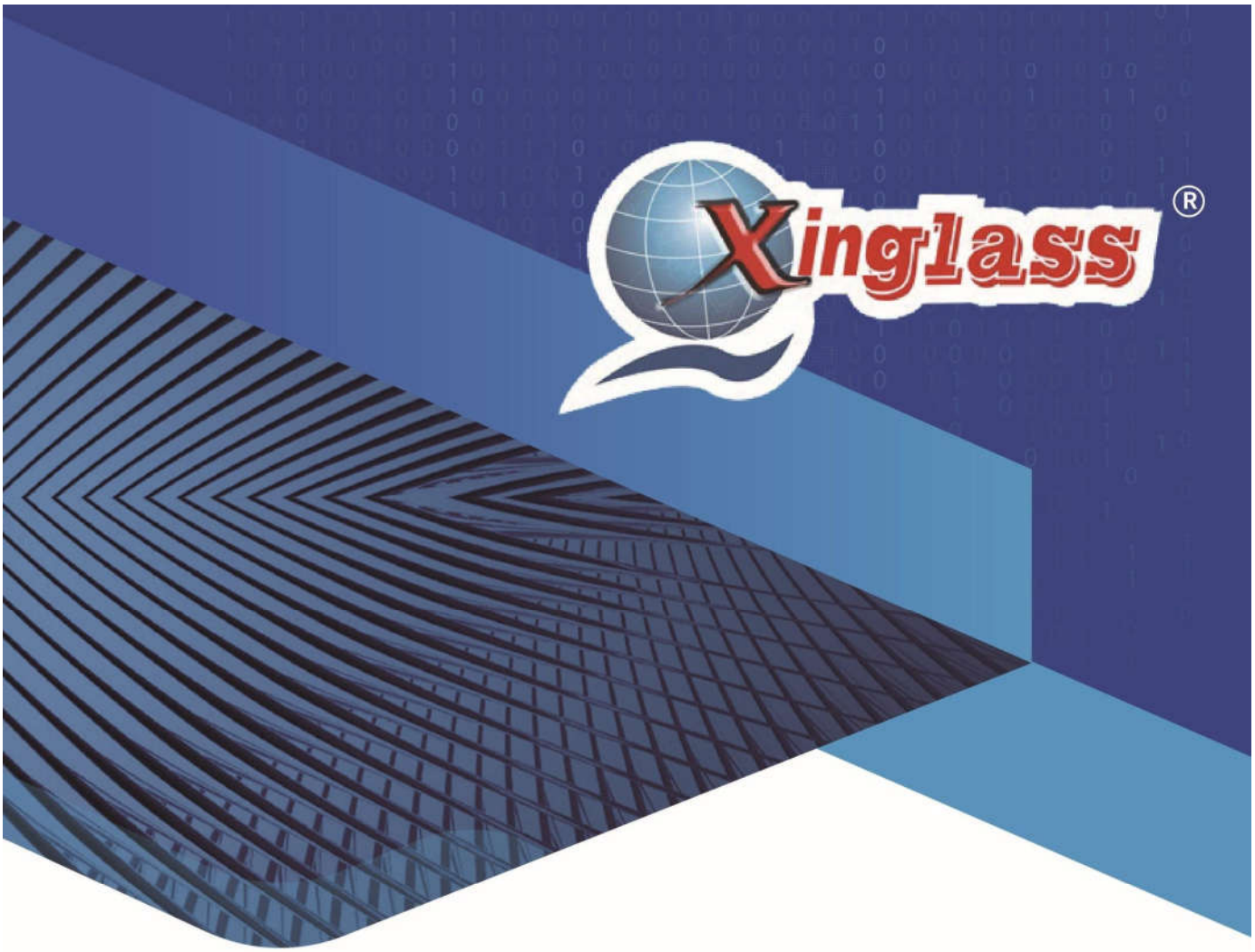


HANGZHOU GLASS TECHNOLOGY CO., LTD.

Products

Tempering Furnace Series for Flat Glass
Tempering Furnace Series for Flat/Bend Glass
Bending Tempering Furnace
Glass Washing Machine Series
Special Equipments for Glass Processing



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TEMPERING FURNACE SERIES FOR FLAT GLASS

















Technical Advantages

QX-Smart4.0 Intelligent Control System

Advanced technology digital control systems, intelligent control modules. Electric and electronic control components from Mitsubishi, Panasonic, Siemens, Schneider, and other international first-class brands are used to ensure the precision and stability of the motion control system, and achieve the optimal speed and stable performance. The system is easy to operate and user-friendly, and the intelligent system greatly reduces the dependence on personnel operations.

QX-Remote2.0 Remote Control System

The machine can be equipped with a remote control system, to perform remote user operation, remote status detection, remote monitoring and remote diagnosis. It is convenient for users to operate and monitor the equipment without arriving at the site. It is convenient for technicians to inspect and maintain the equipment without arriving at the site.

Features

· Temper all glass types with excellent quality

· New technology to temper ultra-thin / ultra-thick glass

· High-performance heat-resistant material saves 25% of electricity, energy efficient

· Intelligent heating control algorithms, QX intelligent digital control system

· New air convection technology, USA designed

· Uniform heating, precise and stable heating control, the temperature control accuracy is ±1°C

· The upper and lower air knife adjustable accuracy reaches 0.05mm

· The tempered glass is perfectly flat, spotless, with no waves, no scratches, optical performance close to the original glass

· Optimized tempering process, eliminate most glass defects such side deformation, optical distortion, roller marks, etc

· Meet tempering standards ANSI Z97.1, EN 12150-1: 2000, GB15763.2-2005, GB / T9963, GB / T9656, JIS R 3206 and other standards

FOR MORE INFORMATION, PLEASE CHECK WEBSITE: WWW.XINGLASS.COM

Production efficiency (Average Value)		
3mm	120S/L	about 30 L/H
4mm	160S/L	about 22 L/H
5mm	200S/L	about 18 L/H
6mm	240S/L	about 14.5 L/H
8mm	320S/L	about 11 L/H
10mm	400S/L	about 8.5 L/H
12mm	480S/L	about 7 L/H
15mm	630S/L	about 5.5 L/H
19mm	800S/L	about 4 L/H

PARAMETER

Specs	Glass Thickness	Glass Max. Size (mm)	Glass Min. Size (mm)	Rated Power (kw)
QX-GTH0612	2.5--12	600*1200	65*65	215
QX-GTH0612	3--19	600*1200	65*65	165
QX-GTH0714	2.8--12	720*1400	75*75	234
QX-GTH0714	3--19	720*1400	75*75	206
QX-GTH1020	3--19	1000*2000	90*90	350
QX-GTH1024	5--19	1000*2440	90*90	212
QX-GTH1030	5--19	1000*3000	90*90	260
QX-GTH1036	5--19	1000*3600	90*90	320
QX-GTH1224	2.8--19	1250*2440	110*110	654
QX-GTH1224	3--19	1250*2440	110*110	610
QX-GTH1224	5--19	1250*2440	115*115	258
QX-GTH1230	5--19	1250*3000	115*115	322
QX-GTH1236	5--19	1250*3600	115*115	382
QX-GTH1525	3--12	1500*2500	140*140	715
QX-GTH1525	4--19	1500*2500	140*140	390
QX-GTH1530	3--12	1500*3000	140*140	813
QX-GTH1530	4--19	1500*3000	140*140	406
QX-GTH1530	5--19	1500*3000	140*140	396
QX-GTH1536	5--19	1500*3600	140*140	455
QX-GTH1825	4--19	1800*2500	140*140	488
QX-GTH1836	4--19	1800*3600	140*140	690
QX-GTH2036	5--19	2000*3600	100*220	608
QX-GTH2036	4--19	2000*3600	100*220	768
QX-GTH2040	4--19	2000*4000	100*220	856
QX-GTH2436	4--19	2440*3600	100*250	960
QX-GTH2442	5--19	2440*4200	100*280	860
QX-GTH2448	5--19	2440*4800	100*280	965
QX-GTH2454	5--19	2440*5400	100*280	1090
QX-GTH2460	5--19	2440*6000	100*280	1210
QX-GTH2546	5--19	2500*4600	120*300	970
QX-GTH2550	5--19	2500*5000	120*300	1060
QX-GTH2560	5--19	2500*6000	120*300	1265
QX-GTH3050	5--19	3000*5000	120*320	1265
QX-GTH3060	5--19	3000*6000	120*320	1520

TEMPERING FURNACE SERIES FOR FLAT/BEND GLASS















Technical Advantages

QX-Smart4.0 Intelligent Control System

The machine can be equipped with multiple interfaces, and each machine can communicate with other types of machines. All machines can access the same network for communication and control between machines. Through the mutual communication of different equipment, the production process is under full control, and the production efficiency is optimized.

Curve Compensation Technology

The numerical correction and compensation technology of hard and soft shaft bending enables the relative displacement variation of each roller to be carried out according to the theoretical value in the process of arc changing. The arc changing is fast, with high accuracy, reliable structure, and less maintenance, to meet the precise molding of glass with different radian and curved surfaces. The glass positioning and rectifying device technology ensures the accuracy of molding, and it is the best choice for production of high quality curved glass and automotive glass.

Features

- Temper flat and bent/curved glass in the same machine
- Hard axis and soft axis bending are selected for different fields of application, realizing automatic arc adjustment with multiple curvatures
- Flat tempered glass products are perfectly flat, with no spots, no waves, no scratches, and the optical performance is close to the original glass
- Curved tempered glass products are formed accurately, the arc is smooth, there is no pressure marks, no scratches, and the optical performance is close to the original glass
- Suitable for a variety of glass types, high-quality tempering
- Precise hydraulic and servo system control and high-quality profiles ensure precise glass forming
- Super-large/super-small size glass toughening new technology
- High-performance imported heat-resistant insulation materials save 25% of electricity
- Intelligent heating control algorithm, temperature control accuracy reaches ±1 °C
- A new type of air convection technology, designed in USA
- Optimized design of the tempering process, eliminating glass defects, deformation, white marks, roller marks, etc.
- products comply with ANSI Z97.1, EN 12150-1:2000, GB15763.2-2005, GB/T9963, GB/T9656, JIS R 3206, and other tempered standards

FOR MORE INFORMATION, PLEASE CHECK WEBSITE: WWW.XINGLASS.COM

SOFT AXIS

Mainly used for producing large size flat/bend tempered glass for building or outdoors.

Specs	Flat Glass (mm)				Bend Glass (mm)				Total Power (kW)
	Width	Length	Thickness Range	Min. Size	Arc width	Length	Thickness Range	Min. Radius	
QX-GTFB2025S	2050	2500	4~19	100*220	2050	2500	5~19	750	535
QX-GTFB2030S	2050	3000	4~19	100*220	2050	3000	5~19	750	640
QX-GTFB2036S	2050	3600	4~19	100*220	2050	3600	5~19	750	768
QX-GTFB2040S	2050	4000	4~19	100*220	2050	4000	5~19	750	845
QX-GTFB2236S	2250	3600	4~19	100*235	2250	3600	5~19	850	820
QX-GTFB2240S	2250	4000	4~19	100*235	2250	4000	5~19	850	950
QX-GTFB2245S	2250	4500	4~19	100*235	2250	4500	5~19	850	1048
QX-GTFB2248S	2250	4800	4~19	100*235	2250	4800	5~19	850	1130
QX-GTFB2436S	2440	3600	4~19	100*250	2440	3600	5~19	950	920
QX-GTFB2440S	2440	4000	4~19	100*250	2440	4000	5~19	950	1024
QX-GTFB2445S	2440	4500	4~19	100*250	2440	4500	5~19	950	1145
QX-GTFB2448S	2440	4800	4~19	100*250	2440	4800	5~19	950	1238
QX-GTFB2840S	2800	4000	5~19	120*280	2800	4000	6~19	1100	948
QX-GTFB2842S	2800	4200	5~19	120*280	2800	4200	6~19	1100	1000
QX-GTFB2850S	2800	5000	5~19	120*280	2800	5000	6~19	1100	1190
QX-GTFB3050S	3000	5000	5~19	150*300	3000	5000	6~19	1200	1295
QX-GTFB3060S	3000	6000	5~19	150*300	3000	6000	6~19	1200	1550

HARD AXIS

Mainly used for producing flat/bend tempered glass for domestic electrical appliances or home decoration.

Specs	Flat Glass (mm)				Bend Glass (mm)				Total Power (kW)
	Width	Length	Thickness Range	Min. Size	Arc width	Length	Thickness Range	Min. Radius	
QX-GTFB0812-II	1250	2400	4~19	80*150	800	1250	4~12	450	310
QX-GTFB0812-III	1250	3600	4~19	80*150	800	1250	4~12	450	460
QX-GTFB0816-II	1650	2400	4~19	80*180	800	1650	4~12	450	420
QX-GTFB0816-III	1650	3600	4~19	80*180	800	1650	4~12	450	630
QX-GTFB0820-II	2050	2400	4~19	100*220	800	2050	4~12	450	520
QX-GTFB0820-III	2050	3600	4~19	100*220	800	2050	3.5~12	450	770
QX-GTFB1018-II	1850	2800	4~19	80*200	1000	1800	3.5~12	470	530
QX-GTFB1018-III	1850	4200	4~19	80*200	1000	1800	3.5~12	470	810
QX-GTFB1020-II	2050	2800	4~19	100*220	1000	2050	3.5~12	470	590
QX-GTFB1020-III	2050	4200	4~19	100*220	1000	2050	3.5~12	470	890
QX-GTFB1024-III	2440	4200	4~19	100*250	1000	2440	3.5~12	470	1070
QX-GTFB1220-II	2050	3400	4~19	100*220	1200	2050	4~12	500	722
QX-GTFB1220-III	2050	4800	4~19	100*220	1200	2050	4~12	500	1024
QX-GTFB1224-II	2440	3400	4~19	100*250	1200	2440	4~12	500	862
QX-GTFB1224-III	2440	4800	4~19	100*250	1200	2440	4~12	500	1240
QX-GTFB1520-II	2050	4200	4~19	100*220	1500	2050	4~12	600	890
QX-GTFB1524-II	2440	4200	4~19	100*250	1500	2440	4~12	600	1100
QX-GTFB2024-I	2440	3600	4~19	100*250	2000	2440	5~15	750	940
QX-GTFB2224-I	2440	3600	4~19	100*250	2200	2440	5~15	820	980
QX-GTFB2528-I	2800	4200	5~19	120*280	2500	2800	5~15	950	1050
QX-GTFB2530-I	3000	4800	5~19	150*300	2500	3000	5~15	980	1198

GLASS WASHING MACHINE SERIES







Technical Advantages

Durability

The main transmission adopts high-strength gear transmission, frequency conversion speed regulation, stable and reliable transmission, low noise, and extremely long service life. All transmission mechanisms use high-performance and high-quality materials, combined with a large number of durable components so that the stability and durability of the machine greatly exceeds the traditional glass washing machine. Its fully enclosed equipment shell ensures no splashing or leaking.

Combination of Stainless Steel and Polymer Materials

The glass washing machine adopts a large number of stainless steel and new polymer materials combined design to enhance corrosion resistance. Long-term use does not rust it and keeps internal parts clean. The washing section is integrally welded by thick stainless steel, with high strength and no deformation. The external shield, internal components, brush shaft, filter screen, water spray pipe, water tank, air knife, etc. are all made of stainless steel and new polymer materials for superior corrosion resistance.

Features

- Designed to operate 24/7
- Suitable for all types of glass, maintaining optimum cleanliness and excellent quality
- High-speed washing for high-volume needs
- Optimized washing process design to improve glass surface quality
- Stepless speed regulation drive system, stable and reliable transmission
- Stainless steel combined with polymer material, rust and corrosion resistant
- Adjustable height, washing glass thickness range: 0.5~19mm
- Drive rollers with good linearity, high flatness and long service life
- High-quality wear-resistant brush and drive belt with extremely long service life
- Water circulation system reduces water consumption
- Custom designed for highest performance and productivity
- Meet the needs of today's glass manufacturing process

PARAMETER

Specs	Glass Thickness (mm)	Glass Max. Size (mm)	Glass Min. Size (mm)	Rated Power (kw)
QX-GW380	0.5--6	380*800	25*25	5
QX-GW500	1--8	500*1000	40*40	7
QX-GW600	1--8	600*1300	65*65	10
QX-GW800	2--10	800*1600	80*80	7-12
QX-GW1000	2--12	1000*1600	90*90	8-16
QX-GW1200	2--12	1200*1800	100*100	9-18
QX-GW1500	2--12	1500*2000	115*115	10-21
QX—GW1800	2--19	1800*2200	125*125	16
QX—GW2000	3--19	2000*2400	100*200	17
QX—GW2200	3--19	2200*2400	100*200	18
QX—GW2500	3--19	2500*3000	100*250	20
QX—GW3000	3--19	3000*4000	100*300	28

FOR MORE INFORMATION, PLEASE CHECK WEBSITE: WWW.XINGLASS.COM

QX-GWB Bent Glass Washing Machine



China's First and Exclusive Manufacturing

As China's First Invented and Made by Xinglass, this bent glass washing machine can be used to clean and dry bent and curved glass, including automotive glass, furniture glass, kitchenware and electrical appliance glass, architecture and decoration glass. The bent glass washing machine thoroughly cleaned the glass by curved brush, arc-changing technology, and arc-cleaning system. It makes cleaning bent tempered glass into a reality!

Features

- Clean flat glass and bent glass at the same time
- High-quality washing of curved/bent glass to maintain the best cleaning level
- New technology to adjust the radius of curvature and the curved arc
- The arc of the transmission wheel, brush, water pipe, and air knife can be adjusted automatically and accurately
- Automated process control and high efficiency
- Circulating cleaning water system, independent water tank, and independent water pump
- Imported PVC protection tube does not rust, high-quality stainless steel material
- Total enclosure prevents water leakage and splashing
- High-quality structure, durable components
- Stable and reliable arc adjustment system
- Optional anti-static systems
- General and special applications meet customer requirements

Technical Advantages

Arc-Changing and Arc-Regulating System

According to different curvatures and sizes of glass, the entire transmission mechanism including transmission wheels, brushes, water pipes, and air knives can be adjusted arbitrarily and accurately. This solves the problem of adaptive glass arc adjustment, adapts to different glass curvatures, and achieves the best glass cleaning quality.

Curved Brush Technology

The brush can be bent to arc according to the shape of the glass, without a high-pressure water spray system. Compared with the traditional bent glass washing machine, our machine structure is more optimized, the cleaning quality is better, and high-speed cleaning can be achieved.

Technical parameters

1. Washing glass parameter:
Glass thickness range 2-19mm
Arc adjust range R400-∞
Glass max. size 2440mm*2500mm and up
Glass min. size 150mm*180mm
2. Power
Total power 10kW-30kW
3. Conveying speed: 4-10m/min

FOR MORE INFORMATION, PLEASE CHECK WEBSITE: WWW.XINGLASS.COM

Continuous Glass Tempering Furnace







Technical Advantages

Intelligent Control System

Large-capacity solar glass and appliance glass product parameter storage, online automatic adjustment of production process parameters, scientific process plan customization, fully meet the needs of solar and photovoltaic industrial production. Fully automatic control of the production process, self-diagnosis function, user-friendly man-machine interface. Digital computer control systems integrate multiple advanced technologies and intelligent control modules.

Constant Temperature Compensation Technology

Finely subdivide a variety of matrix temperature control sections, so that each heating zone can heat the glass more uniformly and achieve the best glass temperature uniformity. The subdivided heating zone and intelligent heating technology can compensate for the temperature difference in different areas to achieve the best constant temperature effect.

Features

- Very high output and production efficiency
- Advanced curing technology of solar photovoltaic glass film layer
- 24/7/365 non-stop continuous production
- Intelligent digital computer control system
- Temperature control accuracy reaches ±1 °C
- With the intelligent heating control algorithm, the temperature in the furnace is highly uniform
- Precise control of the process curve of solar coated glass
- Intelligent process control and online modification, excellent performance, and precision
- High-precision frequency conversion servo control to ensure the stable operation of the glass and variable speed adjustment
- Fuzzy intelligent tracking process control, automatic optimization of parameters
- More comprehensive, more advanced, and efficient automation functions
- Greatly reduce production costs and labor costs
- First-class imported heat-resistant insulation materials and laying technology
- Significantly reduce production energy consumption, saving 25-40% of electrical energy
- Ceramic rollers with excellent straightness, roundness, and thermal deformation
- The finished product has no spots, no waves, no blemishes

FOR MORE INFORMATION, PLEASE CHECK WEBSITE: WWW.XINGLASS.COM

QX-LM Glass Laminating Machine



Technical Advantages

Independent Heating Chamber, Multi-Heating Zone Design

There are separate heating chambers, each heating chamber has multiple heating zones, separate vacuum systems and heating systems, can produce different glass. It greatly increases production efficiency and production throughput. Each heating chamber can set different production mode based on the glass type, shape, and dimension. The machine minimizes power consumption and production costs, and maximizes production throughput with extremely highly flexible glass loading methods.

Intelligent Heating Technology

QX-Smart intelligent heating system, temperature control accuracy can reach ±1°C. Each independent heating chamber adopts a convection heating system, which uses fans and air ducts to circulate the heat generated by the heater. The biggest advantage of this design is that the temperature inside the heating chamber can rise quickly and evenly. Each heating chamber can individually display and control the temperature, with balanced heat and low heat loss. The insulation layer around the heating chamber is made of high-quality aluminum silicate fiber mineral wool, which has excellent insulation performance. Compared with traditional infrared heating, it greatly improves the quality of laminated glass.

Features

- High-quality laminated glass
- Multi-layer, independent heating chamber design
- Increase the production speed by more than 80% than the traditional laminating machine
- Suitable for flat and curved laminated glass
- Suitable for various glass shapes and loading sizes
- Flexible glass loading, reducing costs, and increasing output
- Suitable for a variety of laminated materials
- The laminated glass has no bubbles, no de-lamination, no wrinkles, moisture resistance, and radiation resistance
- QX-Smart intelligent heating temperature control accuracy ±1°C
- Excellent thermal insulation performance, highly uniform temperature
- Three-in-one vacuum system technology
- Pneumatic self-locking device design, no air leakage
- Special silicone vacuum bag, long service life
- Saving 50% energy than traditional laminating machine

Glass Edging Machine



Features

- Flat edge
- Bevel edge
- Pencil edge
- Double edges
- CE, ISO certification
- High-quality edging, eliminating most defects
- Highly polished, achieve the best polishing quality
- The surface of the rear beam remains perfectly flat
- Multi-process precision machining of the front beam, rear beam, and base
- Vibration-free high-quality grinding spindle motors
- The wear-resistant conveyor belt has long service life and smooth movement
- Corrosion-resistant stainless steel and waterproof polymer materials
- Rough grinding, fine grinding, and polishing are integrated, the number of grinding heads can be configured
- Anti-friction and wear-resistant strong chains
- Automatic lubrication system
- Large and small glass size, multiple applications

Technical Advantages

Precision Manufacturing Process

The front beam, back beam, base, etc. are all made by castings and are precision processed through multiple processes such as annealing, rough milling, and fine milling. The product quality has been strictly inspected to ensure the accuracy and durability of the parts. The entire machine uses a large number of corrosion-resistant materials, such as stainless steel and waterproof polymer materials, to ensure long-term service life.

Highly Polished

The polishing part completely avoids mechanical vibration. The bottom edge, and chamfer of the glass achieve a high degree of polish. The edge of the glass achieves the highest quality. It can meet the requirements for glass high-end polishing applications, such as shower doors and fish tank glass.

FOR MORE INFORMATION, PLEASE CHECK WEBSITE: WWW.XINGLASS.COM

Customer Trust

The repeat purchase rate is 100%, which reflects the user's trust in Xinglass products.
All our existing customers chose Xinglass again when purchasing new equipment due to their business expansion.

99% of our customers have been maintaining a long-term cooperative relationship with us





"The Xinglass tempering oven and washing machines have worked well for over 18 years and their quality and service is exceptional."

------ Mr. Silverio
Ready Glass & Mirror
USA

"In our company we have achieved good productivity and quality with our Xinglass furnaces since 2008 and it is very pleasant when your machine supplier is like your friend and partner. Fair price and long-term service. Thanks for that."

vidrio bisel

------ Mr. Jesús Ignacio Flores
Owner of Vidrio Bisel, S.A. de C.V.
https://vidriobisel.com.mx/
MEXICO

"Great Product and Technical Support."

------ Mr. Steve Schwartz
Quality Enclosures
USA

"The product coming out of the oven is spectacular! It is everything we hoped for. Thank you to your staff- the guys that installed the machine, and the people behind the scenes. Please send them our gratitude and let them all know they did a magnificent job. We will continue to talk you and Xinglass up at the shows and around our industry. Thanks again!"

Oldcastle

------- Pat Iaquinto (owner)
Oldcastle BuildingEnvelope®
Midwest Glass Fabricators
https://www.mwgf.com/
https://obe.com/
USA

Service Goal

One choice, lifetime service. Help customers obtain the best economic benefits.

Xinglass aims to build and maintain a lifelong cooperative relationship with customers and partners to deliver high-quality services and establish the best reputation in the industry.

Service System

Xinglass has sales and after-sales service centers in China, the United States, Canada, France, India, Mexico, the Middle East, South America, and other countries to provide direct after-sales service and technical support for global customers.

Customer Satisfaction is our number one priority






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