

Rizhao Leader Glass Technology Co., LTD

Add:Nanhu Industrial Park, Donggang District, Rizhao City, Shandong Province, China

Insulating Glass Production Line 2536



1. Vertical fully automatic insulating glass machinery LBXH2536PW 【 Various sizes and specifications can be customized as needed, ranging from 2.0m*2.8m, 2.0m*3.0m, 2.5m*3.5m, 2.5m*4.5m, etc 】



Main technical parameters:

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1	Max. glass size	Max 2500 * 3600mm
2	Min. glass size	Min 300 * 300mm
3	Single glass thickness	3-12mm
4	Insulating glass thickness	12-60mm
5	Glass cleaning speed	2-12m/min
6	Glass cleaning thickness	3-19m/min
7	Conveying speed	0-40/min
8	Input voltage	3P 380V 50HZ
9	Compressed air	0.6-0.8Mpa, 0.8m ³ / Min
10	Power	28KW
11	External dimensions	22000*2800*3150mm
12	Unsealing capacity	600-800 pieces/8 hours (1m long normal glass)
13	Work direction	Facing the device, from right to left in the forward direction(can be customized)
14	Water supply	Circulating water, 0.5t/day, conductivity ≤ 50 μ S
15	Environmental temperature	10 °C -30 °C, according to DIN40040
16	Relative air humidity	≤ 75%, according to DIN40040
17	Total weight	Approximately 2500kg

Performance characteristics:

1)01 section (Glass input section)



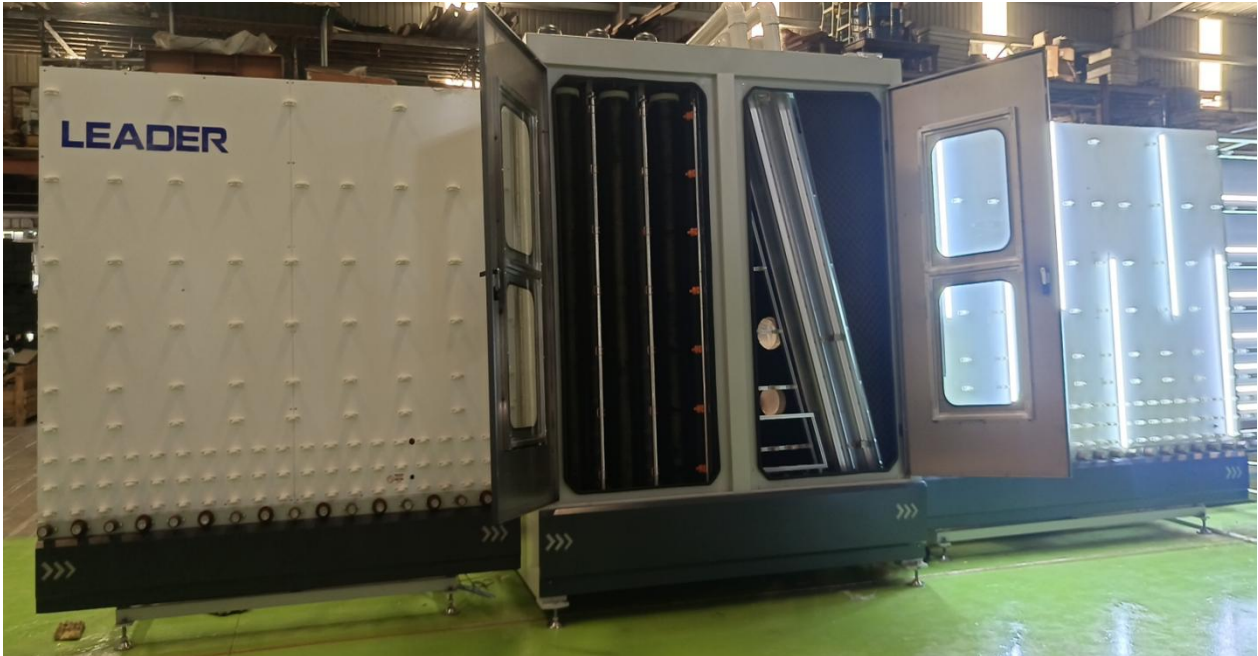
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- The board surface is made of high-density composite board, which is sturdy and durable;
- Universal coupling for easy access to large glass;
- Wear-resistant transmission wheel and equipped with spring device, reducing friction with glass, durable, and stepped transmission wheel for easy access to large glass;
- Variable frequency drive motor, stable and efficient.
- It can automatically identify LOW-E and coated glass, and is equipped with an alarm device.

2)02section(Glass wash-dry section)



- The entire 02 section adopts a thickened stainless steel box, which is very sturdy and durable.
- The cleaning section is equipped with 4 motors and 3 pairs of brushes, alternating between soft and hard, which can wash low-e glass. The brushes correspond to the

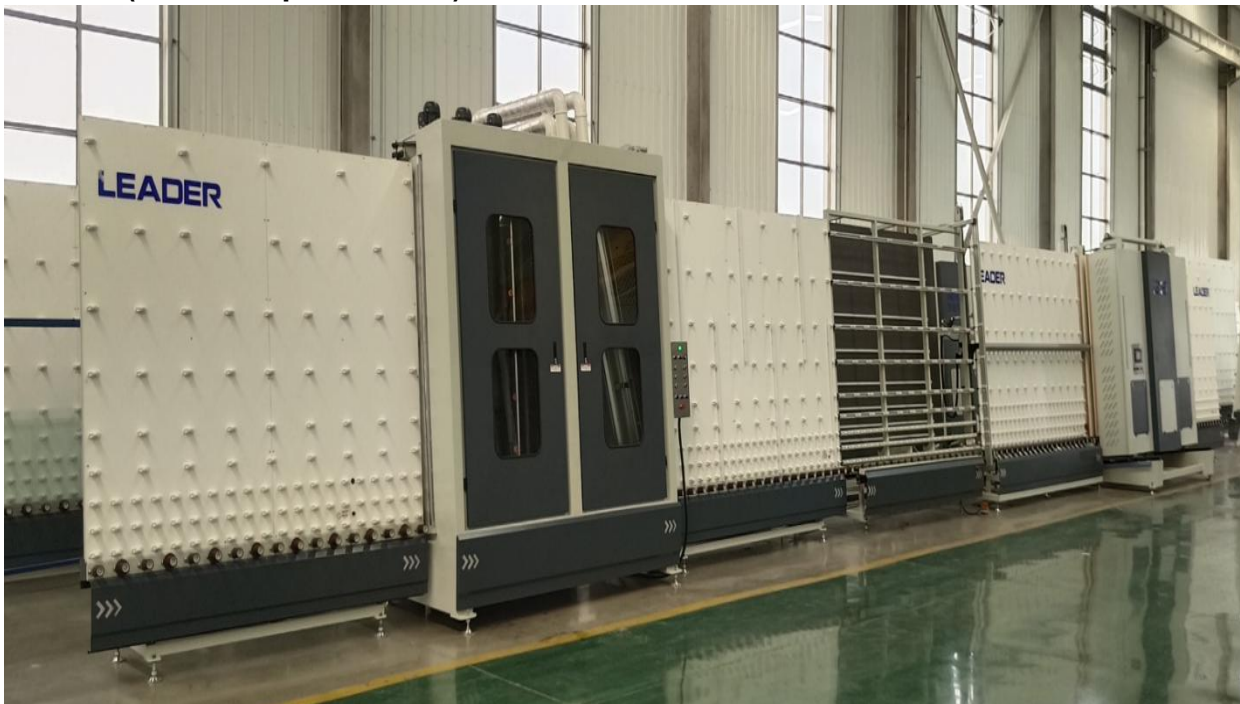
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motors one by one. Stable and efficient, using a universal nozzle, capable of thorough cleaning without dead corners, equipped with water heating to ensure normal use in winter.

- The base of the cleaning box adopts a double-layer hollow design to avoid water accumulation and improve the service life of the bearings.
- The spray pipe of the cleaning box is connected to the intake pipe using stainless steel to prevent aging.
- The cleaning section bearings have three seals: upper and lower oil seals and waterproof covers to prevent water and glass dust from entering the bearings.
- The drying section uses an aluminum profile air knife, with a very uniform and dense air outlet, ensuring that each side of the glass is effectively dried.
- Equipped with an 18.5 kilowatt fan, achieving high efficiency and corrugated pipes equipped with sound absorption devices, reducing noise pollution.
- When the glass stays in the position of the wind knife, the air vent will automatically close to prevent wind knife marks.

3)03 section(Glass output section)



- The conveying part consists of two conveying motors, which can automatically identify the size of the glass. When the glass is small, an additional piece of glass can be stored, thereby improving work efficiency.

4)04 section(Aluminum spacer locating section)

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- Double layer detection, which can efficiently detect the status of glass after cleaning;
- The emergency stop button can solve emergency situations in a timely manner;
- The dedicated foot pedal can control the operation of the glass, improving efficiency;
- Equipped with a spring positioning device and an aluminum frame positioning ruler, it can be used to adjust the thickness of glass and the depth of gluing.

5)05 section(Assembly section)



- Dual photoelectric, segmented control, stable and safe, with protective devices to prevent emergency situations of photoelectric failure.
- The pressure roller is adjustable, flexible and convenient, and can process double-layer, three-layer, and four-layer insulating glass, as well as louvered

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insulating glass, without the need for manual assistance, ensuring safe and efficient operation.

6)06 section(Press section)



- The plate pressing is controlled by a servo motor, and the servo synchronous pressing uses a ball screw to fully ensure the parallel pressing of the two plate surfaces. For processing hollow glass of different sizes, there is a pressing torque function, and the holding time can also be adjusted according to the size of the glass.

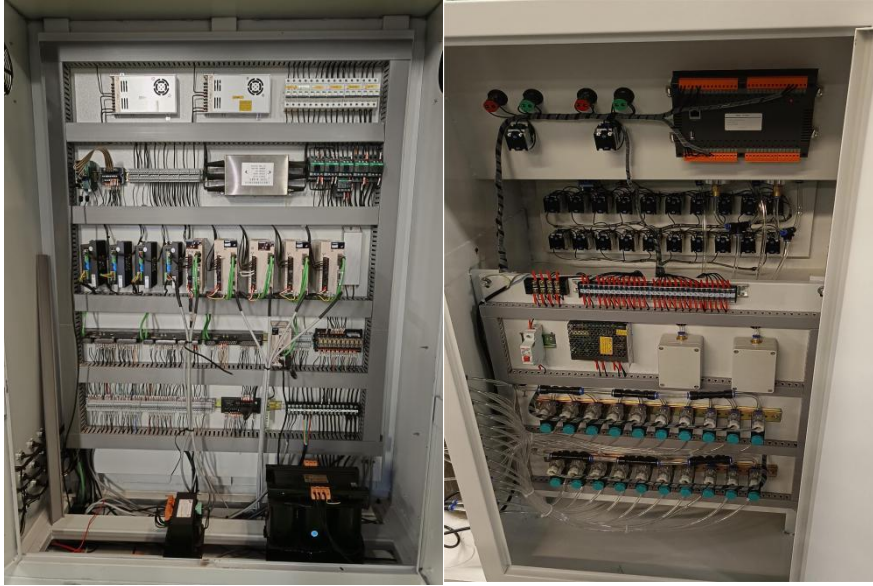
7)07 section(Output section)

- The back wheel and conveyor wheel are encrypted, making the glass operation more stable and better for tempered glass and small glass.



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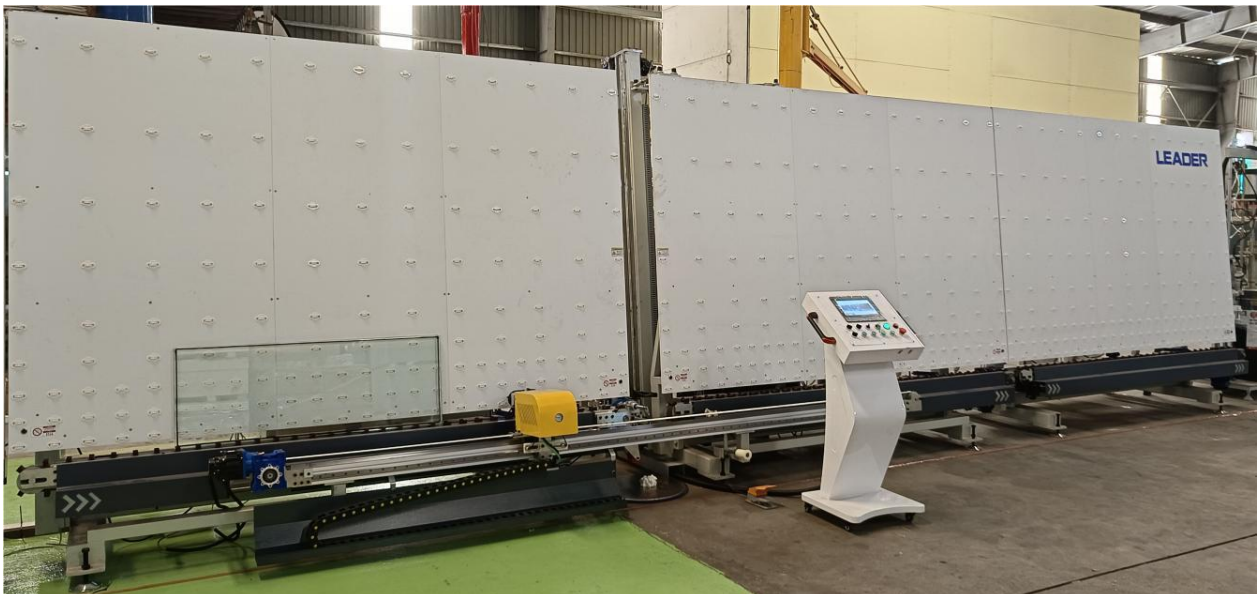
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List of main components:

No.	Product name	Brand name
1	PLC (computer)	Panasonic
2	Touch screen	Pingtong
3	Frequency converter	Delixi/Siemens
4	Circuit breaker	Delixi
5	AC contactor	Delixi
6	Switching power supply	Mingwei
7	Relay	Schneider
8	Conveyor Motor	Taiwan,China
9	Sensors	Otonix
10	Pneumatic components	AIRTAC

2. Vertical fully automatic sealing machine HD2536 【Bicomponent】



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Performance characteristics:

- It can achieve continuous gluing of various sizes of insulating glass, with high gluing efficiency and stable quality.

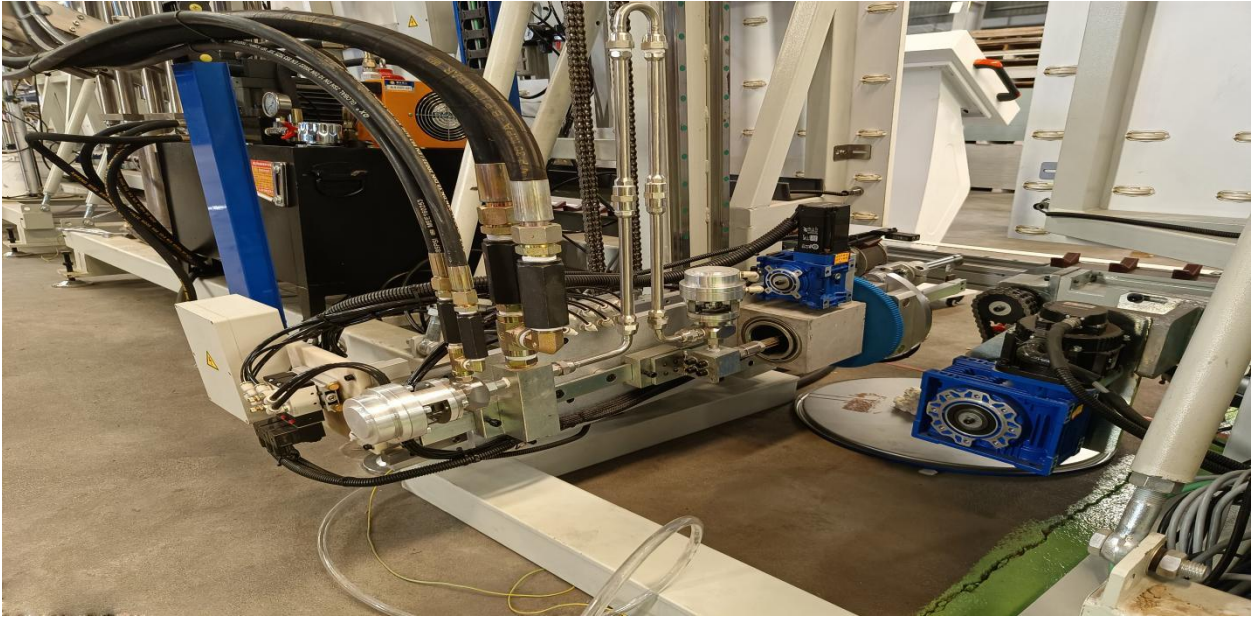


- Two completely independent glue supply systems, with two types of sealants that can be switched at will (single group/double group optional, the common one is single glue supply system) .
- The third section can pre store glass to enhance the continuity of equipment operation and improve production efficiency.
- The human-machine interface is friendly and easy to operate.
- The edges are fully glued without bubbles, and the corners are full without the need for manual trimming.
- The world renowned brand's Yaskawa servo control system has stable performance.
- Accurate synchronous belt transmission system ensures smooth and pollution-free glass operation.
- Unique automatic glue quantity alarm device.
- We use well-known brands such as the entire Yaskawa system series (PLC, motion controller, servo motor, etc.), electrical components Schneider, pneumatic components

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AirTAC, SMC, switches Mingwei,etc



Technical parameter:

1	Min. glass	300 * 300mm
2	Max. glass	2500 * 3600mm
3	Gluing speed	12m -30m/min
4	Gluing depth	3-10mm
5	Gluing width	6-30mm
6	Insulating glass thickness	12-60mm
7	Gas source	0.6-0.8Mpa
8	Hydraulic pressure	≤100kgf/c m ²
9	Input voltage	3P 380V 50HZ

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10	Glue supply pressure	< 35Mpa
11	Angle	6-9 degrees
12	Power supply	13 kw
13	Maximum glass weight	600kg
14	Equipment size	8.8*2.8*3m(This equipment is connected to the production line, with a total length of approximately 31 meters)

Main components:

No.	Product name	Brand name	Brand location
1	PLC controller	Yaskawa	Japan
2	Head rotation servo	Yaskawa	Japan
3	Head up and down servo	Yaskawa	Japan
4	Auxiliary suction cup servo	Yaskawa	Japan
5	Incoming conveyor private server	Yaskawa	Japan
6	Gluing section servo	Yaskawa	Japan
7	Servo controller	Yaskawa	Japan
8	Servo motor (5+4)	Yaskawa	Japan
9	Photoelectric switch	Ming Wei	Taiwan,China
10	Optoelectronic sensor	Otonix	Korea
11	Proximity sensor	Otonix	Korea
12	Upper sensing sensor	Otonix	Korea
13	Guide rail	Shangyin	Taiwan,China
14	Synchronous belt	Liliano	China
15	Low voltage electrical appliances	Schneider	France
16	Pneumatic components	SMC	Japan
17	Pneumatic components	AIRTAC	Taiwan,China
18	Pressure sensor	Limin	China
19	High pressure rubber hose	Xiangsi	China
20	Head rotating reducer	Sanli	China
21	Front and rear reducers of the machine head	Sanli	China
22	Head up and down reducers	Sanli	China
23	Bending resistant robot cable (wire)	Xinguang	Taiwan,China
24	Scraper guide cylinder	AIRTAC	Taiwan,China
25	Scraper front and rear cylinders	AIRTAC	Taiwan,China
26	Scanning detection cylinder	AIRTAC	Taiwan,China
27	Rubber nozzle close to cylinder	AIRTAC	Taiwan,China
28	Touchscreen	Delta	Taiwan,China
29	Hydraulic proportional valve	HNC/Huade	Taiwan,China
30	IO input/output module	MSYSTEM	Japan

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3. Butyl adhesive coating machine CSDJ02



Performance characteristics:

1. It adopts a touch screen interface, and the system adopts programmable PLC control, which is easy to operate and has a high degree of automation.
2. Adopting the Germany MAXIMOTOR turbocharging system, the system is subjected to bi-directional pressure regardless of the advance or retreat of the working cylinder, ensuring uniform glue output.
3. The surface of the operation console is entirely made of stainless steel plates, which facilitates the treatment of dirt on the surface of the console. The equipment has a beautiful appearance.
4. The equipment adopts a circular conveyor belt design for easy belt replacement.
5. The main functions of this machine are:

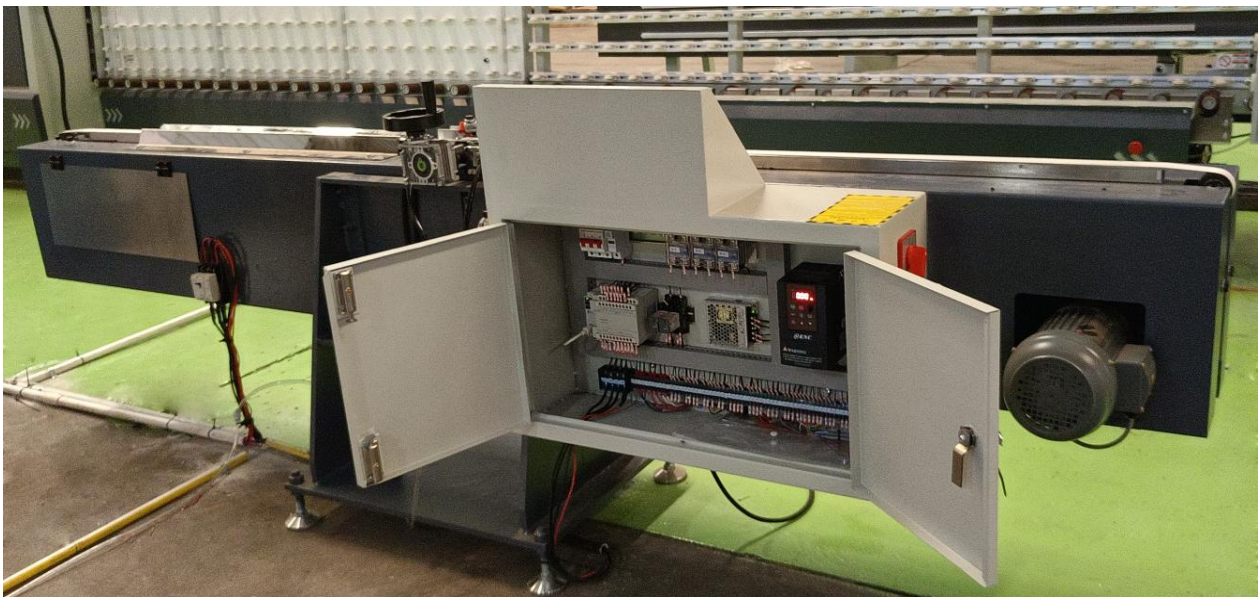
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- a. Set the automatic heating time arbitrarily;
- b. Variable frequency speed regulation;
- c. Automatic heating function for rubber head and rubber cylinder;
- d. Automatic standby function



List of Main Accessories:

NO.	Name	Brand	Brand Location
1	PLC	OMRON	Japan
2	Touch screen	WENVIEW	Taiwan,China
3	Low voltage electrical appliances	SCHNEIDER	France
4	Booster device	MAXIMOTOR	Germany
5	Temperature control meter	OMRON	Japan

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Technical parameters::

Conveying speed	21-28m/min	Gluing temperature	110-160 °C
Adjustable range of rubber head	6-27mm	Total power	4Kw
Squeezing pressure	10-15Mpa	Pneumatic pressure	0.5-0.8Mpa
Heating time	30-40min	Overall dimensions	3000*650*1000mm

4.Fully automatic aluminum spacer bending machine

CSZWJ02

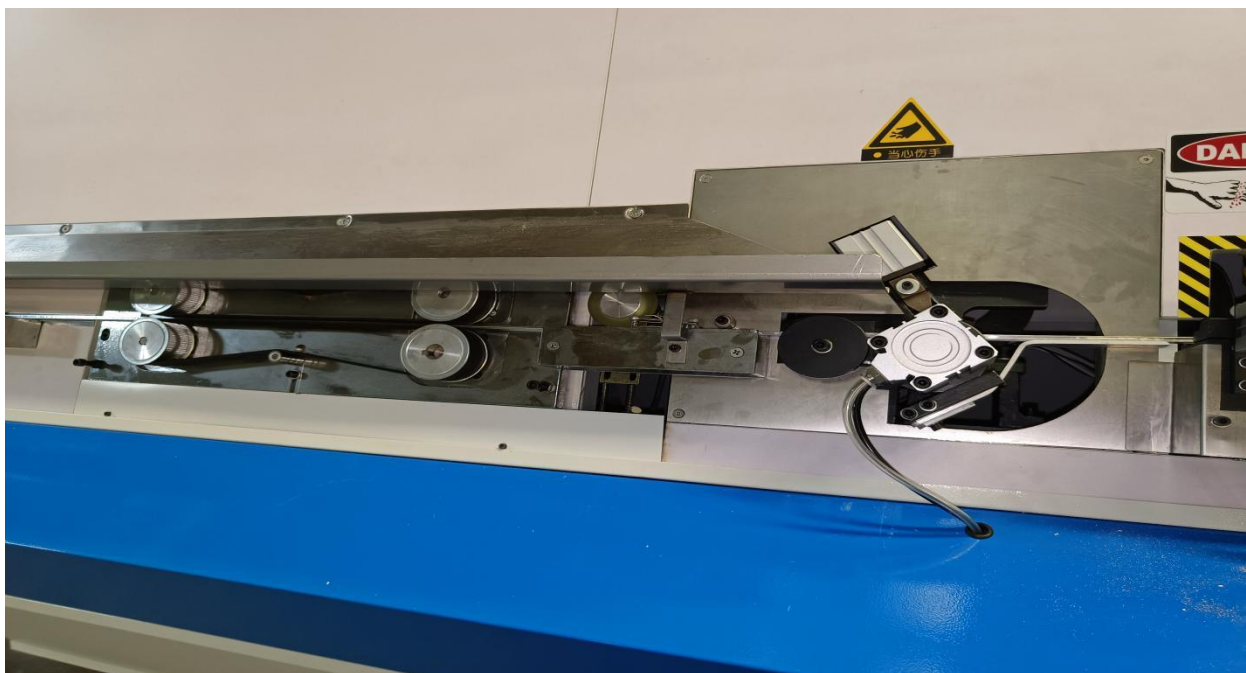


Performance characteristics:

1. PLC control system, touch screen human-machine interface, simple and convenient equipment operation.
2. Adopting a CNC servo motor feeding system and a CNC bending angle control system.
3. The cutting machine parameters can be imported through USB or network cable connection, and the aluminum frame size can be automatically calculated based on the glue depth.
4. When turning and cutting, automatically avoid the connection between the aluminum bars, the arc, and automatically cut after bending.
5. Manual operation function, convenient for equipment debugging and maintenance
6. Shapes such as triangles, rectangles, pentagons, hexagons, arcs, etc

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Technical parameters::

Max.aluminum frame size	2000*2000mm	Aluminum strip size	6-27mm
Bending angle error	±0.3 °	Total power	4Kw
Aluminum frame width	6-27mm	Air pressure	0.8Mpa
Feeding speed	0-90m/min	overall size	10330*2200*2600mm

List of main accessories:

NO.	Name	Brand	Brand location
1	PLC	SIEMENS	Germany
2	Touch screen	WENVIEW	Taiwan,China
3	Low voltage electrical appliances	SCHNEIDER	France
4	Servo motor	OMRON	Japan
5	Sensors	OMRON	Japan

5.Fully automatic molecular sieve filling machine CSFZS02

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Performance characteristics:

- Adopting programmable PLC control, stable performance and reliable operation.
- Perforated filling on the back, easy and convenient to operate.
- The filling height can be adjusted according to the size of the aluminum strip.
- Equipped with automatic feeding function to prevent incomplete filling.
- Automatically seal after canning to prevent molecular sieve leakage.

Technical parameters::

Max. aluminum frame size	2500*2500mm	aluminum strip size	6-27mm
Aluminum frame width	6-27mm	Air pressure	0.8Mpa
Filling speed	8-12s/PC (1x1m)	Overall size	1000*820*2900mm

List of main accessories:

NO.	Name	Brand	Brand location
1	PLC	SIEMENS	Germany
2	Touch screen	WENVIEW	Taiwan,China
3	Low voltage electrical appliances	SCHNEIDER	France
4	Pneumatic components	AIRTAC	Taiwan,China
5	Sensors	OMRON	Japan

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Our products are constantly being upgraded.
Hope to cooperate with you in the near future!

Alen

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