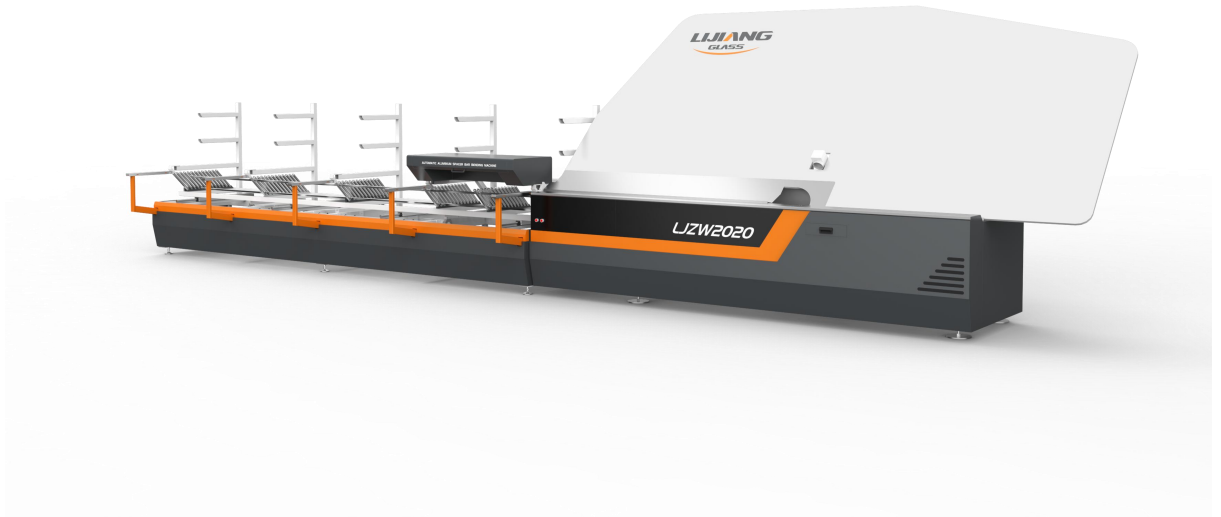


Automatic Aluminum Spacer Bending Machine

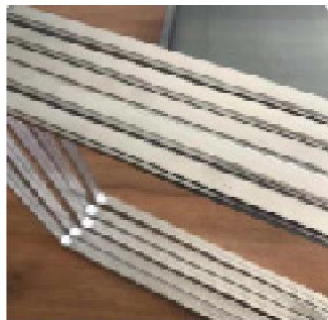
LJZW2020



Main feature

- 1*1m spacer frame was bent within 20s
- The error of spacer frame angle is within 1° ,Size error within 1mm
- Can bend aluminum spacer /technoform /Alupro /thermix/
- Spacer automatically connect and cut.
- Machine automatically stops when the spacer is used up.
- Support continuous bending , automatically avoid spacer connection while bending and cutting
- Automatically connect the spacer -connector
- Remote control function
- USB input function ,it can read the excel data directly
- Spare parts of all machines have ID codes ,convenient for after-sale service
- Heavy duty connectors ,convenience and safety for installation and debugging
- Magnetic valve use Taiwan Airtac
- German Siemens plc control system
- Japan Fuji servo control system
- 12 storage spacer units (option)
- Swisspacer/ Stainless Steel /All metal Stainless Steel /option)
(Stainless steel and warm edge spacer can not exist at one time)
- Drill hole for gas filling(option)

- Spacer inkjet printing ,various colors are available for company logo or production date(option)
- Laber printing (option)
- Scanner scan two-dimension code ,bar code (option)
- Separate Pressing Wheel for arc frame, more accurate than the bending tool
- Especially for Hexagon and Octagon frame (optional)
- ERP (optional)



Automatic laser printing
warm edge spacer

Printing label

Bending stainless steel spacer **Bending**

Notes: When bending the arc-shaped aluminum frame, the cutter head needs to be replaced for each size, and the cutter head needs to be customized.

Technical data

Max. bending size	2500*2500mm
Min. bending size	250mm*150mm
Aluminum spacer width	5.5-27mm
Dimensional error	±0.5mm
Angle error	±1°
Processing speed	≤26s
Air supply	≥0.65MPa
Total power	415V 50Hz 2.5KW
Dimension	10500mm*2200mm*2600mm

Electrical parameters

NAME	BRAND
PLC	GERMAN SIEMENS
Low voltage electrical apparatus	GERMAN SIEMENS
Servo motor	GERMAN SIEMENS
Servo driver	GERMAN SIEMENS
Relay	JAPAN OMRON
Triplet	Taiwan AIRTAC
Cylinder	Taiwan AIRTAC
TOUCH SCREEN	Taiwan WEINVIEW
Switch power	Taiwan TEND
GUIDE	Taiwan TBI
Solenoid valve	Taiwan AIRTAC
Sensor	KOREA AUTONICS

Automatic Butyl Extruder Machine

LJTB01

✧ **Application**

LJTB 01 Automatic butyl extruder machine is used for spreading aluminum spacer frames evenly with hot melt butyl. The butyl extruder uses large electrical control panel which makes the operation easier than before. The conveyor of aluminum is controlled by frequency converter. The speed can be adjusted from 0m/min to 47m/min, it is the fastest speed in China until now. The butyl extruder is very popular with energy-saving. Its squeezing system adopts pneumatic and hydraulic supercharging system, which makes the squeezing pressure more stable. The dispensing cylinder adopts vertical rotary support system, making the refill of butyl easier. The height of squeezing head can be adjusted automatically according to different kinds of aluminum spacers. Finally, the butyl extruder has reached the worldwide technology with the characteristic of complete functions and stable working mode.

✧ **Equipment details**



KUNLUN TONGTAI Touch Screen



Alarm system Reminding Adding

Butyl

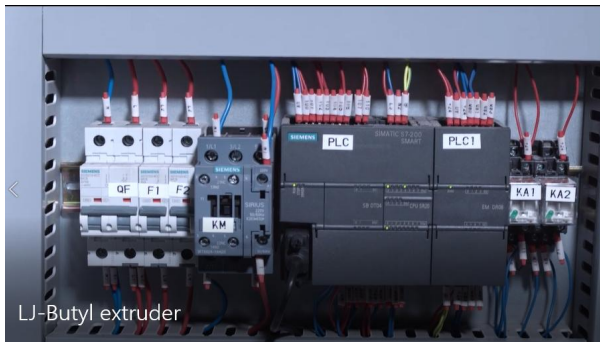
Glue cylinder

Adopt the upright structure, easy to change butyl.





Germany Siemens parts



Guiding Wheel



Sensor

Automatically measure the width of frame, the distance of nozzle can be adjustable.





TEFLON glue nozzles



Using non-adhesive belt, keep clean.



Crossbeam adjustable structure



Automatic filter function

❖ Other Features:

- Stable temperature device makes it convenient to adjust the sealing material automatically according to the changed coating speed
- The coating speed is up to 47m/min, saving more than 40% butyl, only 5g/m
- Pre-heating function, set a regular time ahead of working time
- Learning the experience and technology from Bystronic

Technical Data

Squeeze pressure	10-18MPa
Temperature	110~140°C
Aluminum spacer width	5.5-27mm
Speed	0-47m/min
Diameter of butyl cylinder	200mm
Air supply	0.4m ³ /min
Air pressure	≥0.6MPa
Total power	415V, 5KW, 50HZ
Dimension	2600×680×1100mm(L×W×H)
Weight	650kg

Electrical parameters

Name	Brand
Low voltage electrical apparatus	German SIEMENS

Hydraulic and pneumatic supercharging system	German MAXIMATOR
Quick exhaust valve/Vacuum generator	Japan SMC
Pneumatic components (cylinder/valve)	Taiwan ARTAC
Travel light	Japan OMRON
Relay	Japan OMRON
Optical fiber	Japan OMRON
PLC	SIEMENS
Frequency converter	SIEMENS
Display screen PLC	KUNLUNTONGTAI
frequency transformer	SIEMENS
Electromagnetic valve	AirTAC
Supply electric relay circuit	OMRON
Breaker proximity switch	OMRON
Overtravel-limit switch	Schneider
Proximity switch	OMRON
Overtravel-limit switch	OMRON
Temperature-controlled	OMRON
Knob	Schneider

Desiccant Filling Machine LJGZ 2020

Main feature

- The filling height can be adjusted according to the size of spacer frame
- Filling time can be adjusted
- Desiccant auto loading and replenishment
- Auto drilling, filling and sealing function
- Germany Siemens PLC control system
- Touching screen interface, simple and visible
- Adding glue way is safe and easy
- Machine can fill the arc frame.(optional function)
- Can fill Molecular sieve diameter 1.0mm-1.5mm(optional function)
- Big bucket desiccant 200L,save desiccant refill time ,improve the work efficiency

Technical Data

Filling aluminum frame's maximum size	2000mm*2000mm
Filling aluminum frame's minimal size	300mm*250mm
Article aluminum specifications	5.5-24mm
Air source	≥0.65MPa
Power supply and power consumption	AC220V 50Hz 1.8KW
Molecular sieve diameter needed	0.5-0.9mm
Dimension	1300mm*1100mm*3650mm

Electrical parameters

Name	Brand
PLC	German SIEMENS

Low voltage electrical apparatus	German SIEMENS
sensor	Korea AUTONICS
guide	Taiwan TBI
triplet	TAIWAN AIRTAC
Solenoid valve	TAIWAN AIRTAC
Gas driller	Taiwan BOA
Switch power	Taiwan TEND