

Automatic Sleeve Labeling Machine for Fully Wraparound Self-Adhesive Labeling of Round bottles

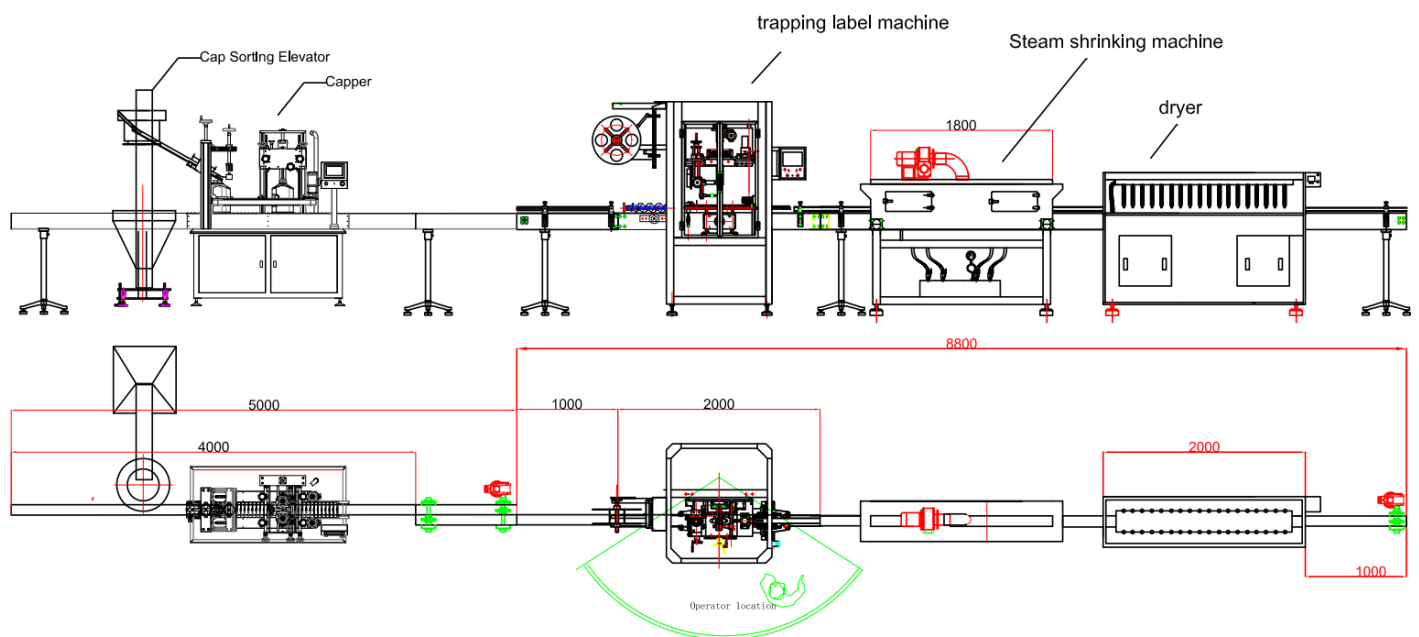
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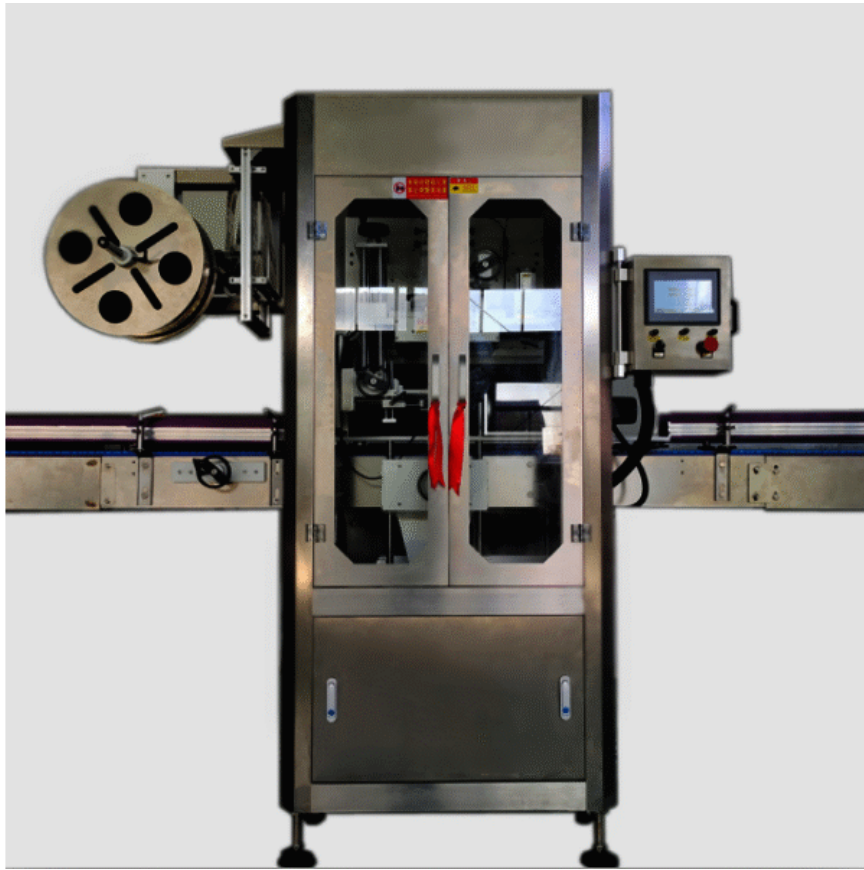


The label length is less than 80mm. The fastest production speed is 13000 bottles per hour, and the stable speed is 12000 bottles per hour

Remarks: The above picture shows the layout of sleeve labeling machine + steam shrinking furnace + steam generator + blow dryer. The blow dryer is an optional machine used to blow off the bottle water vapor after the sleeve label steam shrinks. So as to facilitate packing.

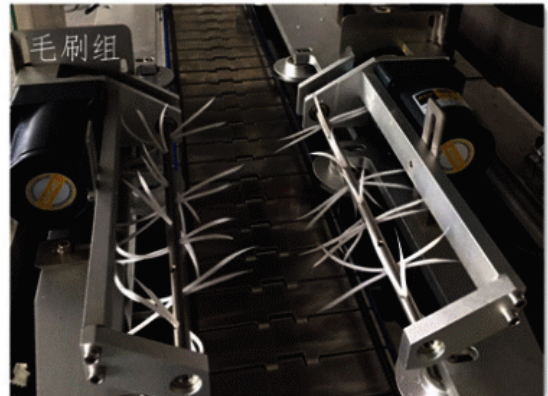
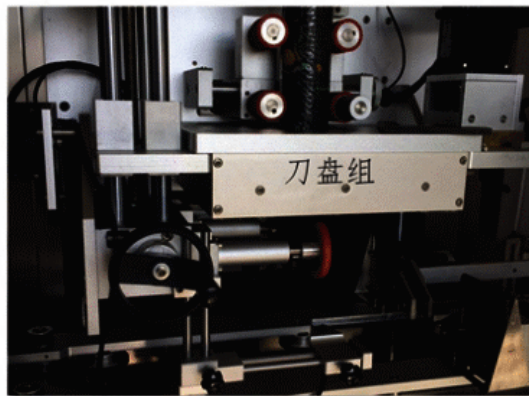
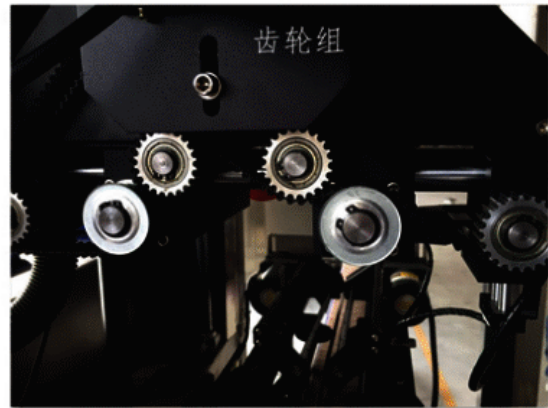
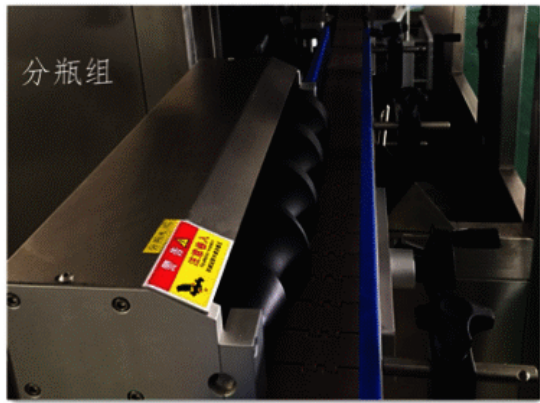
Chapter I?Introduction of Equipment

Sleeve Labeling Machine HY-200P



Technical Parameters

| | |
|---------------------------------|--|
| Model | HY-200P |
| power?kw) | 2.0 |
| Voltage?v? | 220V AC |
| Production Speed?b/min) | 50-100 |
| Applicable Product Diameter?mm) | ?22—?130 (Subject to the actual product) |
| Applicable Label Length?mm) | 30~220 |
| Applicable Label Thickness?mm) | 0.03~0.13 |
| Paper tube diameter?mm) | 5"~10" Free adjustment |
| Equipment dimensions (mm) | 2100L*900W*2000H |
| Equipment weight?kg) | 350kg |



Description

?1?The labeling machine adopts photoelectric signal sensing, and the PLC processor converts the photoelectric signal to give mechanical instructions to each servo motor and driver assembly of the equipment, so as to cooperate to complete the actions such as feeding the label of the material tray, moving the label up and down on the guide column, brushing the next wheel and brushing the label after the cutter head is cut off.

?2?After the bottle sensor of the labeling machine senses that the material is transmitted on the conveyor belt, the PLC starts to process the signal and issue the work order within 1 second. The components such as bottle group, material tray group, material rack group, drive group, bottle group, brush down group and brush group cooperate to complete the action of covering the label or transparent film to the material.

?3?The main body of the whole machine is made of 304# stainless steel, which is corrosion-resistant and does not rust. It strictly meets the food safety standards. The parts in contact with the materials are non-toxic and free of harmful substance pollution.

?4?The sleeve labeling machine adopts a complete set of imported electrical equipment configuration, which is processed by the Japanese brand Mitsubishi PLC, and is controlled by the Kunlun touch screen soft keyboard. It is equipped with Japanese Panasonic Optoelectronics, French Schneider servo motors, and French Schneider servo drives. The equipment has excellent electrical quality and stable and reliable quality.

?5?Within the scope of the standard machine, the sleeve labeling machine makes the corresponding central guide column according to different material sizes or bottle and tank sizes. After replacing the guide column and label film for labeling, one machine can be compatible with material labeling packaging of multiple sizes. When the size difference of materials is too large, in addition to replacing the corresponding central guide post and label film, it is also necessary to replace the cutter head for cutting labels.

?6? According to the design of the label film, the sleeve labeling machine is divided into ordinary photoelectric recognition and transparency segment cutting, color code photoelectric fixed-point recognition and cutting, and fully transparent unprinted film fixed-length cutting.

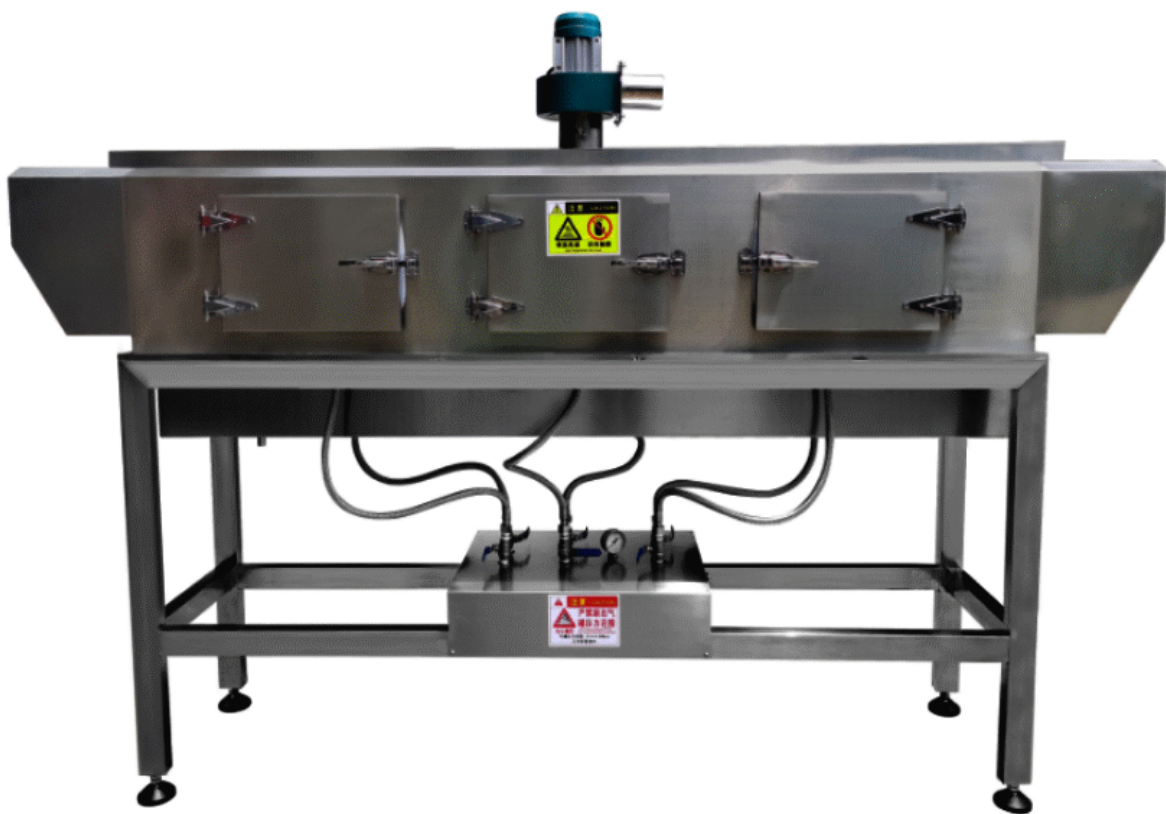
Note: The standard machine is equipped with ordinary photoelectric, which cannot identify the label

film with positioning points, but the full transparent film fixed-length mode can be used.

?7?When the labeling machine uses materials within the compatible range for production, in addition to replacing the central guide column and label film, it is also necessary to adjust the height of the machine and the front and rear positions of photo bottles in combination with the size of materials. There is special equipment operation training during equipment installation and commissioning. Please pay attention to learning to achieve the purpose of skilled use of equipment.

?8?The technology of the labeling machine is mature, but attention should be paid to the voltage fluctuation of the power grid during use. In case of frequent voltage instability in the local area, a voltage regulator should be installed on the equipment use site to prevent precise damage to the electrical appliances of the labeling machine caused by voltage fluctuation. When the labeling machine equipment is exported abroad, the local voltage used by the equipment shall be known in advance, and the transformer shall be configured in front of the labeling machine.

Steam shrinkage furnace HY-RSL1.8



Description

The new type of steam shrinkage furnace is designed with seamless steel tube and has three adjustable nozzles for different and irregular cylinder shapes, such as round, square and flat cylinders.

The adjustment and maintenance are convenient, the shrinkage is flat, the distribution of low pressure sub-drum of steam ejection mode is uniform, and the ejection nozzle is divided into three sections. The height of each section, the front and back and the out gassing volume can be adjusted separately to reach the maximum. Perfect contraction effect realm.

The shell of the whole machine is made of stainless steel and insulated. It not only saves energy, but also meets the international safety standards. The stainless steel water receiving pan at the bottom concentrates condensation water. The whole machine adopts waterproof design, easy operation and maintenance.

Technical Parameters

| | |
|--------------------------|-------------------------|
| Name | Steam shrinkage furnace |
| Model | HY-RSL1.8 |
| Input power (kw) | 0.3 5 |
| Input voltage (v) | 220V/50HZ |
| Working Pressure (Mpa) | ?0.1Mpa |
| Steam consumption (kg/h) | 10?20 |
| Conveying speed (m/min) | 0-35 |
| Outward Size (mm) | L1800*W400*H1500 |
| Weight (kg) | 120 |

Steam Generator HY-ZQ-24kw



Description

This series of fully automatic electric steam generator adopts copper high pressure submerged eddy pump for water supply, which has short water supply time and durability. The water tank is equipped with a level float ball to automatically control the water inflow. The working system can be automatically controlled. The steam can be continuously exported after connecting the source of water and power for about 5 minutes. The working efficiency is very high. This equipment can be adjusted in two gears, 9-18kw power.

Technical Parameters

| Specifications | HY-12 | HY-24 |
|-----------------------------|---------|---------|
| Rated evaporation | 17.4 | 34.8 |
| Rated steam pressure | 0.4/0.7 | 0.4/0.7 |
| Rated steam temperature | 151/170 | 151/170 |
| Water temperature | 20 | 20 |
| Electric power | 12KW | 24KW |
| Feed water pump motor power | 550 | 550 |
| Valve size | DN15 | |
| Boiler water volume | 18 | |

| | |
|-----------------|--------------|
| Dimensions (mm) | 520x520x1250 |
| Boiler weight | 65kg |

Chapter II?Electrical equipment configuration

| Component name | Appliance name | Model | QTY | Brand | Origin |
|--------------------------------|-----------------------------------|--------------------|-----|------------|--------|
| Machine lifting group | Low Power AC Motor | 5RK90GN-C 5GN-25K | 1 | Taibang | China |
| Brush down group | Low Power AC Motor | 5RK120A-C | 1 | Taibang | China |
| Feeding group | Low Power AC Motor | NMR050-15-63B14-FA | 1 | Taibang | China |
| | Frequency converter | ATV12HO18M2 | 1 | Schneider | France |
| | Photoelectric Inductor | CX-421 | 1 | Matsushita | Japan |
| Bottle conveying group | Low Power AC Motor | 51K90GN-SF-5GN7.5K | 1 | Taibang | China |
| | Frequency converter | ATV12H018M2 | 1 | Schneider | France |
| Bottle separation group system | Low Power AC Motor | 5IK90GN-SF-5GN7.5K | 1 | Taibang | China |
| | Frequency converter | ATV12H018M2 | 1 | Schneider | France |
| Brush group | Low Power AC Motor | 4IK25GN-C-4GN3K | 2 | Taibang | China |
| Cutter group | Cutter head servo motor | BCH0801O12A1C 400W | 1 | Schneider | France |
| | Cutter Disc Servo Driver | LXM23DU04M3X 400W | 1 | Schneider | France |
| | Photoelectric Inductor | PM-L44 | 2 | Matsushita | Japan |
| Conveyor group | Frequency converter | ATV12H075M2 | 1 | Schneider | France |
| Driver group | Drive servo motor | BCH0802O12A1C 750W | 1 | Schneider | France |
| | Drive Servo Driver | LXM23DU07M3X 750W | 1 | Schneider | France |
| Electric eye frame group | High Speed Optical Fiber Inductor | FX-301 | 1 | Matsushita | Japan |
| | Photoelectric Inductor | CX-442 | 1 | Matsushita | Japan |
| Electrical cabinet | | | | | |
| | PLC | FX3U-48MT | 1 | Mitsubishi | Japan |
| | Touch screen | TK6070IQ | 1 | WEINVIEW | china |
| | Switching Mode Power Supply | ABL2REM24020H | 1 | Schneider | France |
| | Contacteur | 32A | 1 | Schneider | France |
| | Intermediate relay | 5A | 2 | Schneider | France |
| | Fuse | 6A 32A | 4 | Schneider | France |
| | potentiometer | 0-10V | 2 | | France |
| | Emergency stop button | | 1 | Schneider | France |

Note: In case some parts are out of stock, our company will replace them with imported products of the same quality.

Chapter III?Equipment information

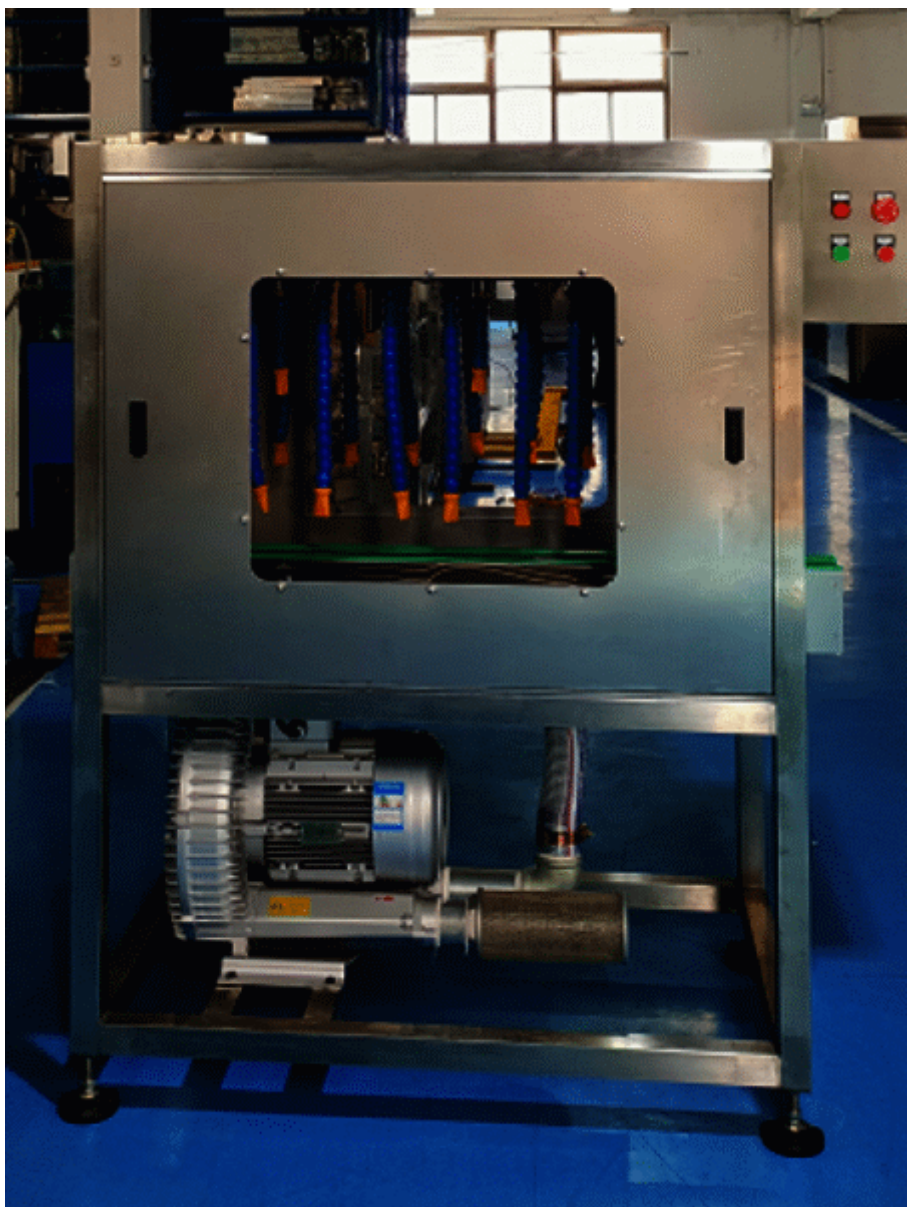
1. Equipment manual (installation, debugging, lubrication, troubleshooting).
2. Electrical schematic diagram and wiring diagram.
3. List of consumable parts and spare parts (manufacturer, model, specification, price).

| Part Name | Specification | QTY | Remark |
|-----------------------|---------------------------------|-----|----------------|
| Drive belt | American brand GATES 5M-500-15W | 1 | Free of charge |
| Cutter belt | American brand GATES 5M-450-15W | 1 | Free of charge |
| Brush belt | American brand GATES 114XL*12W | 1 | Free of charge |
| Bottle conveying belt | American brand GATES 5M-230-15W | 1 | Free of charge |
| Cutter | | 1 | Free of charge |
| Brush | | 1 | Free of charge |
| 6002ZZ | Japan NSK Bearing | 2 | Free of charge |
| 6001ZZ | Japan NSK Bearing | 2 | Free of charge |
| 635ZZ | Japan NSK Bearing | 2 | Free of charge |
| 6802ZZ | Japan NSK Bearing | 2 | Free of charge |
| 6902ZZ | Japan NSK Bearing | 2 | Free of charge |

4.Toolbox List

| No. | Name | Specification | QTY |
|-----|------------------|----------------|------|
| 1 | Open-end wrench | 12-14?17-19 | 1set |
| 2 | Allen wrench | Total 7 pcs | 1set |
| 3 | Open screwdriver | 6*100mm?3*75mm | 1set |
| 4 | Torx screwdriver | 6*100mm?3*75mm | 1set |

Blow dryer HY-1200 (Optional)



Technical Parameters

| Machine name | Type | Volume | Number of nozz |
|--|------------------|-----------------|----------------|
| HY-1200 blow dryer | Bamboo tube type | 1200x700x1550mm | 8x2 |
| Motor model: 2XHB710H26 220V 50hz 7KW Matsushita | | | |

Description

The blow dryer is made of 304# stainless steel, with 8 air nozzles on the left and right sides. The blow dryer uses a high-pressure blower and strong airflow to quickly dry the water on the outer surface of the bottle/can.

Main features

- 1. High-speed wind blowing into the wind channel causes a wind tunnel effect, which enhances and maintains high wind speed, making it easier for water to be blown away.
- 2. The air trough can be equipped with top blowing/neck blowing and bottom blowing functions to make the drying complete at one time and solve the problem of bottle caps that are difficult to dry.

3. The air trough can be easily adjusted according to the diameter and height of the bottle/can, so that the efficiency is better and the adjustment is easier.
4. The air trough and a variety of other accessories are made of 304 stainless steel (materials that meet food hygiene requirements)
5. With drainage and exhaust (wet) air ports, it is convenient for water diversion and exhaust.
6. The air duct is made of sound-absorbing materials and can be covered with a transparent sound-absorbing cover (optional accessory), which is convenient for monitoring and can reduce noise.
7. Suitable for drying round bottles, round cans, square bottles, square cans, large bottles, small bottles and condensate bottles.