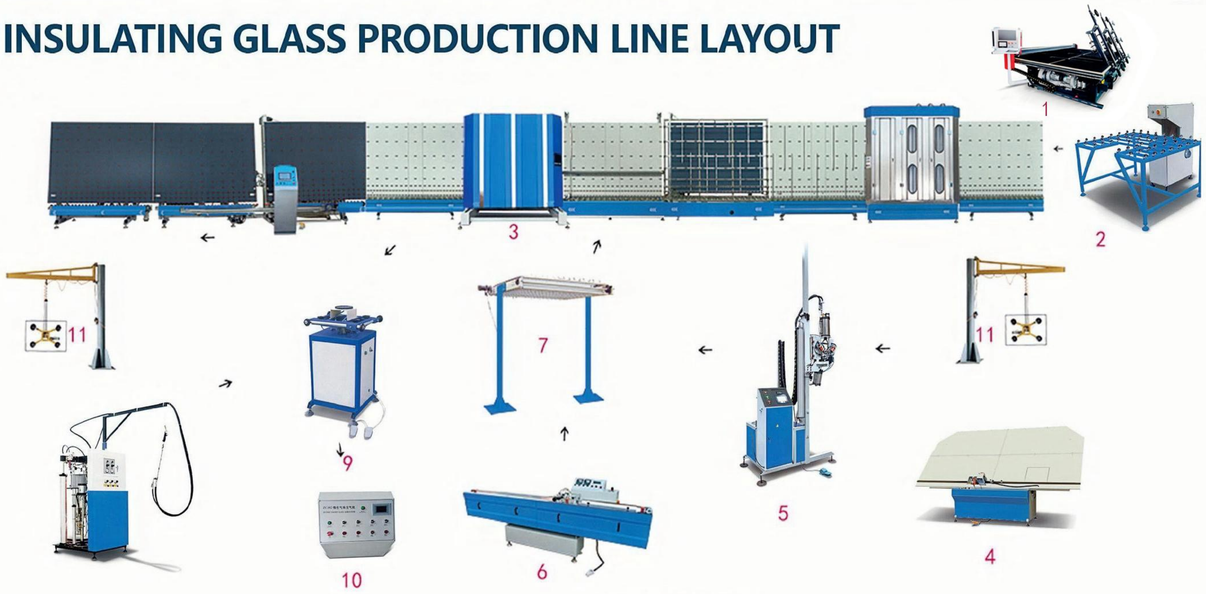
INSULATING GLASS PRODUCTION LINE LAYOUT



1.GLASS CUTTING MACHINE

2.GLASS EGGE GRINDING MACHINE

3.VERTICAL INSULATING GLASS PEODUCTTION LINE

4.ALUMINUM BAR BENDING MACHINE

5.MOLECULAR SIEVE FILLING MACHINE

6.BUTYL EXTRUDER

7.ALUMINUM SPACER FRAME CONVEYOR

8.SILICONE EXTRUDER

9.ROTATING TABLE

10.GAS FILLING MACHINE

11.GLASS LOADING UNLOADING VACUUM LIFTER

INSULATING GLASS PRODUCTION LINE(GAS FILLING OPTIONAL)



TECHNICAL PARAMETER

Parameter	LBZ2025	LBZ2030	LBZ2536
Power Supply	380v 50Hz	380v 50Hz	380v 50Hz
power	30kw	30kw	34.0kw
Max size	2000×2500mm	2000×3000mm	2500×3600mm
Min size	300×500mm	300×500mm	300×500mm
Glass thickness	3—12mm	3—12mm	3—12mm
Transport speed	8—45m/min	8—45m/min	8—45m/min
Weight	5500	6000kgs	7000kgs
Overall dimension	19000×1800×3100mm	22000×1800×3100mm	26000×1800×3600mm

DESCRIPTION

PLC control, touch screen human-machine interface.
LOW-E shape glass,coating film glass insulating glass production.

1.The application of imported vacuum generator and suction cup make better glass catching effect.

2.Three pairs of glass cleaning hairbrushes rotation speed can be driven by frequency conversion.

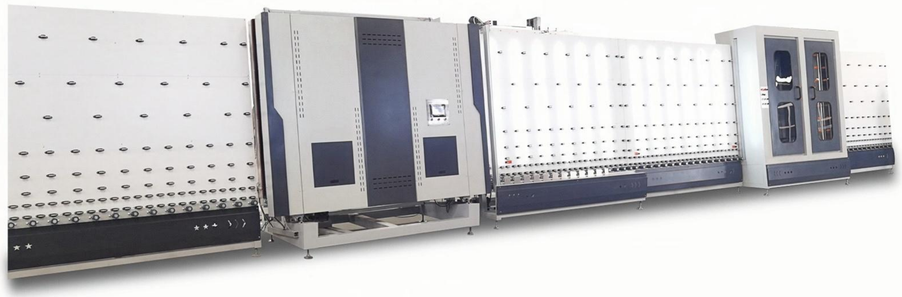
3.Big-small sized and three layer insulating glass,step insulating glass can be produced according to customer requirements(optional).

4.Digital controlled assembling line to save production time and improve efficiency.

5.Washing section is made with stainless steel and resistance material.

6.All electric appliances are selected from famous international brand.

INSULATING GLASS PRODUCTION LINE



TECHNICAL PARAMETER

Parameter	LBZ2000	LBZ1800	LBZ1600
Power Supply	380v 50Hz	380v 50Hz	380v 50Hz
power	23kw	22kw	21kw
Max size	2000×2500mm/3000mm	1800×2500mm	1600×2000mm
Min size	300×500mm	300×500mm	300×500mm
Glass thickness	3—12mm	3—12mm	3—12mm
Air consumption	800L/min	800L/min	800L/min
working speed	8—45m/min	8—45m/min	8—22m/min
Overall dimension	15000×1800×3100mm	14000×1800×2950mm	13000×1800×2600mm

DESCRIPTION

PLC control, touch screen human-machine interface.
LOW-E shape glass,coating film glass insulating glass production.

1.The application of imported vacuum generator and suction cup make better glass catching effect.

2.Three pairs of glass cleaning hairbrushes rotation speed can be driven by frequency conversion.

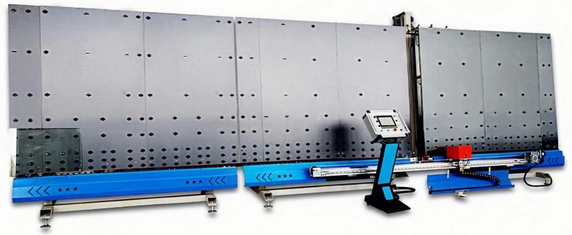
3.Big-small sized and three layer insulating glass,step insulating glass can be produced according to customer requirements(optional).

4.Digital controlled assembling line to save production time and improve efficiency.

5.Washing section is made with stainless steel and resistance material.

6.All electric appliances are selected from famous international brand.

AUTOMATIC ROBOT SEALLING MACHINE



TECHNICAL PARAMETER

Model	2000	2500
Power	380V 50HZ 3 phases	380V 50HZ 3 phases
Input Power	13KW	14.5KW
Air Source	0.6-0.8Mpa	0.6-0.8Mpa
Max. IGU Size	2000*2500mm	2500*4000mm
Min. IGU Size	300*400mm	300*400mm
Glass Thickness	15-37mm	15-37mm
Working Speed	5-40m/min	5-40m/min
Overall Dimensions	8030*1400*2950mm	8630*1400*3500mm

DESCRIPTION

1.Whole machine adopt man-machine touch screen interface, with memory function. After coating sealant, the glass edge and corner is full without air bubbles, smooth surface, no need to pare the corner.

2. Equipped with anti blocking device in the mixer, easy to clean.

3. Servo control system adopts world famous brand, the performance is stable, counting speed is fast, sealant output with high precision, surface with high smoothness.

4. Shaft transmission to make the glass being transferred smoothly with accurate positioning.

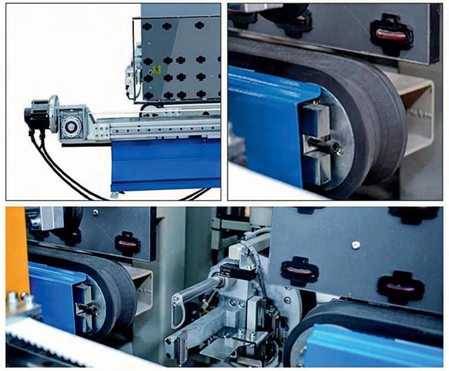
5. Special V type transmission belt to avoid the sealant sticking on the belt, ensure the glass edge clean, V type Block is changeable.

6. The spare parts are produced with high standardization and high precision, ensure the machine can be used with long-term stability.

7.Conveying wheel on backboard adopts embedded wheel ,to make sure the glass be transported smoothly.

8.Equipped with high speed positioning function ,glass can be located accurately when transport fast.

PRODUCT DETAILS



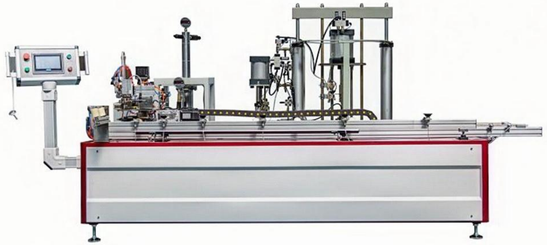
SILICONE EXTRUDER MACHINE



TECHNICAL PARAMETER

Model	ST03
Mixing ratio	6:1~14:1
Materia drum	55gallon(200L)
Curing agent drum	5gallon(20L)
Max.air consumption	0.5m³/min
Max.dispensing pressure	20Mpa
Output	4~10L/min
Air supply pressure	0.6~1.0Mpa
Outside dimension	1100*950*1980mm
Weight	650Kgs

HORIZONTAL INSULATING GLASS SEALING ROBOT



DESCRIPTION

This machine is special insulating glass equipment for making the second sealing of insulating glass

PLC automatic movement control system, touch screen operation, vacuum positioning, automatic edge searching

TECHNICAL PARAMETER

Power	1.5 KW
Air supply	0.4-0.6 Mpa
Speed	4-40m/min
Max glass size	2500*2500mm or customized
Min glass size	250*250mm
Overal size	3300*2000*1750

AUTOMATIC MOLECULAR SIEVE FILLING MACHINE

TECHNICAL PARAMETER

Desiccant diameter	0.5-0.8mm
Filling aluminum spacer size	Min.150*150mm Max. 2000*2500mm
Filling speed	5-8 seconds (1000*1000mm9A)
Aluminum spacer size	6-24mm
Air supply	0.6MPa
Power supply	AC220V 50HZ, 1KW
Dimension	1300×1100×2300mm
Total Weight	600Kgs



HOT MELT EXTRUDER



TECHNICAL PARAMETER

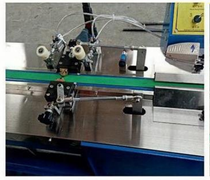
Power	3P 380V/220V
Power	5.5KW
Drum capability	29 KGS
Glue capability	0-1kg/min
Machine size	1400*800*1600mm
Weight	200 KGS/400 KGS

BUTYL EXTRUDER MACHINE



PRODUCT DETAILS







DESCRIPTION

1.Butyl extruder can process frames from 6-20mm width.

2.The feeding nozzle can be positioned to deliver uniform sealing.

3.Pneumatic operation of butyl process is controlled by a PLC that electrically regulates the temperature of the butyl heaters.

4.A timer enables the pre-heating of butyl ahead of the start of operation.

5.The height adjustment is available according to the frame size.

6.The nozzle width shall be controlled by pneumatic and hydraulic parallel method.

7.Conveyor speed can be adjusted with 5 conveyor speed.

8.Possible to control the length of butyl application and monitoring current production quantity on the touch screen.

TECHNICAL PARAMETER

Machine Size	3200(L)x700(W)x1050(H)mm
Space Width	6mm,9mm,12mm,16mm,19mm
Speed	10-30m/min
Butyl Volume	14L
Power Source	380V 3ph 50HZ/220V,60HZ
Total Power	3.2kw
Air Pressure	0.4-0.7mpa
Squeeze pressure	12-18 Mpa

AUTOMATIC SPACER BENDING MACHINE

TECHNICAL PARAMETER

Spacer width	6-20mm
Bending Pressure:	0.5-0.8Mpa
Min. Aluminum Spacer Bar Size:	250*250mm
Max. Aluminum Spacer Bar Size:	2500*4000mm
Error Allowance:	±0.5mm
Bending Angle:	90
Dimension:	10500*1300*1950mm
Total Weight:	1600Kgs



SEMI-AUTOMATIC SPACER BENDING MACHINE



DESCRIPTION

1.Siemens PLC control, Eview touch screen, Airtac pneumatic parts , Omron servo motor for feeding and bending.

2.Error after bending ±0.3, Four spacer selective storage areas for four kinds of different lengths of spacers.

3.The machine will keep away the connect point, arch point during bending and cutting.

4.Manual operation is available for easy maintenance.

5.Different shapes of alu-spacer bending is available, such as triangle, rectangle, pentagon, hexagon and arch shape.



SPACER MOVING MACHINE



MANUAL DESSICANT FILLING MACHINE



GLASS BELT EDGING MACHINE



ROTATING TABLE

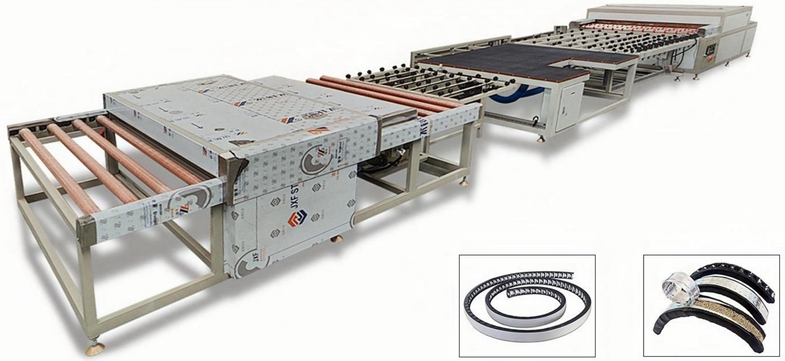


ALUMINUM SPACER CUTTING MACHINE



INSULATING GLASS GAS FILLING MACHINE

HORIZONTAL INSULATING GLASS MACHINE



DESCRIPTION

Insulating glass production line adopts horizontal structure, transfer smoothly,small footprint, low power consumption, fewer people to operate, high production efficiency, stable quality, saving cost It includes the following sections:

1.Glass washing machine

2.Rubber strip assemble table

3.Glass assemble tilting table

4.Hot press machine

5.Glass convey table

TECHNICAL PARAMETER

Model	1600	1800	2000
Power	23.5 KW	27.5 KW	37.5 kw
Max size	1600*2500mm	1800*2500mm	2000*3000mm
Min size	350*350mm	350*350mm	350*350mm
Speed	0-4m/min	0-4m/min	0-4m/min
Glass thickness	3-20mm	3-20mm	3-20mm
Overal size	12m*2.1m*1m	13.5m*2.3m*1m	15m*2.1m*1m
Weight	2500 KGS	2800 KGS	3500 KGS