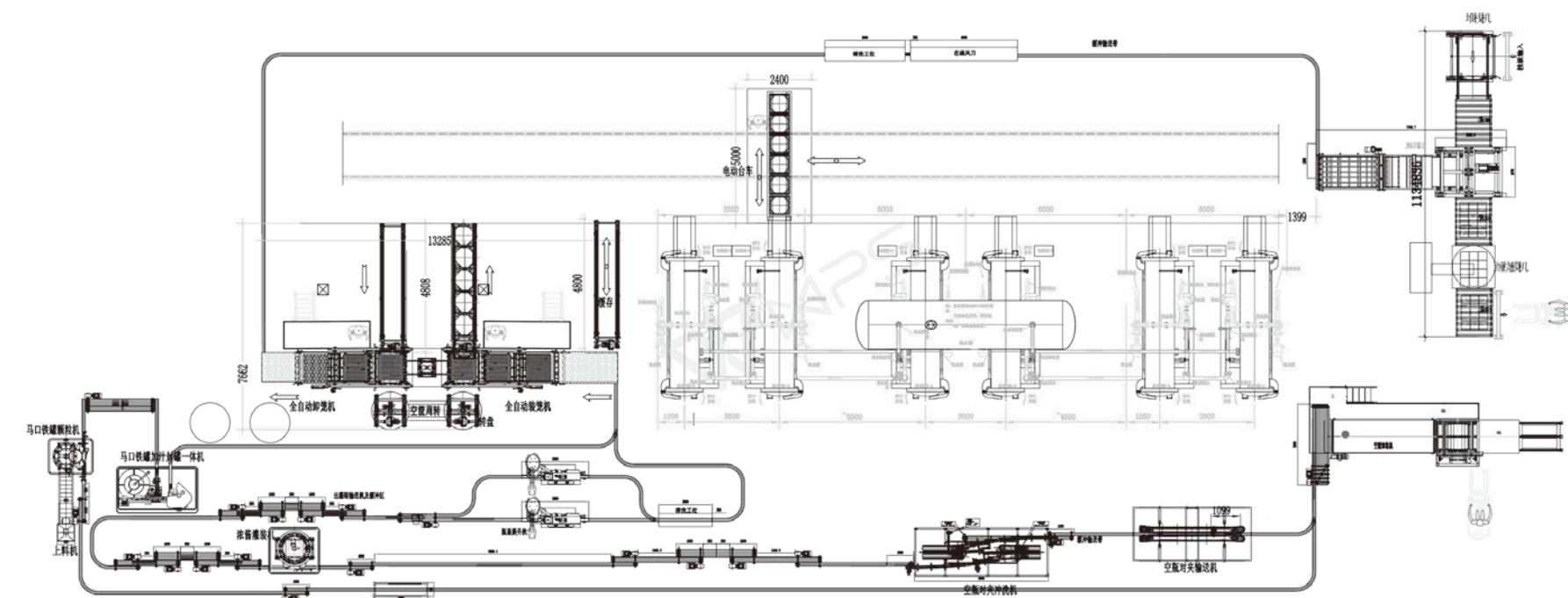
This machine is suitable for wide-mouth bottles, tin cans, plastic cans, and other containers. It is mainly used for various sauce products such as pickled vegetables, mushroom sauce, red oil enoki mushroom sauce, kelp strips, fish sauce, dried radish, plum vegetable, olive vegetable, king oyster mushroom slices, mushroom sauce, mustard greens, Chinese toon seasoning, sauerkraut, and more. The main functions include automatic material feeding when low, automatic servo screw volumetric cup measurement, automatic filling, automatic oil injection, automatic conveying, and more.



1. The system utilizes imported PLC programming control, features a color human-machine interface, and employs servo motors and frequency converters for simple operation.
2. SUS304 stainless steel frame, easy to clean.
3. During the filling process, juice is not easily splashed out, with a unique anti-drip function.
4. Intelligent sensor control ensures filling only occurs in the presence of a bottle, preventing filling if a bottle is missing.



# Rotary High-Speed Sauce Filling Production Line Process



# Rotary Sauce Filling Production Line



The fully automatic sauce filling machine integrates optics, mechanics, electronics, and pneumatics into one unit. It utilizes a piston-type quantitative principle for high filling accuracy. The machine is easy to operate and maintain. Its main material is SUS304 stainless steel, meeting hygiene standards to ensure sanitary filling requirements. The filling process employs pressure filling, simplifying installation procedures and improving filling efficiency. It can be widely applied in the automation packaging production of food and sauce industry products

- 1. The equipment is equipped with a color touch screen, making it convenient for users to adjust parameters and test various functions.
- 2. A variable frequency drive conveyor system allows adjustment according to production speed.
- 3. Made of SUS304 stainless steel, it meets the requirements for food production.
- 4. The equipment frame adopts a closed structure, ensuring safe operation and sanitary use.
- 5. High-precision piston-type metering device;
- 6. Anti-drip filling heads prevent dripping at the filling site;
- 7. The equipment comes with a built-in storage tank and independent cleaning pipelines, making cleaning and material changing convenient.





Linear Liquid Filling Production Line

This machine is suitable for liquids of various viscosities. All contact parts and chemical oil are made of high-quality stainless steel. The machine uses a piston pump for filling. By adjusting the position of the pump, it can accommodate bottles of various specifications, offering fast speed and high precision.



Piston Pump Filling Machine

Item	Piston Pump Filling Machine
Filling Heads	2-2 customizable
Filling Method	Piston Pump Filling Method
Filling Capacity	500-1000ml
Filling Speed	36 bottles/hour based on 1L
Filling Accuracy	±1%
Power	220/380V 50/60Hz 3.5Kw
Air Pressure	0.4 Mpa
Weight	600Kg
Dimensions	L1800*W1200*H1800

Model	SD-DBP
Applicable Bottle Materials	Glass bottles, plastic bottles, ceramic bottles
Applicable Bottle Shapes	Round bottles, square bottles, flat bottles, oval bottles
Applicable Bottle Heights	100-150mm
Production Capacity	3000-10000 bottles per hour
Water Pressure	0.2-0.4Mpa
Water Consumption	1.8 cubic meters per hour
Air Source Pressure	0.3-0.6Mpa
Power	3.0KW



Bottle Clamping Washing Machine



Rotary Bottle Washing Machine

Model	Number of Heads	Maximum Production Capacity (b/h)	Total Machine Power (kw)	Applicable Plate Height (mm)	Air Consumption (m³/h)	Overall Dimensions (mm)
SD-XP_16	16	3000	1.5	180-360	0.7	1550*1430*1900
SD-XP-30	30	8000	2	180-360	2.1	2200*2000*2100



Fully Automatic Rotary Capping Machine



Main Features

This machine ensures no damage to bottles or caps during the capping process, offering high efficiency. It has a long service life for parts, operates smoothly with low noise, and has a wide application range with a high capping rate. The surface is polished for an attractive appearance; the production speed is steplessly adjustable with frequency conversion, making it easy to integrate into production lines. This makes it the ideal choice for large and medium-sized packaging workshops.

Linear Steam Vacuum Capping Machine



Linear Steam Vacuum Capping Machine

Model	Number of Heads	Production Capacity (bottles/hour)	Capping Pass Rate	Overall Dimensions	Main Machine Power
SD-XG-4	4	4500	99%	2000*1300*2400mm	3KW
SD-XG-6	6	6000	99%	2200*1300*2400mm	3KW
SD-XG-8	8	8000	99%	2400*1300*2400mm	3KW

Fully Automatic Vacuum Nitrogen Filling Sealer



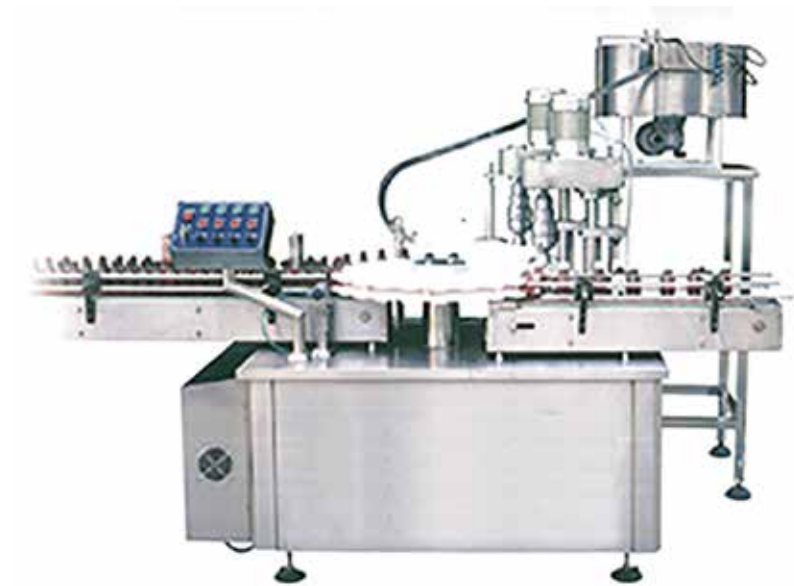
Production Capacity	8-12 cans per minute
Application Range	Can diameter: Φ70-Φ127mm, can height: 80-190mm
Voltage	Three-phase 380V 50/60Hz;
Total Machine Power	4KW
Weight	500kg
Overall Dimensions	2000(L) x 800(W) x 1850(H) mm
Working Air Pressure (Compressed Air)	≥0.6Mpa
Air Consumption (Compressed Air)	Approximately 80L/min

Fully Automatic Vacuum Capping Machine



Power	≤2.3KW (including vacuum pump)
Production Capacity	2200-2500 bottles per hour
Adaptable Cap Types	30-55mm 50-85mm
Adaptable Bottle Height	80-250mm
Adaptable Bottle Diameter	30-85mm 80-150mm
Maximum Vacuum Degree	-0.08mpa
Cap Tightening Torque	5-20N.M
Air Consumption	0.6M3/0.7Mpa
Overall Dimensions	Approximately 3000x1000x1900mm
Weight	Approximately 850kg

Turntable Capping Machine



- 1. Equipped with a variable frequency drive control for stable and reliable operation;
- 2. Rotary working mode for higher efficiency and stability;
- 3. Adjustable torque on the rotating head to accommodate different rotational force requirements;
- 4. Magnetic capping mechanism with an overload automatic disengagement function to better protect the caps from damage;



Rubbing machine

Project	Rubbing machine
Product	Model: SD-CG
Capping Speed	Capping Speed: 25-80 bottles per minute
Capping Range	Cap Diameter Range: 10-55mm (customizable upon request)
Rated Voltage	AC220V 50/60Hz
Power	1500W Max
Air Source	0.4-0.6MPa
Adaptable Bottle Height	50-300mm
Weight	600Kg
Dimensions	2200*1000*1600mm

Fully Automatic Plastic Cup Filling Sealing Machine

Production Process:  
Automatic cup dropping - UV sterilization - automatic quantitative filling - primary sealing - secondary sealing - automatic cutting - automatic cup outputting



- Product Features:
- 1. Unique design, reasonable structure, stable performance, easy operation, simple maintenance, and convenient cleaning;
  - 2. Human-machine interface touch-type intelligent operation panel, function display of each part is simple and clear for easy operation;
  - 3. Secondary sealing ensures sealing quality;
  - 4. Servo-operated quantitative filling, precise volume, no dripping during filling.
  - 5. Finished products are automatically neatly arranged for output;
  - 6. This series of machines uses well-known domestic and international brand electrical and transmission components. According to user needs, a coding machine can be added;
  - 7. Parts in contact with materials use food-grade stainless steel structure, meeting food hygiene standards;
  - 8. Fully automated operation, can be connected with other peripheral equipment for operation.



Particle Weighing Filling Line

This machine is mainly suitable for the automatic quantitative packaging of bulk and block materials, such as various puffed foods, rice crackers, pistachios, candies, biscuits, frozen meatballs, dumplings, tangyuan, pet food, small hardware items, medicinal herbs, etc



- 1. Fully automated operation, integrated packaging process, more efficient and simple.
- 2. Electrical components are from well-known domestic and international brands, with long lifespan and high stability.
- 3. Mechanical parts are of top quality, low wear, and durable.
- 4. The film placement structure is simple and features an automatic correction function.



Linear Particle Filling Machine

This machine adopts PLC, frequency converter, and human-machine interface control systems. It features advanced control technologies such as variable frequency speed regulation, automatic filling with cans, and no filling without cans. Various sensors on the equipment allow for accurate display of production speed and quantity on the touch screen. The production speed can be set by users according to their requirements on the touch screen.



Model	SD-KL-4	SD-KL-6	SD-KL-8
Number of Filling Heads	4	6	8
Filling Volume	500ml	500ml	500ml
Applicable Can Diameter	φ52-99mm	φ52-99mm	φ52-99mm
Applicable Can Height	50-160mm	50-160mm	50-160mm
Production Capacity	35 cans/minute	45 cans/minute	55 cans/minute

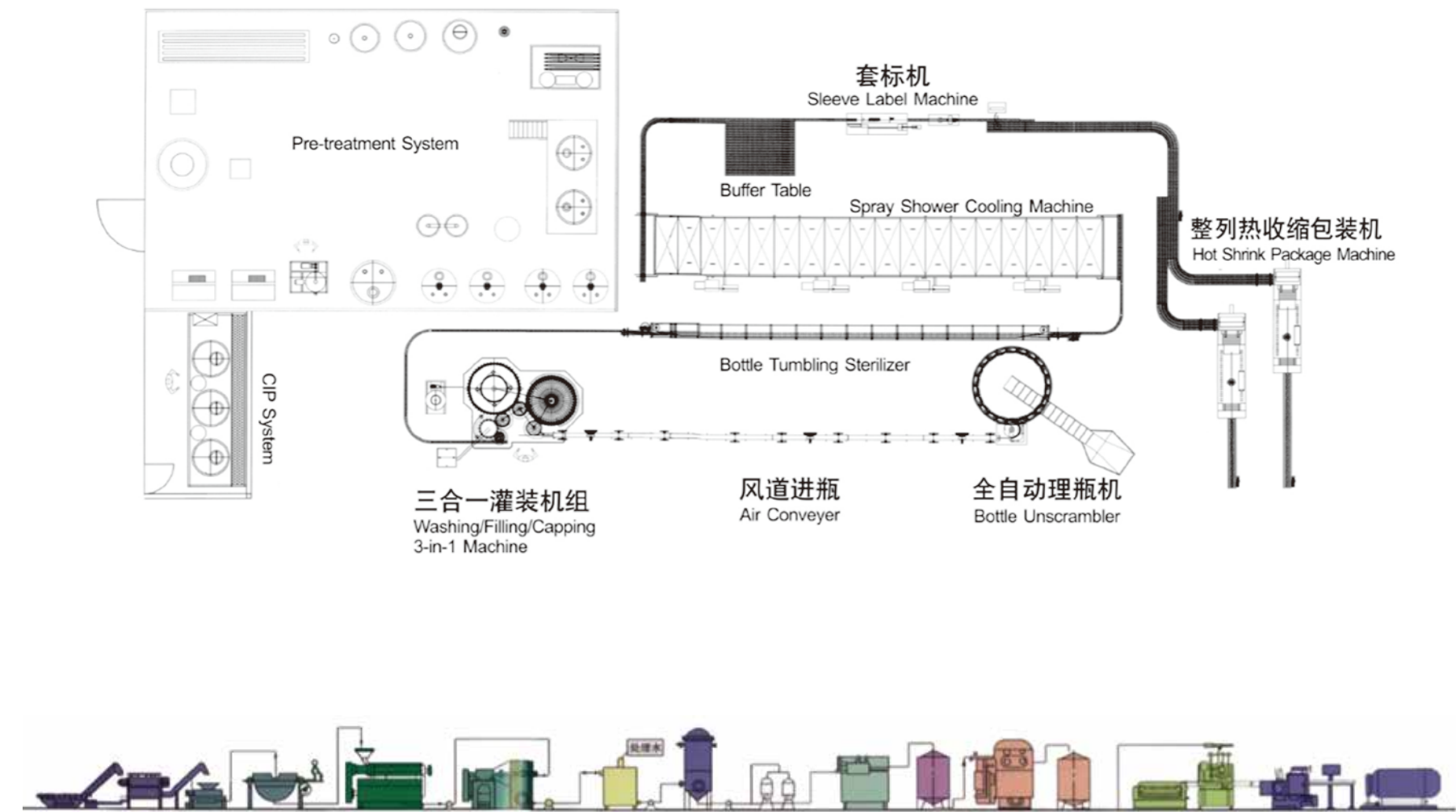


Rotary Granule Filling Machine

This machine adopts PLC, variable frequency drive, and human-machine interface control system. It features advanced control technologies such as variable frequency speed regulation, automatic filling with cans, and no filling without cans. Specifically designed for the quantitative filling of mixed materials, it is suitable for small-volume filling. The machine uses a telescopic quantitative filling method, allowing precise adjustment of volume, and implements no discharging without cans under PLC control. The production capacity is adjustable through variable frequency, and it operates via touchscreen. This machine is particularly suitable for the solid content filling in porridge production enterprises.

Model	SDKGJ18A	SDKGJ32A	SDKGJ42A
Number of Filling Heads	18	32	42
Applicable Can Diameter	52-99mm	52-99mm	52-99mm
Applicable Can Height	50-160mm	50-160mm	50-160mm
Production Capacity	80-250 cans/minute	80-500 cans/minute	80-600 cans/minute
Motor Power	2.2kw	3kw	3kw
Weight	1400kg	1500kg	2000kg
Overall Dimensions	2000*1800*2000mm	2440*2000*2000mm	2400*2000*2000mm

Juice Tea Dairy Complete Production Line



Juice Filling Production Unit

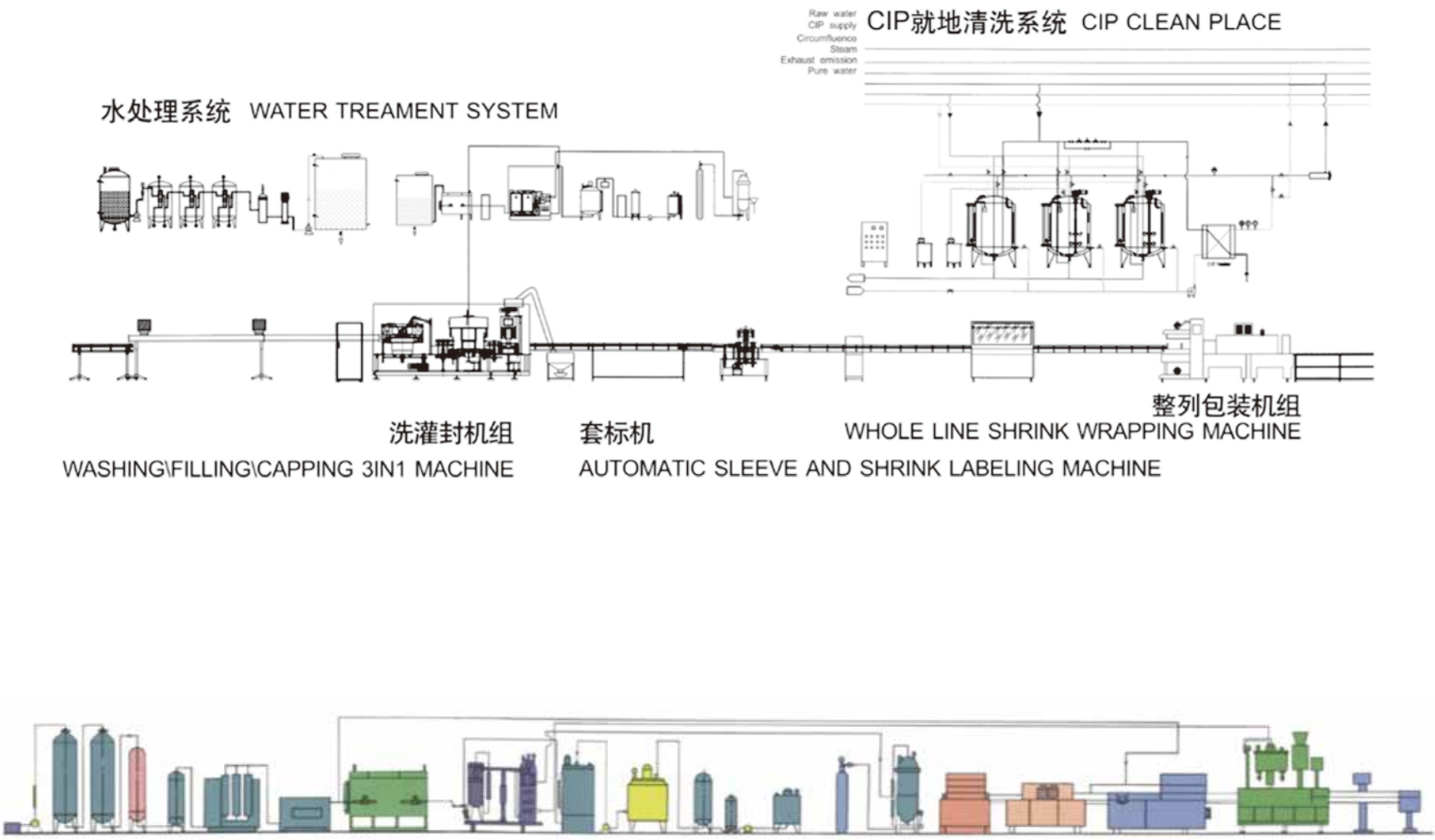
The SD-RXGF model equipment is used for the production of various fruit juice beverage products, with packaging materials including PET bottles, heat-resistant PET bottles, glass bottles, etc. The capacity can be: 250ml, 300ml, 500ml, 1L, 2L、 5L, and more. By replacing a few components, it can accommodate multiple varieties and specifications of products. The SD-RXGF can be combined with automatic bottle unscramblers, sterilizers, fruit juice pretreatment equipment, etc., to form a complete production line. Different fruit juices have different production processes.



Model	Number of Bottle Rinsing	Heads Number of Filling Heads	Number of Capping Heads	Production Capacity (Bottles/Hour)	Main Electrode Power
SD-RX48	48	48	42	22000	5.2
SD-RX32	32	32	10	12000	4
SD-RX24	24	24	8	8000	4



Carbonated Beverage Filling Production Line



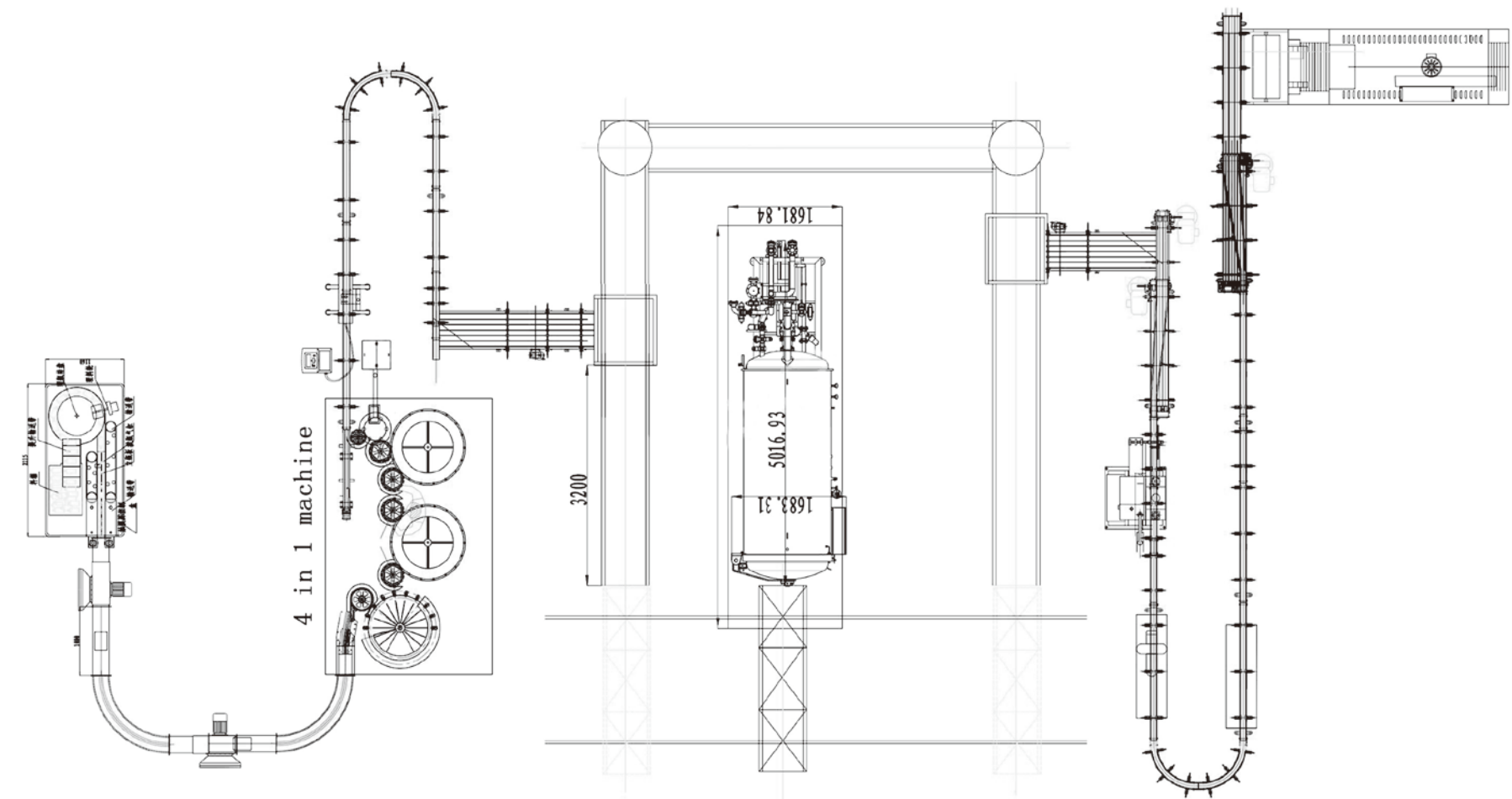
Carbonated Beverage Filling Unit

The SD-DX Tri-Function Filling Machine is designed for the filling of carbonated beverages. This machine integrates washing, filling, and capping into one unit, achieving full automation. It is suitable for polyester bottles and PET bottles used in the filling of carbonated drinks; it can accommodate various bottle shapes, employing a neck-holding technology that allows for easy bottle changing by adjusting the height of the conveyor chain, making operations convenient. The filling method utilizes a new micro-pressure filling technique. Compared to similar equipment, this machine offers faster and more stable filling speeds, higher output, and a lower failure rate, providing excellent cost performance.



model	capacity(b/h)				
	330ml	500ml	1000ml	1500ml	2000ml
SD-DX-24-24-8	6000	5000	4000	3000	2500
SD-DX-32-32-8	9000	8000	6000	5000	4000
SD-DX-40-40-12	11000	10000	9000	8000	6000

Particle Containing Beverage Filling Process



Quadruple Particle Containing Beverage Filling Machine

This machine consists of a rinsing, filling, and capping system. Rinsing: Hold the bottle neck, rotate the filling plate, invert the bottle, internal rinse and external spray to thoroughly clean the bottles. Filling: Hot filling holds the bottle neck, with a special reflux method for the filling valve, preventing leakage after filling and accurately controlling the liquid level. Capping:

The magnetic torque bottle clamping method minimizes the damage rate of bottle caps, ensuring optimal capping performance.

The design of this machine is rational, stable, and safe. When the bottle opening size is the same, only the output starwheel needs to be replaced if the bottles are different. It significantly improves efficiency.



Model	SDXOOF-40-40-12	SDXOOF-32-32-10	SDXOOF-24-24-8	SDXOOF-18-18-6	SDXOOF-12-12-4
Filling Volume	500ml				
Applicable Bottling	PET or glass bottles				
Bottle Size	Neck diameter: φ50-φ110mm Height: 150-310mm				
Capacity	16000BPH	12000BPH	8000BPH	6000BPH	3000BPH
Filling Accuracy	≤±1%				
Air Pressure (Mpa)	≤0.4Mpa				
Power Consumption (kW)	7.2	6.0	5.2	5.0	4.4
Nominal Voltage	380V/50HZ	380V/50HZ	380V/50HZ	380V/50HZ	380V/50HZ
Weight (kg)	6800	6000	4200	3000	2800



Tin Can Filling and Sealing Machine

This machine is an exclusively developed equipment based on the digestion and absorption of domestic and foreign can filling and sealing machines (sealing machines).



Model	BW6T300	BW4T250	BW4T150
Number of Sealing Heads	6	4	4
Number of Filling Heads	28	18	12
Production Capacity	100–300 cans/minute	30–250 cans/minute	30–170 cans/minute
Applicable Can Diameter	φ52.5–83.3mm	φ52.5–99mm	φ52.5–99mm
Applicable Can Height	70–133mm	39–160mm	39–160mm
Power Consumption	7.5kw	7.5kw	5.5kw
Weight	4000kg	4000kg	3100kg
Overall Dimensions	3600*2200*2100mm	3050*1750*1900mm	2700*1400*1900mm

The machine adopts PLC, variable frequency drive, human-machine interface control system, featuring advanced control technologies such as variable frequency speed regulation, automatic filling with cans, and no filling without cans. Various sensors on the equipment allow for accurate display of production speed and quantity on the touchscreen. The production speed can be set by the user on the touchscreen according to requirements. The entire machine has various protections for the main motor and other electrical appliances, such as overload and overpressure. At the same time, the touchscreen will automatically display corresponding faults, making it convenient for users to find the cause of the fault. The main electrical components of this machine are from internationally renowned brands and can also be customized according to customer requirements. This machine features a fast filling speed, consistent liquid level in the can after filling, stable operation of the whole machine, high-quality sealing, aesthetically pleasing design, and convenient use and maintenance.



Automatic Bottle Washing, Filling, and Electric Sealing Machine

This machine is suitable for filling and sealing aluminum foil-sealed bottles of milk, lactic acid bacteria milk, soy milk, juice, and other beverages. It operates at atmospheric pressure, automatically placing the aluminum foil and using electric heating for sealing. The entire process is automated and suitable for various plastic bottles and new material bottles. The machine's hopper comes with a stirring function to ensure that the material is evenly mixed. The PLC control system, photoelectric temperature control system, and other electric or pneumatic components are all from internationally renowned brands.



Model	Capacity	Applicable bottle	Power(KW)	Dimen sion(M)
SD–GF18–18–24–14	6000 B/H		10kw	3.9*2.1*2
SD–GF18–18–26–14	8000 B/H	Diametre:50–110mm	10kw	3.9*2.2*2
SD–GF24–18–28–14	10000 B/H	Height:150–300mm	10kw	4*2.2*2
SD–GF24–24–30–16	12000 B/H		11kw	4*2.4*2
SD–GF30–24–30–18	16000 B/H		12kw	4.5*2.4*2

Automatic Tin Can Filling and Capping Machine

Introduction:

This machine is equipped with advanced control technologies such as a PLC control system, variable frequency drive, and human-machine interaction inter-  
face, featuring functions like variable frequency control and no-can-no-fill. The main motor and other electronic components are housed in the electrical  
cabinet, and all major electric and pneumatic components of this machine are from internationally renowned brands.



Model	SD-HXSGZ250	SD-HXSGZ150
Capping nozzles	4	4
Filling nozzles	18	12
Capacity	30-250cans/min	30-170cans/min
Diameter	52.5-99mm	52.5-99mm
Can Height	39-160mm	39-160mm
Power	7.5kw	5.5kw
Weight	5000kg	3100kg
Dimension	3050*1750*1900mm	2700*1400*1900mm



High-Speed Thick Sauce Tin Can Filling and Sealing Machine

This machine is suitable for the precise filling of various thick sauces (such as tomato sauce, chili sauce, jam, etc.), juices containing hard fruit pieces or  
other particles, and pure liquids. It comes equipped with a PLC, variable frequency drive, and an advanced human-machine interaction operating system  
featuring variable frequency control and a no-can-no-fill function.



Model	SD-NJGZ12	SD-NJGZ30
Capping head	4	6
Filling bead	12	30
Height	50-160mm	50-160mm
Diameter	52-99mm	52-99mm
Capacity	80-200c/min	80-200c/min
Power	5.5kw	7.5kw
Weight	4000kg	5800kg
Dimension	2800*1600*1900mm	3214*2104*1900mm



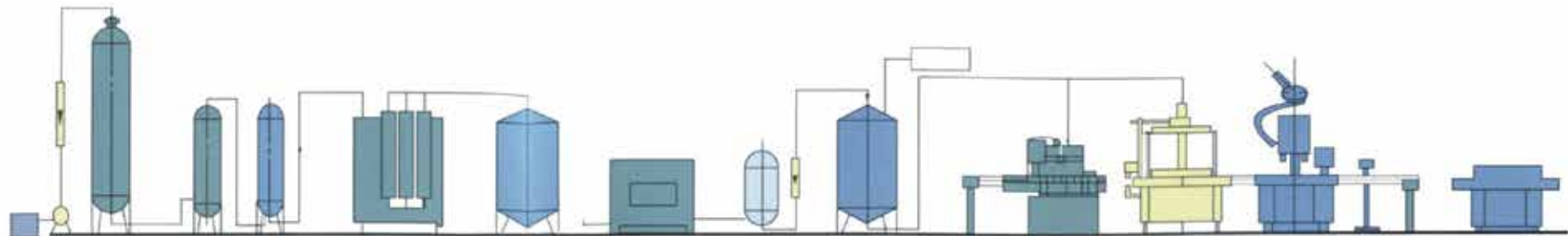


Powder Tin Can Vacuum Nitrogen Filling and Sealing System



Filling Capacity	100-1000 grams
Can Size	#300, #401, #502, can height: 60~260 millimeters
Sealing Speed	6~7 cans per minute
Filling Accuracy	Error within $\pm 1\sim 1.5$ grams (depending on material)
Oxygen Residue After Nitrogen Filling	$\leq 3\%$
Power Requirements	380V 50Hz three-phase power supply
Total Power	48.33kW
Air Supply Requirements	Air supply pressure not less than 0.6Mpa, air supply volume not less than 1.45 cubic meters per minute
Nitrogen Source Requirements	Purity greater than 99.99%, pressure not less than 0.4Mpa, each vacuum nitrogen sealing machine requires 3.5 cubic meters per hour of pure nitrogen
Overall Canning Speed	7~50 cans per minute, the speed depends on the number of vacuum nitrogen sealing machines; for example, six machines would allow a total production rate of 42 cans per minute

Purified Water Filling Production Line



Automatic Liquid Weighing Filling Machine

Introduction:  
This filling machine is equipped with a PLC control and a weighing feedback metering system, offering higher weighing accuracy. All operations can be completed via the touch screen, ensuring stable operation and reliable mechanism. It is widely used for filling 5~30 liters of oil and other liquids.



Technical Parameters	
Number of Filling Heads	2, 4, 6, 8 heads
Applicable Products	Oil and various liquids
Power Parameters	380V 50Hz
Container Capacity Range	5~30L
Filling Accuracy	Accuracy within $\pm 0.1\%$
Filling Speed	When filling 5-liter containers, 400~1500 bottles per hour
Machine Weight	800 kg
Approximate Machine Size	Length 1500 mm/Width 1200 mm/Height 1850 mm

Fully Automatic Depalletizer

The SD-400A high-position automatic pallet unstacker is primarily designed for the automatic unstacking of full pallets of tinplate (cans) and glass bottles. It lifts the cans stacked on pallets from the bottom up, layer by layer, and pushes them onto the conveyor chain. When used in conjunction with an empty can rinsing machine, it replaces manual can arrangement and traditional empty can unloading machines, saving a significant amount of labor and increasing production capacity.

Model	SD-400A
Production Capacity	100-400 cans/minute
Total Power	4.5kw
Weight	300kg
Dimensions	9000*4000*3000mm





## Round Bottle Labeling Machine

### Optional Configurations

1. Hot stamping/ink jet printing function;
2. Automatic feeding function (vertical bottle feeder);
3. Automatic collection function (to be considered in conjunction with the product);



1. The same machine can apply single, double, and neck labels to round bottles, with flexible adjustment of label spacing;
2. 3-axis traction mechanism, precise labeling accuracy;
3. High labeling quality, with high overlap precision, smooth label surfaces, and no bubbles;
4. An automatic bottle separation mechanism effectively eliminates unsmooth bottle separation, improving stability;
5. A touch screen human-machine interface for simple operation, with built-in tutorial functions for intuitive understanding and easy switching between various functions;
6. Intelligent control with automatic photoelectric tracking, featuring no labeling without a product, automatic correction for missing labels, and automatic label detection to avoid wasting labels and missing applications;
7. Robust and hygienic, made from superior raw materials, sturdy quality, meeting GMP production requirements;
8. Features automatic stop, production counting, energy saving, production number setting reminders, and parameter setting protection functions, facilitating production management;

## High-Speed Labeling Machine



1. This equipment is the new third-generation high-speed labeling machine, featuring a rotary star wheel structure that can handle both vials and ampoules with an upright feed, label, and discharge operation mode. Compared to the previous generation's upright feed, horizontal labeling, and horizontal discharge method, it significantly reduces bottle breakage rates and issues related to collecting labeled bottles after labeling.
2. The entire machine adopts a mature PLC control system, ensuring stable and high-speed operation of the whole unit.
3. The operating system uses a touch screen control for simple, practical, and efficient operation.
4. The advanced pneumatic coding system features clear print quality, speed, and stability.
5. High-power imported servo motors are selected for fast label dispensing speed and precise positioning.
6. The conveyor rolling bottle design ensures stronger adhesion of labels.
7. The body and components are made from S304 stainless steel and high-grade aluminum alloy materials treated with two surface processes, making them rust-proof and highly corrosion-resistant.
8. Features such as no labeling without a product, automatic alarm or automatic rejection for missing labels, broken labels, and transparent label application without wrinkles or bubbles, among others (optional), enhance its functionality

## The fully automatic carton labeling machine

features the following process flow:

1. The machine adopts a combination mode of a labeling head and an independent electrical cabinet. The labeling head can be installed beside the production line to apply side labels to products as they pass by.
2. When the object detection sensor senses the product passing, it sends a signal to the PLC. The PLC controls the labeling mechanism to peel off a label and adhere it to the labeling head. The labeling cylinder then activates to apply the label to the product's side.
3. This process repeats, completing the labeling action for each product.

The equipment is either mounted directly on the production line or installed beside it to label products as they move through, ensuring that the labels are applied neatly and with high precision and efficiency. It saves labor costs entirely and can address the automatic labeling needs of unmanned production workshops.

Main technical parameters include:

Voltage specification: 220V 50/60Hz

Power consumption: 550W

Labeling speed: 0-25 meters per minute

Labeling accuracy:  $\pm 1\text{mm}$

Label specifications: Height 10mm~120mm, length 10mm~300mm (customizable for special specifications)

Core diameter of paper roll:  $\Phi 76\text{mm}$ , maximum outer diameter of paper roll:  $\Phi 300\text{mm}$

Label pitch: 2.5-3mm, labels wound in a clockwise direction

Weight: 220KG



Double-Sided Labeling Machine

The double-sided labeling machine uses a self-adhesive roll of label paper and employs a rolling method for label application. It is equipped with automatic bottle feeding and collecting devices, completing the procedures of bottle placement, labeling, and collection in one go. Additionally, it can be fitted with a printer to synchronously complete label printing. This machine utilizes computerized fiber optic control, synchronized tracking, and label dispensing controlled by an interactive stepping motor to ensure that the label dispensing speed matches the bottle rolling speed, making it an automated packaging machinery.

- 1. It adopts a mature PLC control system for stable and high-speed operation;
- 2. The touch screen human-machine interface operating system is simple and efficient;
- 3. The upgraded label wheel design is also suitable for tapered bottles;
- 4. The synchronous chain mechanism ensures smooth and precise label calibration;
- 5. The advanced technology of the pneumatic coding system allows for batch number and expiration date printing;
- 6. The conveyor-style rolling of bottles ensures more secure attachment of labels;
- 7. No wrinkles or bubbles are produced.



Multi functional labeling machinell



The fully automatic flat-round multifunctional labeling machine is a round bottle labeling machine that can simultaneously achieve double-sided labeling and circumferential labeling functions. It meets the single-side and double-side labeling needs of flat bottles, square bottles, and irregularly shaped bottles, as well as full and half circumference labeling for cylindrical objects. It is widely used in the cosmetics industry and daily chemical industry.

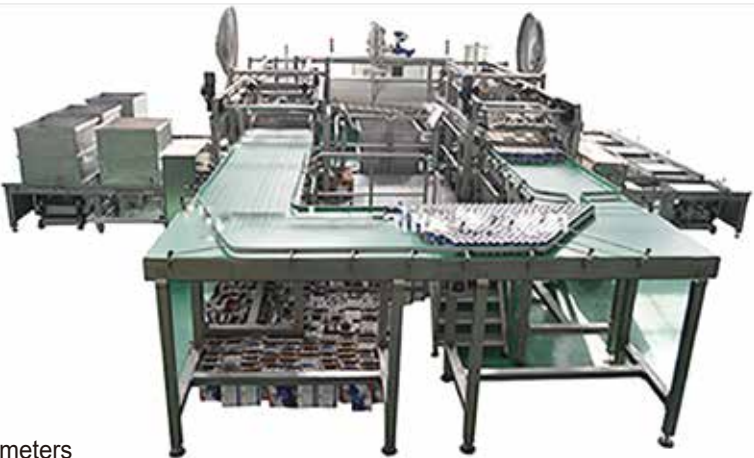
- ◆ Applicable Label Roll Outer Diameter (mm): Φ280mm
- ◆ Applicable Label Roll Inner Diameter (mm): Φ76mm
- ◆ Labeling Accuracy (mm): ±1mm
- ◆ Label Dispensing Speed (m/min): Stepper: 5~19m/min    Servo: 5~40m/min
- ◆ Labeling Efficiency (pcs/min): Stepper: 30~160pcs/min (depends on the object being labeled and label size)
- ◆ Servo: 50~200pcs/min (depends on the object being labeled and label size)
- Conveyor Speed (pcs/min): 5~18m/min



Sterilization Kettle

**Main Features:**  
High temperature, short-time sterilization. The sterilizing distilled water is heated to the required temperature beforehand, thereby shortening the sterilization time and improving work efficiency.  
It saves energy and increases production capacity. The working medium used during the sterilization process can be recycled, saving energy, time, labor, material consumption, and reducing production costs. Two sets of distillers work with one water tank simultaneously, doubling the production capacity compared to a double-layer steamer.  
For flexible packaged products, especially large packages, the heat penetration speed is fast and the sterilization effect is good.  
The heat distribution is uniform, making it easy to control product quality.

Automatic loading and unloading cage



Technical Parameters

PLC	Siemens/Schneider
Inverter	Schneider
Drive Motor	Omaite
Production Capacity	3-4 layers/minute
Installation Power	15kw
Maximum Height	1800mm



Pasteurization Tunnel

The pasteurization cooling machine is suitable for various types of low-temperature meat products, pickled vegetables, salted vegetables, marinated vegetables, soybean paste, kimchi, mustard greens, wild mountain vegetables, fruit jams, bean products, dairy products, and other vacuum-sealed soft-packaged foods, as well as sauces in flexible tubes and bottles, glass bottle-packaged pickles, marinated vegetables, fruit jams, and canned goods for sterilization. The pasteurization machine is also applicable to the blanching or pre-cooking processes of fruits, wild mountain vegetables, and other specialty fruits and vegetables.



Spray Cooling Sterilization System



Product Name	Spray Cooling Sterilization System
Output	8000-12000BPH
Maximum Sterilization Temperature	85 C
Exit Bottle Temperature	30 C
Processing Time	45 minutes
Sterilization Time	20 minutes
Steam Consumption	800kg/hour

Inverted Bottle Sterilization Machine



The inversion sterilization machine is primarily used for sterilizing the untreated parts of the bottle mouth and cap inner wall of PET polyester bottle-packaged beverages such as juices and tea after hot filling. This machine mainly consists of a conveyor chain system, bottle inversion chain system, frame, and bottle flipping guide rods. It achieves automatic inversion for sterilization and self-resetting. Moreover, during the sterilization process, it utilizes the high temperature of the contents within the bottle to sterilize the bottle mouth and cap inner wall without the need for any additional heat sources, thus achieving energy savings. The machine is made from SUA304 material, which is aesthetically pleasing and convenient to use.

Bottle Warmer



Model	SD-4000	SD-6000	SD-12000	SD-16000
Output (bottles/hour)	3000-5000	6000-9000	10000-15000	24000-36000
Applicable bottle types	Glass bottles, PET bottles, tin cans, etc.			
Temperature (degrees Celsius)	37-45			
Bottle warming time (minutes)	12-15			
Conveyor speed (mm/minute)	100-550			
Width (meters)	1.22			
Air consumption (m³/min)	<0.4			
Water consumption (kg/hour)	6	9	15	28
Steam consumption (kg/hour)	80	120	250	280
Power (kw)	6	7.55	8.6	18
Dimensions (mm)	6200*1500*1700	15800*1500*1700	15800*1500*1700	22000*1800*1700
Weight (kg)	2500	3200	4300	5000

**Packaging Conveyor System**



Hot Shrink Wrap Packing Machine SDH-6 (As shown in the picture)

The heat shrink packaging machine mainly consists of seven servo motors. Through the coordination between these seven synchronously operating motors, items on the assembly line are packaged into groups of several bottles each, wrapped in plastic film, after exiting the heat shrink packaging machine.

Laser Marking Machine  
(As shown in the picture)



Laser Smoke Extraction System  
(As shown in the picture)



- 1. Can print 1-3 lines, adjustable font size
- 2. Printing speed 100m/min, barcode 30/min
- 3. 125m | Ink can print 30 million characters (3mm high)
- 4. Can store 100 pieces of setting information
- 5. Suitable for materials such as metal, plastic, glass, paper, etc

**Opening, Packaging, and Sealing All-in-One Machine**



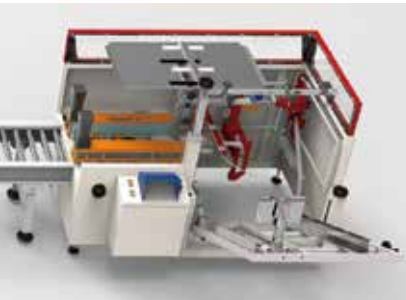
Case Opening and Sealing Machine



Carton Sealer



Online Weighing Machine



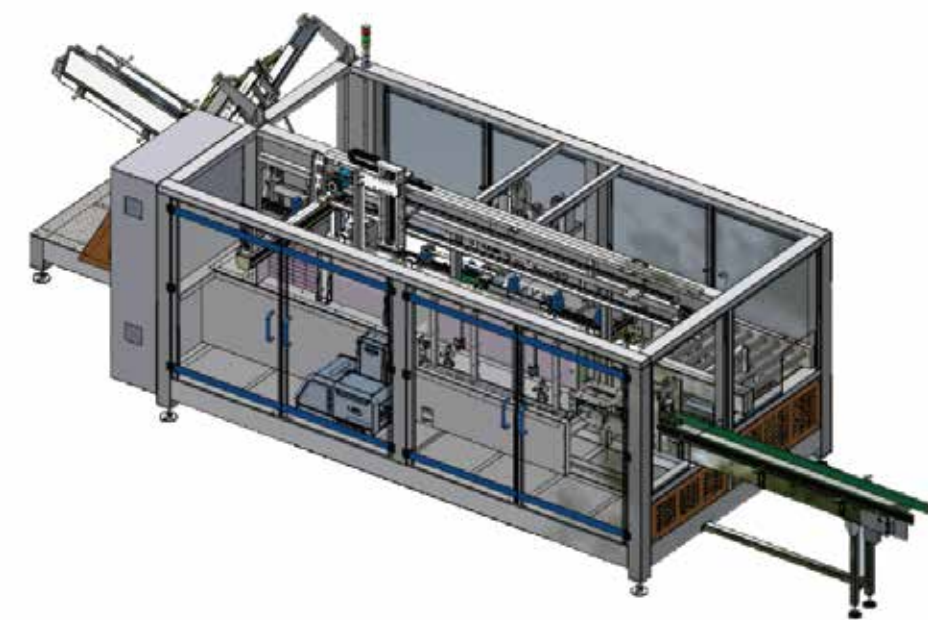
Case Opener



Carton Erectori



## Fully Automatic Wrapping Machine



### Technical Parameters

Power Supply: Three-phase 380V, 50HZ  
Power Consumption: 5KW  
Air Pressure: 0.6MPa  
Air Consumption: 450NL/minute  
Production Capacity: 8-12 boxes/minute (depending on material)  
Material of the Machine Body: The main frame is made of carbon steel square tube welding, with a surface plastic spray treatment.

### Applicability of the Machine:

This machine is suitable for special product packaging, such as PET, PE, PP bottles, and canned goods, offering wide usage and strong practicality.

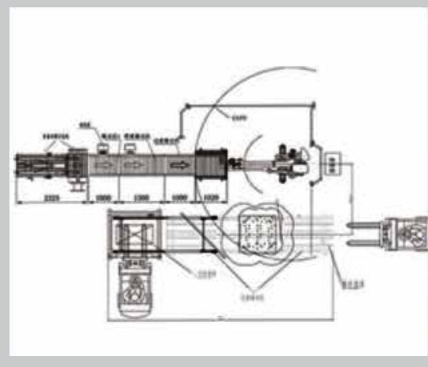


## Robot Palletizing System



### Abstract

A palletizer is a machine that automatically stacks cartons, which have been packed into containers, onto a pallet in a specified arrangement. It can stack multiple layers and then push them out for easy transportation to the warehouse by a forklift. This equipment is controlled by PLC+touch screen, achieving intelligent operation management, which is simple and easy to master. It can significantly reduce the number of laborers and lower the intensity of labor.





# Sleeve Labeling Machine



## Label Sleeve Machine Technical Parameters:\*\*

- 1. Main Unit Dimensions: 1000L\*1200W\*1800H (mm)
- 2. This model includes a 2-meter conveyor belt (excluding power and chain plate)
- 3. Weight of the Sleeve Machine: 500 kg
- 4. Bottle Diameter Range: 25~125 (customizable according to customer requirements)
- 5. Bottle Height: 15~320 (mm) (customizable according to customer requirements)
- 6. Suitable Bottle Shapes: Round, square, oval, rectangular
- 7. Label Length: 35~200mm (max)
- 8. Label Thickness: 0.035~0.08mm
- 9. Core Diameter of Paper Roll: 3~10mm
- 10. Power Supply for Sleeve Machine: AC 3φ380V
- 11. Power Consumption of Sleeve Machine: 2kw
- 12. When bottle shape or size changes, it is necessary to replace the central guide column and bottle separation screw.
- 13. The conveyor belt in the area where the sleeve is located is controlled by the sleeve.

## Steam Shrink Tunnel Technical Parameters:

- 1. Shrink Tunnel Dimensions: 2000L\*800W\*900~1600H (mm).
- 2. Power Consumption: 1KW.
- 3. Power Supply: AC3φ380.
- 4. Steam Pressure: Approximately 3~5KG.

## Electric Heating Shrink Tunnel Technical Parameters:

- 1. Electric Heating Shrink Tunnel Dimensions: 2000L\*800W\*900~1600H (mm)
- 2. Power Supply for Electric Heating Shrink Tunnel: AC3φ380.

Widely used in industries such as food, pharmaceuticals, 3C products, daily chemicals, e-commerce, and more.

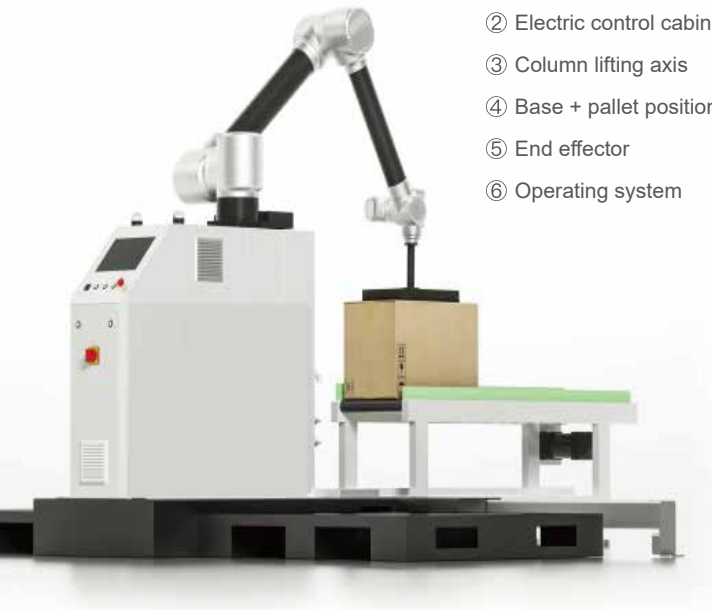
# Convenient Collaborative Palletizing Robot

## Technical parameters:

- 1. Maximum stack height: The lifting mechanism can stack up to a maximum height of 2100mm (including the pallet); typically up to 1600mm (including the pallet).
- 2. Pallet size: 1200mm x 1000mm - 1400mm x 1400mm;
- 3. Maximum load: 12KG - 30KG
- 4. Working radius: 1460mm - 1900mm
- 5. Fastest stacking speed: 8 boxes/minute; expandable up to 11 boxes/minute
- 6. Stackable box dimensions: L(260-500)mm \* W(200-450)mm \* H(150-400)mm
- 7. Safety accessories: Optionally equipped with safety light curtains + safety fence, laser radar
- 8. IP rating: The robotic arm is IP54 rated, and the gripper and other accessories conform to IP32
- 9. Interface: Supports multiple safety inputs and outputs, including emergency stop, safety protection, manager mode, and manufacturer setting mode
- 10. Safety functions: Emergency stop function, reserved external safety interface (controllable via I/O interface)
- 11. Indicator light status: When normally powered on, the indicator light stays green; when powered off, the indicator light goes out

## Workstation components:

- ① Collaborative robot
- ② Electric control cabinet
- ③ Column lifting axis
- ④ Base + pallet positioning
- ⑤ End effector
- ⑥ Operating system



Preparation→Code Setting→Stacking at Position A→Stacking at Position B→Completion

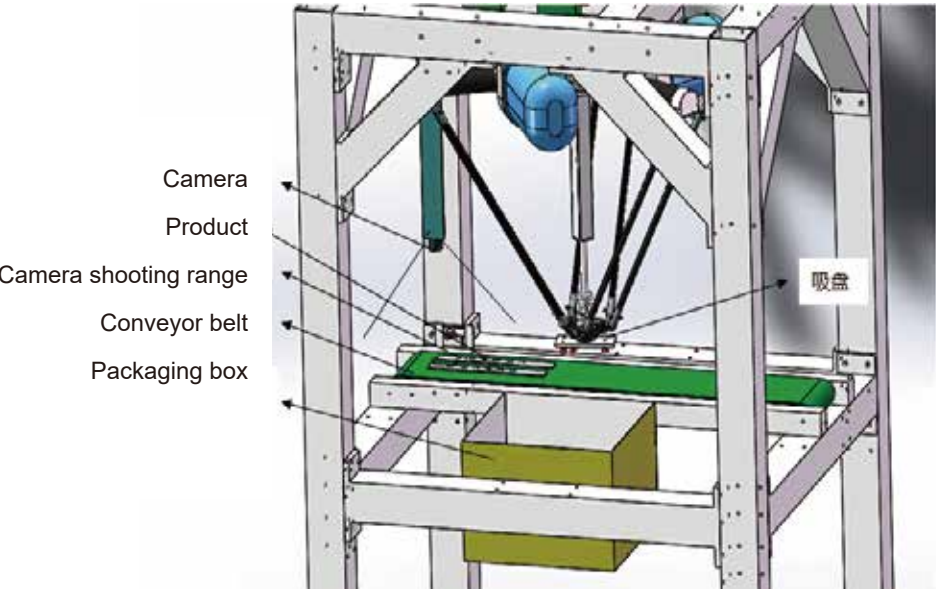


Safe and stable   Flexible deployment   Easy programming   Flexible production



Smart Spider Manipulator

Widely used in industries such as pharmaceuticals, food, electronics (3C), daily chemicals, and hardware sorting.



Models	800D	1000D	1200D	1400D	1600D
Number of control axes	3 or 4				
Rated load	3-12KG	3-12KG	3-12KG	3-12KG	3-12KG
Power	1.2-5KW	1.6-5KW	2.5-5KW	2.5-5KW	2.5-5KW
Working range	X=800mm	X=1000mm	X=1200mm	X=1400mm	X=1600mm
	Y=250mm	Y=300mm	Y=400mm	Y=470mm	Y=600mm
Repeatability accuracy	±0.05mm				
Robot weight	Approximately 72KG				
Mounting method	Suspended				
Electrical control system	R4	R4	R4	R4	R4
Maximum operating speed	60-100 cycles/minute (depending on the object)				
Drive method	Servo drive				
Human-machine interface	10-inch touch display/7-inch teaching pendant				
Vision positioning module	130W camera, light source, lens (optional)				

Features precise positioning, stability, reliability, and high flexibility.  
Unique spring design extends service life and enhances safety.  
Innovative fourth axis with rotational accuracy up to 0.05 degrees.  
Inverted installation with excellent tracking performance.  
High quality and cost-effectiveness with visual dynamic tracking for picking and placing.  
Ultra-high speed goods handling, up to 100 times/min.  
Cost-effective, with a self-developed system, strong load-bearing capacity, high rigidity, low weight-to-load ratio, and good dynamic performance.

Automatic Vertical Packaging Machine



Pre-made Bag Packaging Machine



Filling and Sealing Machine



Weighing and Packaging System



Pillow Packaging Machine





Partners



Universal Certificate

