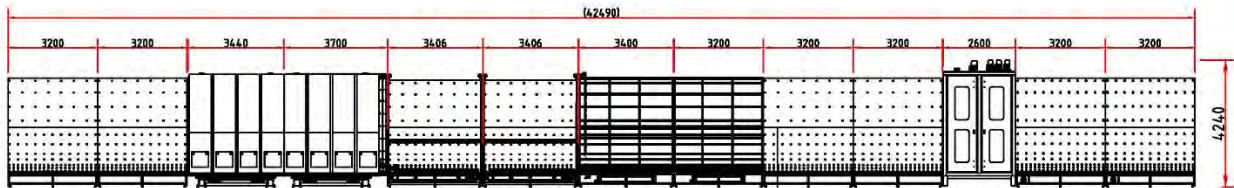



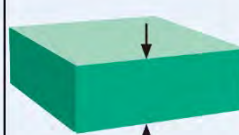

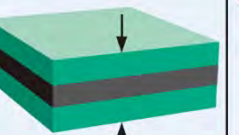
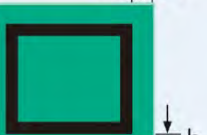
## Vertical Automatic insulating glass production line LBZ3300

Video Links: [www.detek.tv](http://www.detek.tv)



### Application

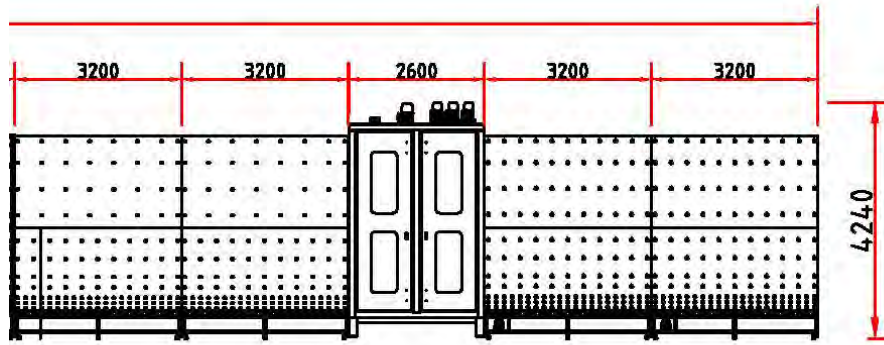
Vertical automatic insulating glass flat press production line is mainly used for Insulating Glass Units (also known as double glazing glass, or double glaze) production. Our LBZ3300 model applies for glass processing company, and windows & doors processor/fabricator. Fully automatic glass sheet transportation through the whole line, automated Low-E coating detection, auto glass washing and drying, fully automatic IGU assembly and pressing with optional gas filling on line, and finally automatic secondary sealant sealing assure high quality insulating glass unit, which guarantees the long life top performance.

Glass size	Glass thickness	Spacer width	I.G. thickness	4-sides steps
 Min. 300×600mm Max. 3300×7000mm	 3-12mm	 6-27mm	 12-100mm	 a: 0-250mm b: 0-100mm

### Feature

1. PLC control system with touching screen interface
2. Automatic distinguish the coating side of Low-E glass.
3. Perfect washing performance for on/off line Low-E glass.
4. Unique air knife with silencer device.
5. Automatic aluminum frame mounting system.
6. Auto glass positioning system
7. Inside and outside assembly and press function.
8. On-line gas filling, and auto glass size checking system for gas filling time. (Option)
9. Double IGU, triple IGU, shaped IGU and stepped IGU (Option).
10. Bendable mechanical structure for general container loading, save freight.

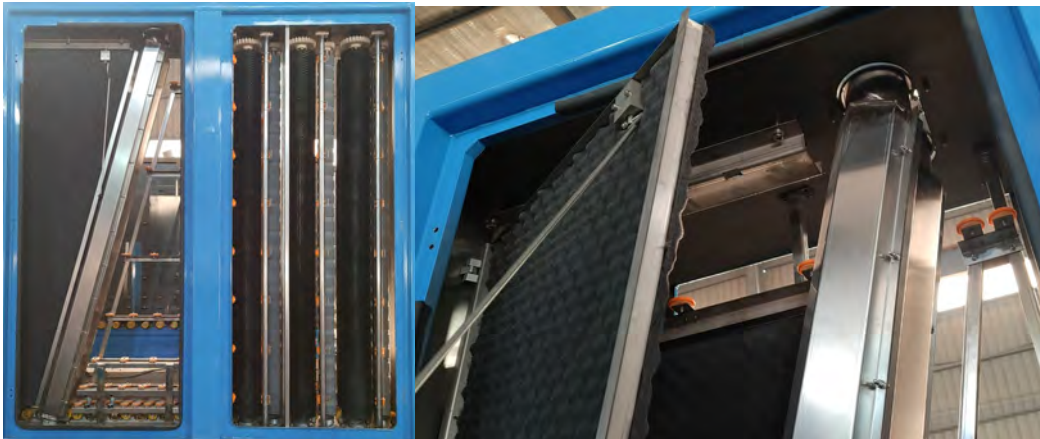
### Glass washing section

**Feature**

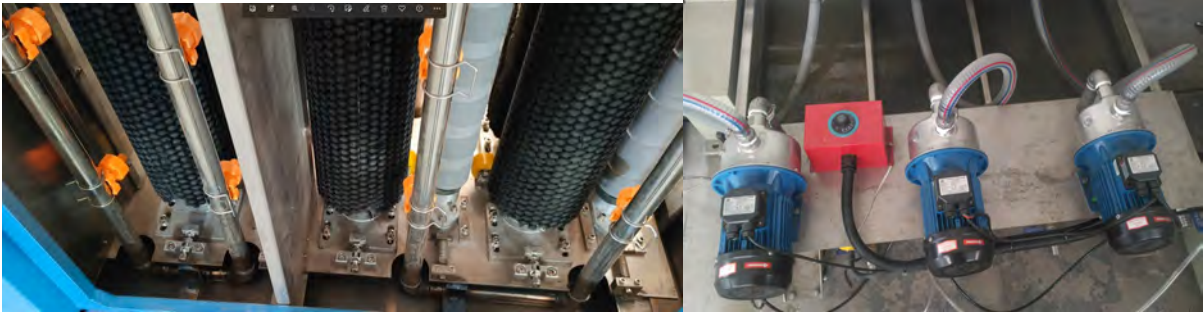
1. Automatic distinguish the coating side of Low-E glass, front 3 soft low-E brushes.



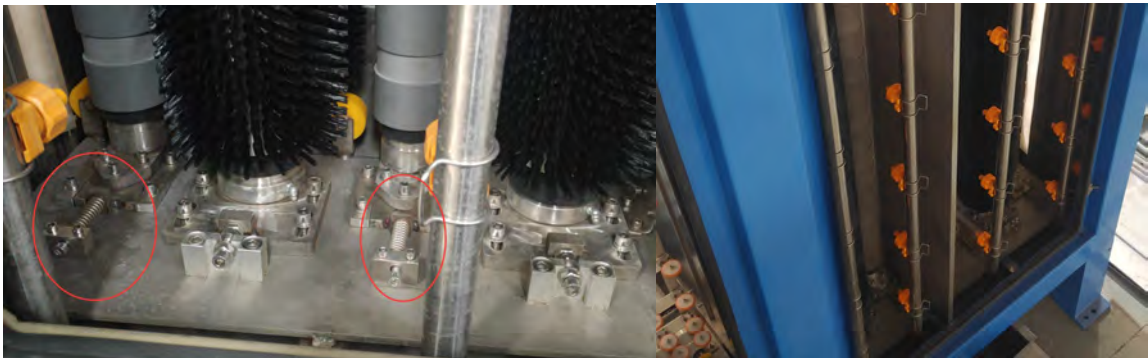
2. Unique air knife and silencer for washing machine.



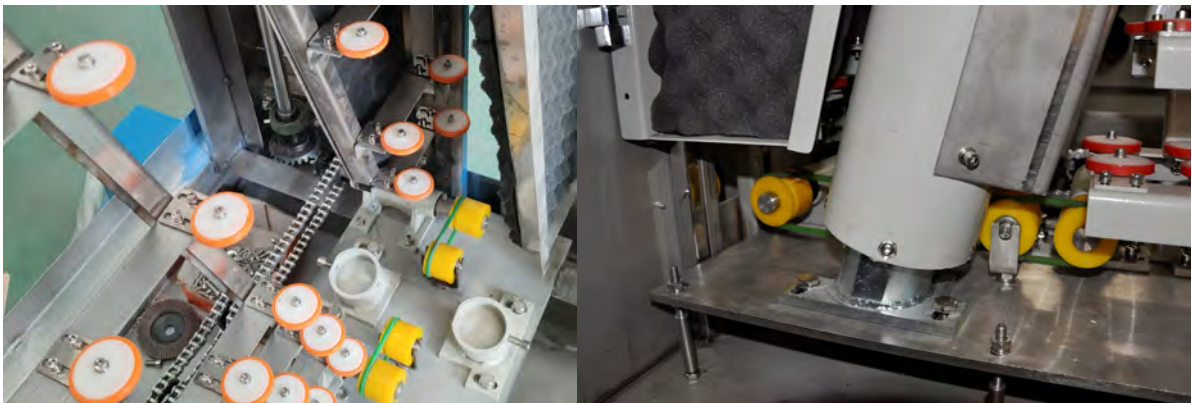
3. The washing zone and water tank are made of stainless steel and corrosion-proof material. Water heating system available.



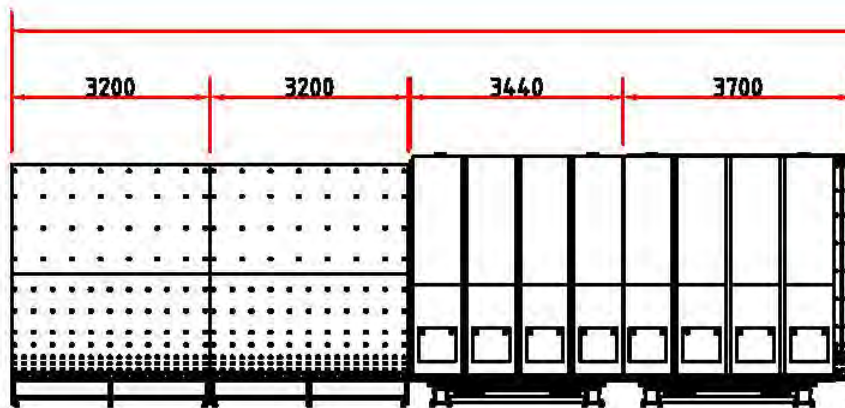
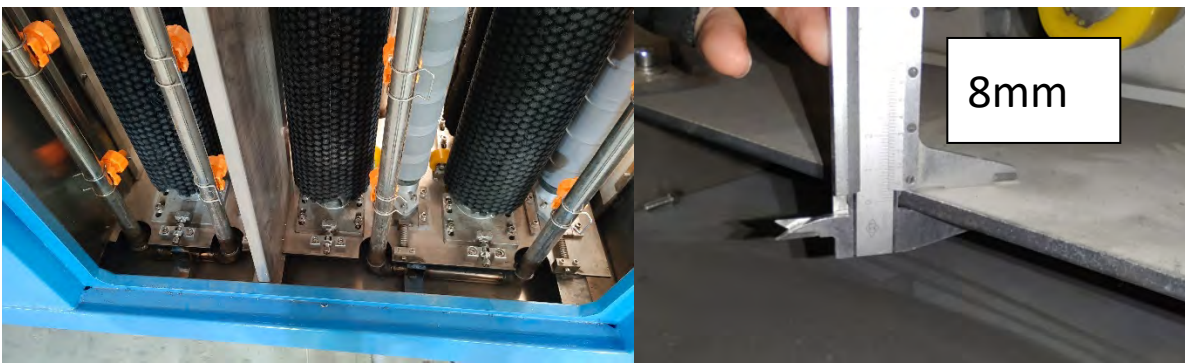
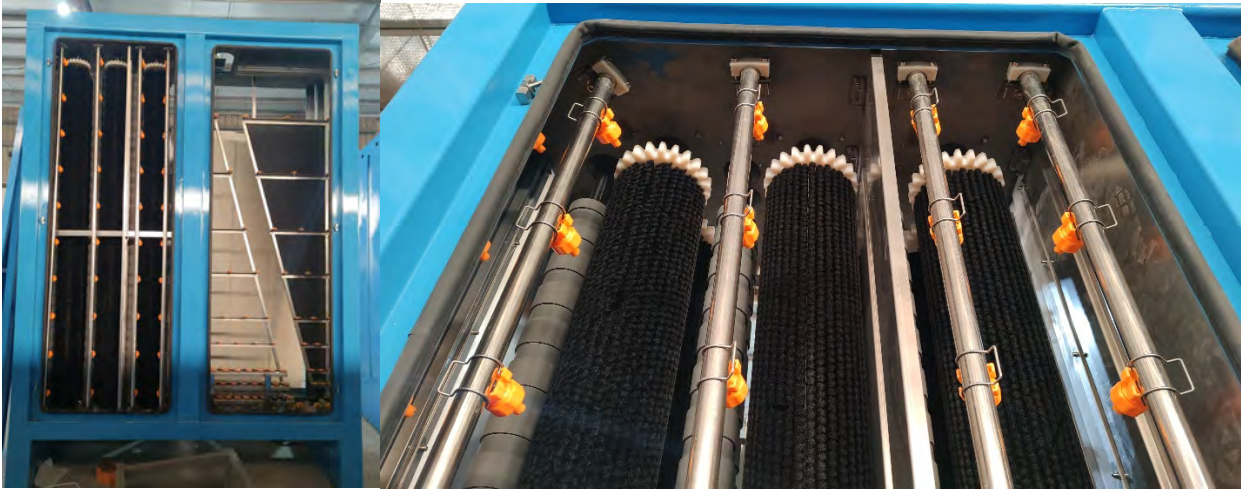
4. The conveyor rollers are made of rubber, resistant to acid and alkali.
5. Automatic adjustment of glass thickness from 3mm to 12mm.



6. Drive speed adjusted by inverter stepless, the glass runs stably at proper speed.



7. Three pairs of brushes, with high-pressure water spray nozzle.
8. In the drying zone, there is a pair of alloyed and corrosion-proof air knife, installed angularly, generate strong air flow to dry both sides of glass.
9. Three independent water circulating system: the first washing water system, the second washing water system and rinse water system.
10. To ensure the washing quality, the water conductivity should not exceed 40 $\mu$ s/cm.
11. 15KW blower with heating system.

**Feature**

1. Ultra-long insulating glass can be processed in this pressing robot.
2. CNC machine cutting for pressing plate with 48 precisely adjustable screw for flatness adjustment.



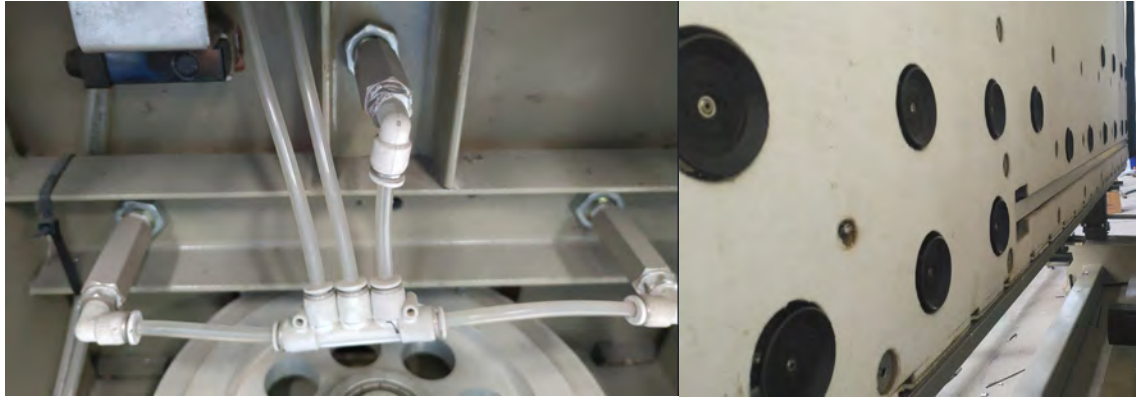
3. Maintenance open up to 650mm for easy maintenance.
4. Servo motor drives synchronous belt for assembly and pressing.



5. Stepped IGU and on-line gas filling available.
6. 33 SMC gas filling nozzle control solenoid, auto adjustment according to detected glass length.



7. Auto gas glass length and height detect, auto gas filling time setting.
8. Logistic valve used to save air consumption. For example, only the glass touching the suction cup, it works, the rest suction cups are all silent and close.

**Parameter**

Max. IG size	3300×7000mm
Min. IG size	300×600mm
Single glass thickness	3-12mm
Insulating glass thickness	40mm
Glass washing speed	2-10m/min
Washing brushes	3 pairs
Glass conveyor speed	45m/min
Conveyor wheel height	520mm
Air supply	0.8m <sup>3</sup> /min(1Mpa) ≥0.8Mpa
Water supply	0.5t/h conductivity ≤40 μ s/cm
Power	3P 380V 50HZ 55kw
Dimension	48500×3200×4500mm
Weight	10000Kg

**Brand parts list**

Name	Brand	Country
PLC	Siemens	Germany
Servo driver	Kinco	China
Servo motor	Kinco	China
Touching screen	Siemens	Germany
Inveter	Omron	Japan

Breaker	Schneider	French
Contactora	Schneider	French
Relay	Schneider	French
Indicator	Schneider	French
Knob	Schneider	French
Sensor	Omron	Japan
Proximity switch	IFM	Germany
Solenoid	Airtag	TAIWAN
Air cylinder	Airtag	TAIWAN
Power supply	MW	TAIWAN
Solenoid	Airtag	TAIWAN
Air cylinder	Airtag	TAIWAN
Power supply	MW	TAIWAN
Guider	TBI	TAIWAN