

## Guangdong Xinlian Glass Technology Co.

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# GUANGDONG XINLIAN GLASS TECHNOLOGY CO., LTD.

» SINCE 2014  
FOSHAN CHINA



RELYING ON 300 THOUSAND MAIN CUSTOMER BASE, SERVICE BILLIONS OF MARKET SIZE, ENJOY THE DIVIDEND ON THE TONGUE  
FULL INDUSTRY CHAIN COVERAGE OF THE ELECTRICITY SUPPLIER PLATFORM, 4000 SQUARE METERS OF NEW FARMERS EXPERIENCE MALL, EQUITY PLUS  
DIVIDENDS VALUE DOUBLED INCOMENEW MODEL OF LARGE INDUSTRY ENTITIES HAVE HIGH INCOME  
2016 THE MOST INVESTMENT VALUE OF THE INTERNET + AGRICULTURAL INDUSTRY PROJECTSLENOVO STREET FARMERS

» SINCE 2014  
FOSHAN CHINA



Forge ahead, the pursuit of excellence



## COMPANY INTRODUCTION

Xinlian and Xulian Glass are sister companies, located in Foshan City, Guangdong Province, with convenient transportation and superior geographical location, and private enterprises specializing in glass deep processing. The company's main products are tempered glass, insulating glass, laminated glass, fireproof glass and other process glass. Its products have passed the national architectural glass industry standards, and passed the Australian standards internationally.

These two companies cover a total area of more than 30,000 square meters, the maximum annual output of more than 3 million square meters, with a large number of domestic advanced glass deep processing equipment, such as the largest production layout of up to 10,000 \* 2700 mm of Jinglass tempering furnace, the largest production layout of 6000 \* 2600 mm South Tech tempering furnace, automatic defilm insulating production line, several laminated glass production lines, vertical drilling machine and water cutting machine.

With the business purpose of "high-quality and safe products, to provide satisfactory service for our customers", the company relies on the scientific management system, the concept of energy conservation, scientific and technological innovation, sustainable development penetrates into all aspects of the company, aiming to build a first-class enterprise in the glass deep processing industry.

# XINLIAN GLASS TECHNOLOGY

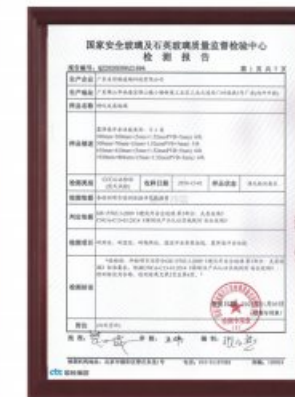


XINLIAN GLASS TECHNOLOGY

# ENTERPRISE HONOR

Guangdong Xinlian Glass Technology Co., Ltd.

xinlian glass is committed to providing one-stop glass solutions. It is a high-tech glass manufacturing enterprise integrating R & D, production and sales.



Long-term partners:







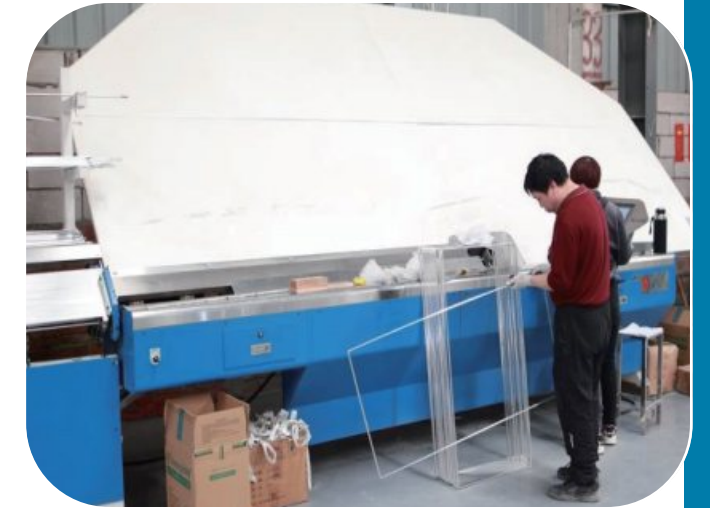
Cutting line



Edge grinding line



Tempering furnace



Continuous bending machine



glass Laminating production line



Insulated production line



film laying section



Auto-clave

# Product Lines And Equipment



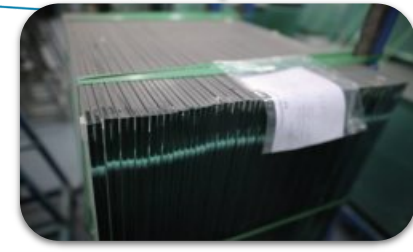
Film applicators



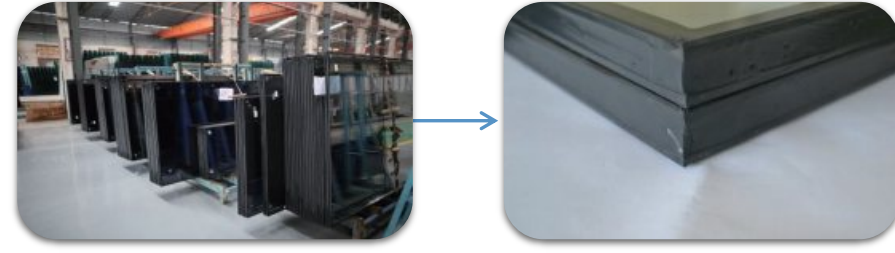
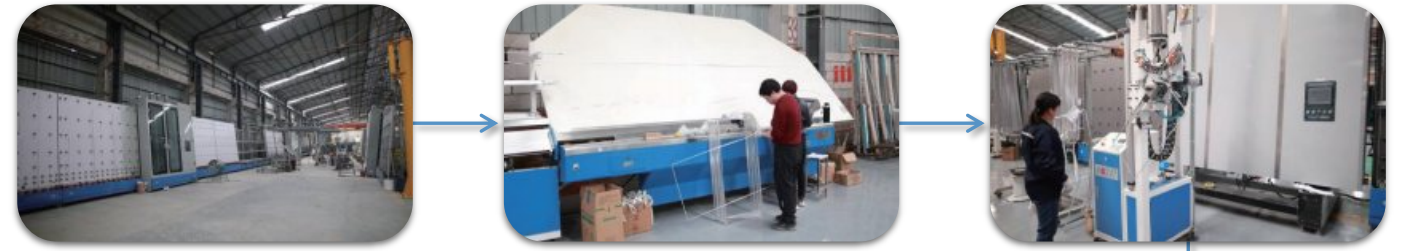
Finished goods warehouse



# Process Flow Demonstration



## Laminated Glass Production Process



## Insulated Glass Process

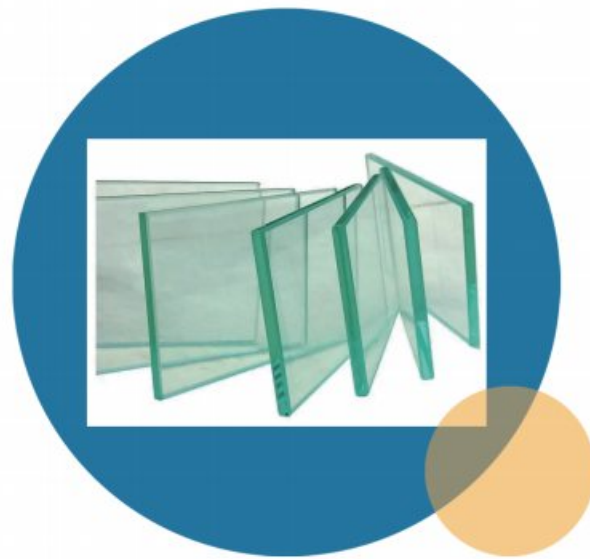


## Basic Production Process

According to the different products, the process requirements will be adjusted accordingly, subject to the actual production.



## Optional Color Palette Display



## Float Glass

Float Glass Float glass is a glass formed by pouring molten glass solution onto the surface of a liquid with a density greater than that of the glass solution. It is a glass with relatively flat surface, good flatness and strong optical properties.

### Technical Parameters

Category	Content
Products	clear glass, ultra clear, tinted glass, heat reflective glass
Thickness	4mm~19mm
Deviation	Normally $\pm 0.2\text{mm}$
Length	720mm~4880mm
Width	2700mm~4880mm
Packaging	Bare package, wooden box
Shipping time	Orders generally take 5-15 days after confirmation depending on the difficulty of processing and production quantities



Clear Float Glass



Crystal Grey Glass



Ocean Blue Glass



Euro Grey Glass



Heat Reflective Glass



Super White Glass

\* See the attached page for details on the parameters of different color schemes



\*Only show part of the color and reference, other more color requirements can consult the business, we use industry-leading high-quality raw materials, better stability, lower maintenance costs





## Tempered Glass

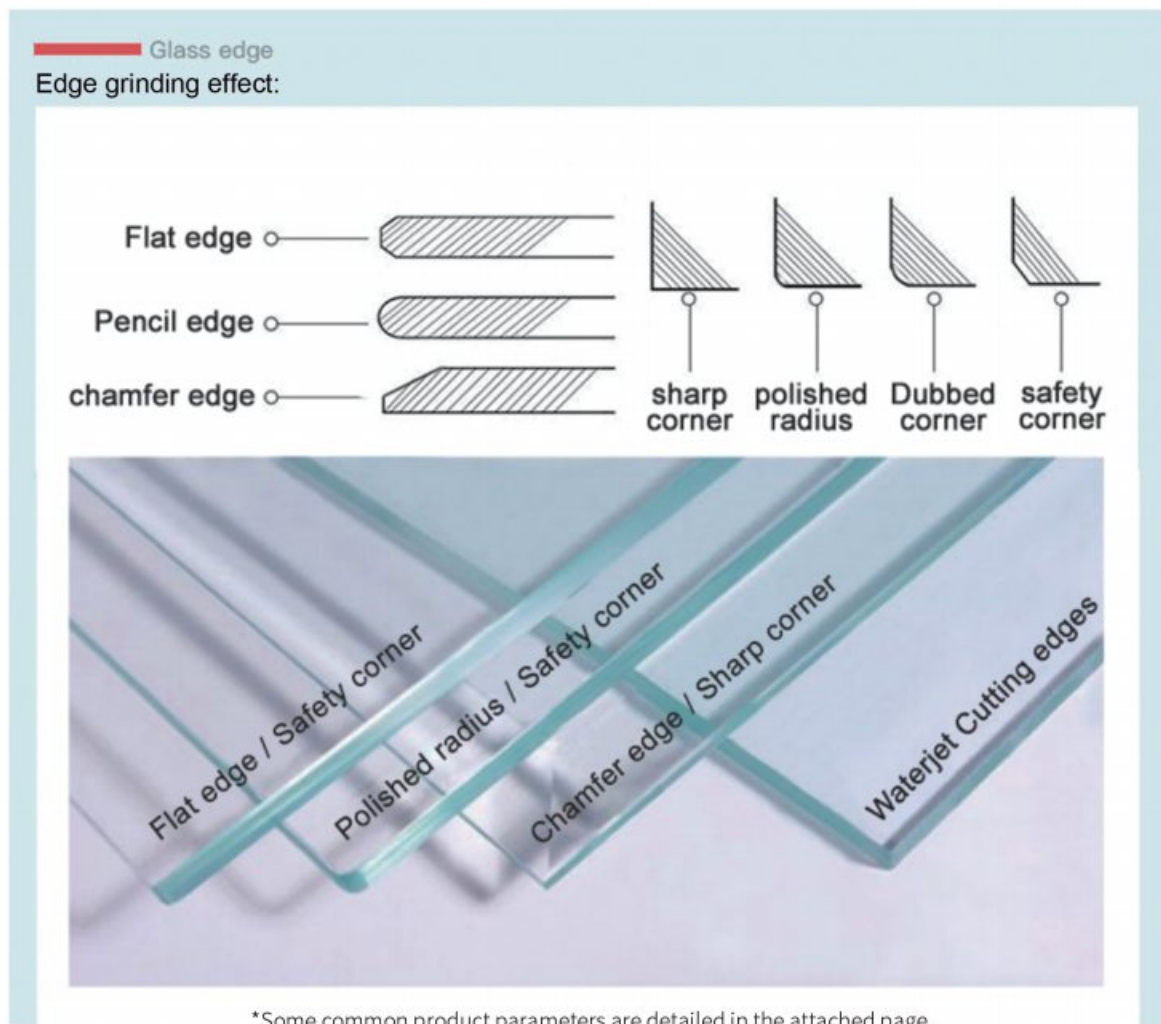
Tempered glass is a kind of safety glass with much higher bending strength, impact strength and thermal stability than float glass, formed after physical tempering of float glass.

### Technical Parameters

Category	Content
Product Name	Tempered Glass / Safety Glass
Features	High strength, high thermal stability, safety, high bending resistance
Certification	CCC, AS/NZS 2208:1996
Size	Minimum size: 300mm*300mm
	Maximum size: 2700mm*10000mm
Packaging method	wooden box package
Shipping Method	shipping by sea
Shipping time	Orders generally take 5-15 days after confirmation depending on the difficulty of processing and production quantities
Payment terms	Negotiation
MOQ	Negotiation

### Customization

Selectable thickness	5mm, 6mm, 8mm, 10mm, 12mm, 15mm, 19mm, 22mm, 25mm, etc
Glass available in your choice of color	clear, ultra clear, European Gray, Crystal Gray, Ocean Blue, Ford Blue, Heat Reflective or Custom
Deviation	Normal $\pm 0.2$ mm
Edge processing	Flat edge, Pencil edge, Chamfer edge
Corner treatment	Sharp corner, Polished radius, Dubbed corner, Safety corner
Customizable shapes	Rectangle, circle, oval, trapezoid, parallelogram, etc.
Customizable holes, notches	Countersunk holes, round holes, flared holes, simple notches, etc.



\*Some common product parameters are detailed in the attached page



# Equipment and Technical Capability

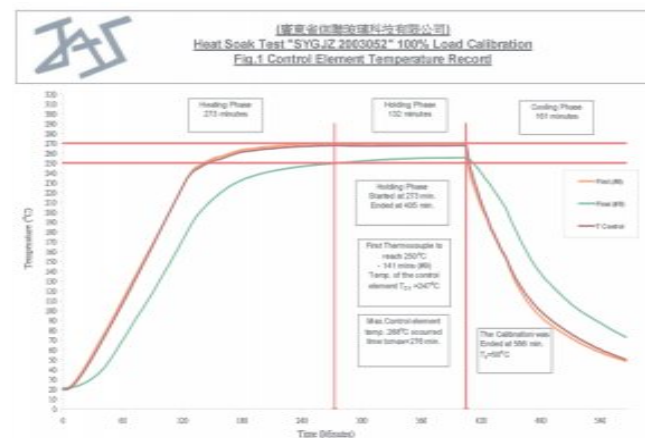
## 1. Three Tempering Production Lines

Xinlian has successively introduced three high-quality tempering production lines, 2 Southtech tempering furnaces and 1 Jinglass tempering furnace, which adopt forced convection heating technology and improve the flatness of tempered glass



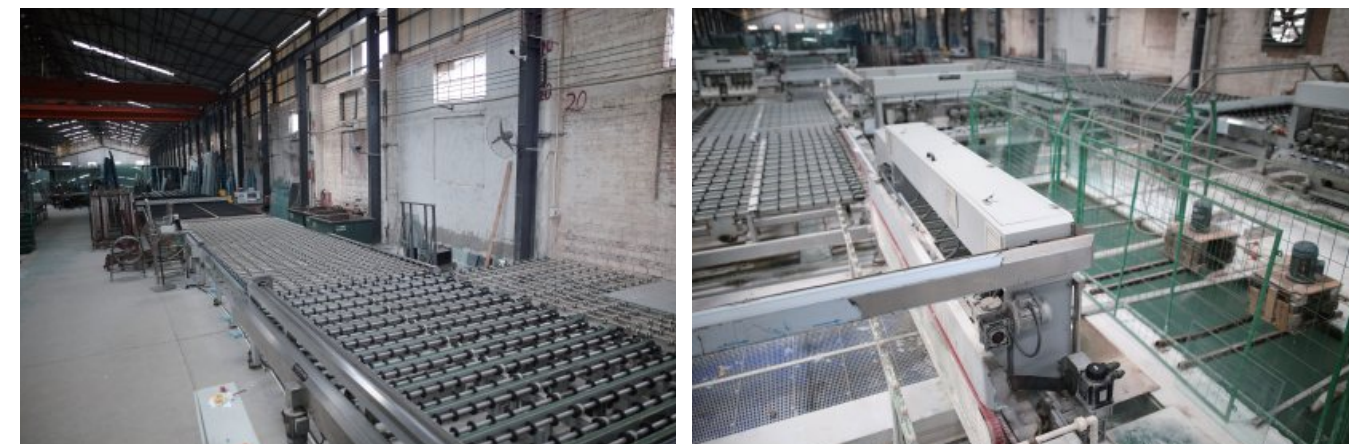
## 2. Homogenization Furnace

Homogenization is a recognized treatment that reduces the self-explosion rate of glass (optional), making the treated tempered glass close to 100% safe and extremely stable.

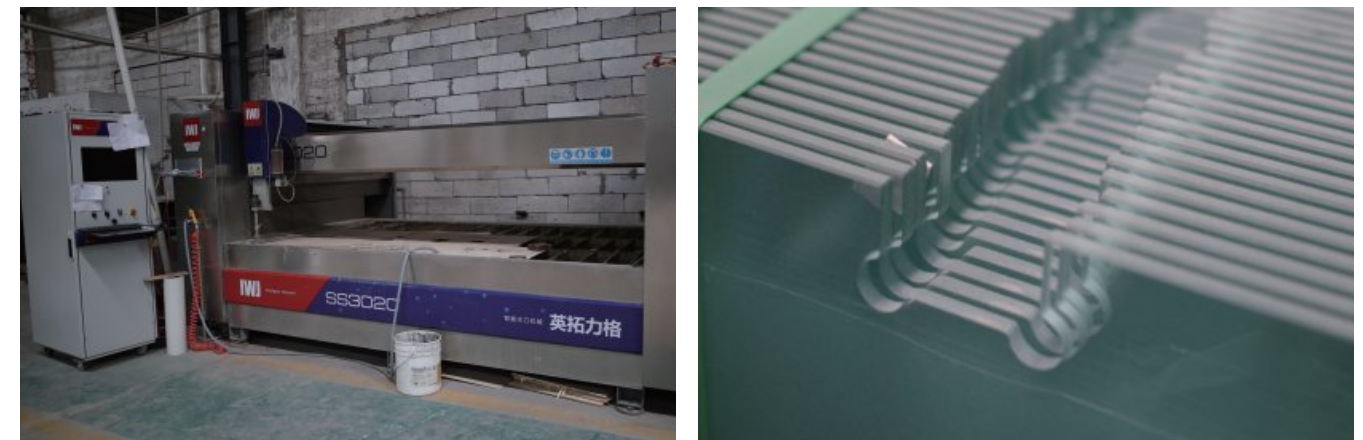


## 3. Cutting and Grinding System

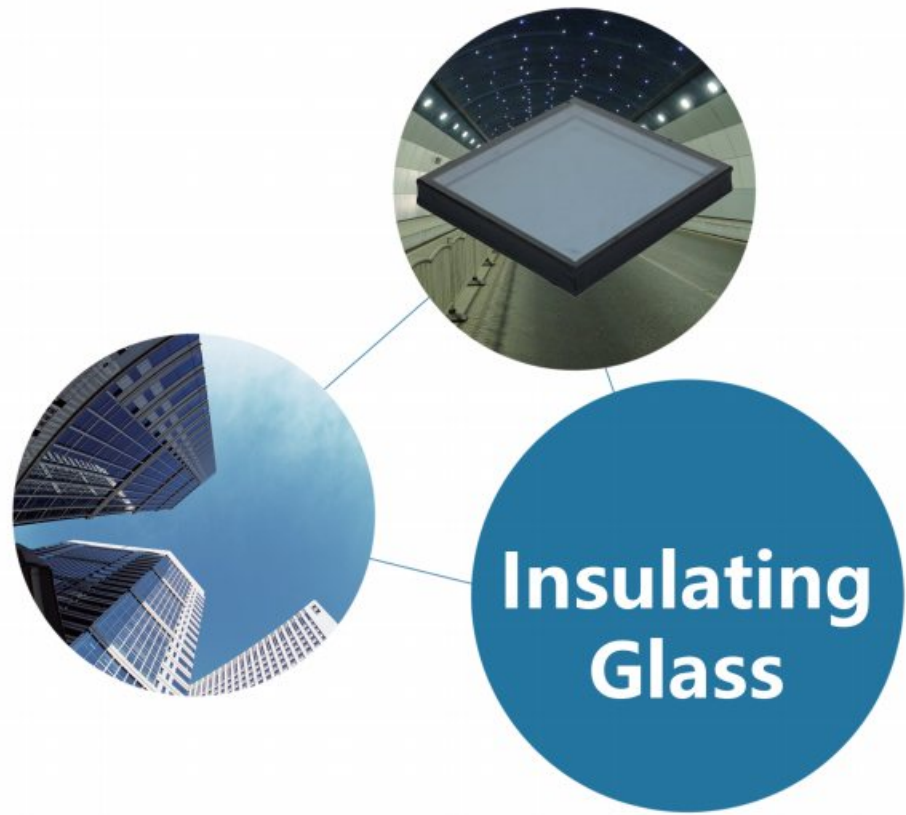
The quality of grinding edge determines the effect of tempered products, cutting and grinding line system to achieve the cutting and grinding process of glass does not fall to the ground, while the use of bilateral linear line grinding machine, higher efficiency, smaller error, processing effect of better quality



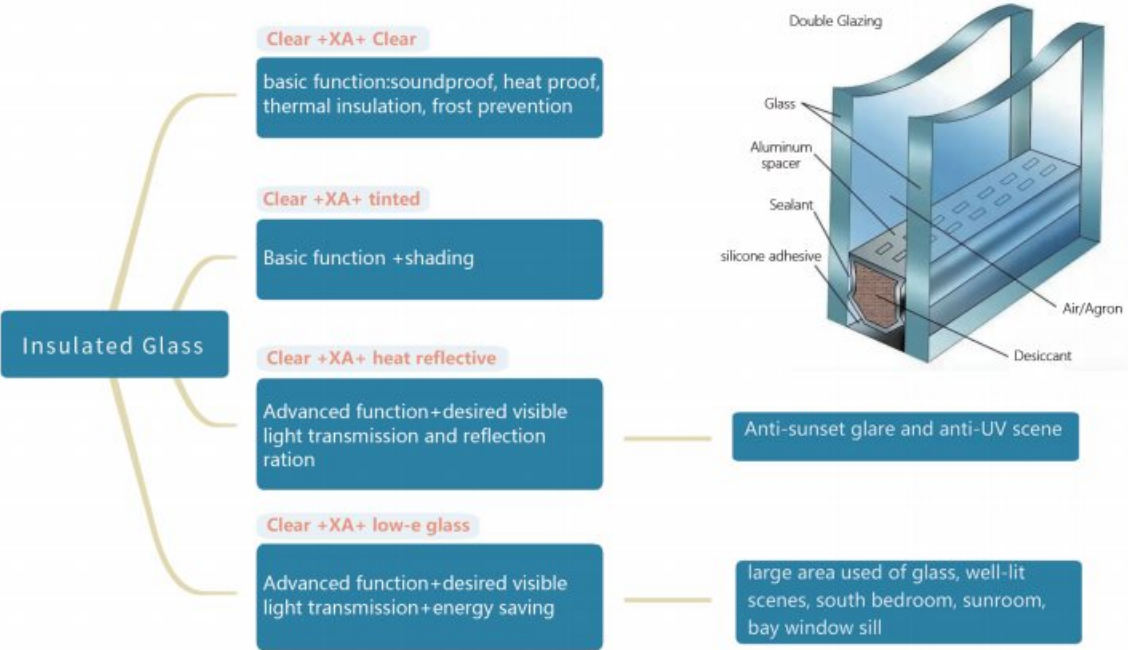
Water cutting can be customized with different notches according to customers' requirements. Notch edges are smoother. Available for a wider range of production applications







### Structure and Characteristics



Insulating glass is a high-performance acoustic glass made of two (or three) pieces of glass, using a high-strength and highly airtight composite binder, and bonding the glass pieces to an aluminum alloy frame containing desiccant. It has the characteristics of energy saving, sound insulation, heat insulation and heat preservation, waterproof and frost and fog prevention.

### Technical Parameters

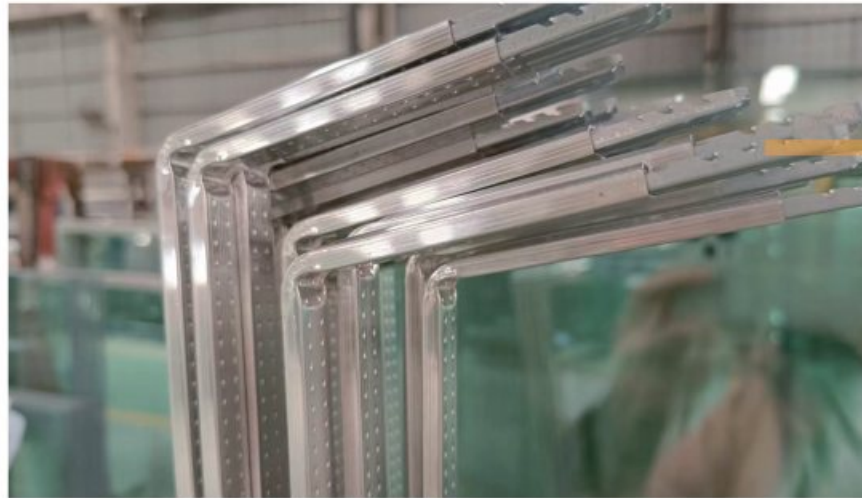
Category	Content
Product Name	Insulating glass, energy-saving glass
Features	Soundproof, heat insulation, watertight, frostproof, energy saving.
Certification	CCC, AS/NZS 2208:1996
Size	Minimum size: 300mm*300mm Maximum size: 3000mm*5000mm, hollow last up to 80mm
Packaging method	Bare package, laminated package, wooden box package
Shipping Method	Car Transport
Shipping time	Orders generally take 5-15 days after confirmation depending on the difficulty of processing and production quantities
Payment terms	Negotiation
MOQ	Negotiation



\*Some common product parameters are detailed in the attached page

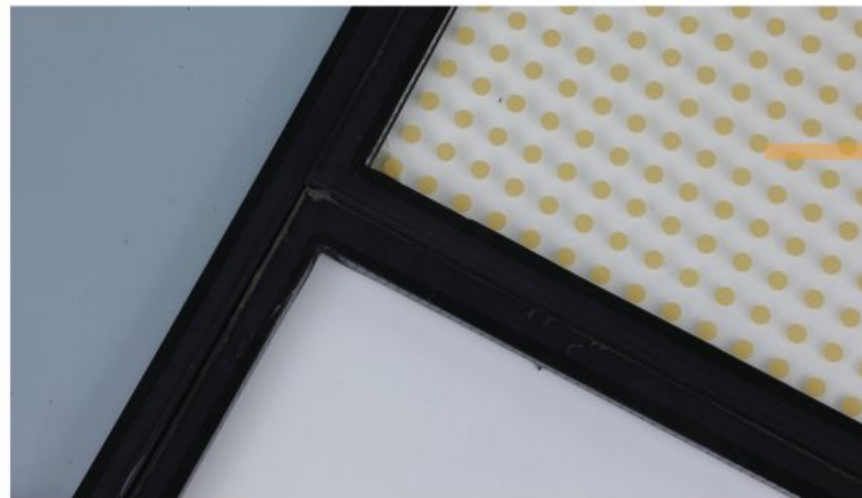


# Insulating Glass Equipment and Technology



## 1. Continuous bending technology

Aluminum Spacer Bar  
Continuous bending technology, fewer joints, better sealing performance



## 2. Two-pass sealing technology

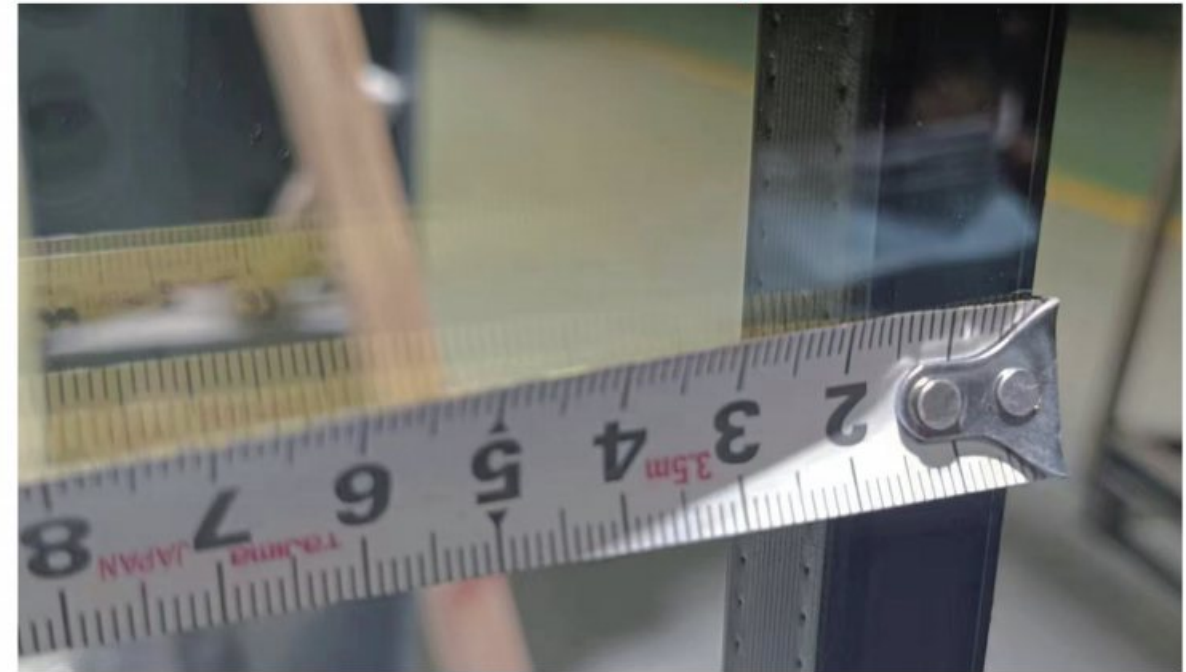
The first seal improves the airtightness of the insulating glass. The second seal improves the weather resistance and corrosion resistance of the insulating glass, making the glass more durable and has a longer service life.



## Butterfly test

the surface of the glue is smoother, the sealing performance is better, indicating that the performance of the sealant is better.

## <Greater rubber depth>



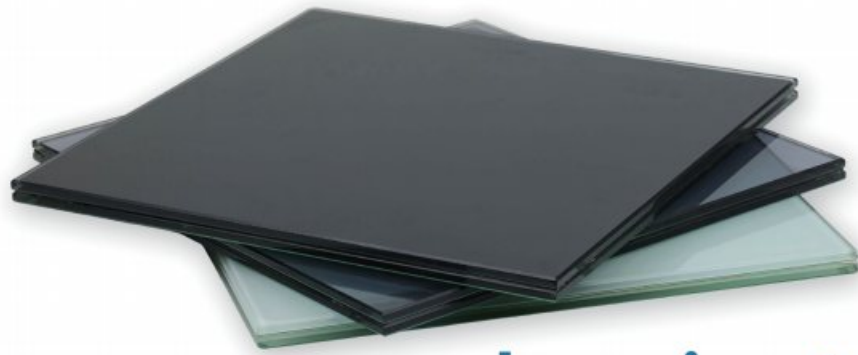
The depth of sealant is higher than the industry level, and the depth of common products can reach 12mm-15mm.

## <Glass Insulation's Cleaning room>



With the upgrading of some customers' product requirements, we have set up a separate clean room for insulated glass compression. Guarantee the flawlessness of the products during the production process. It makes the products provided more high quality.





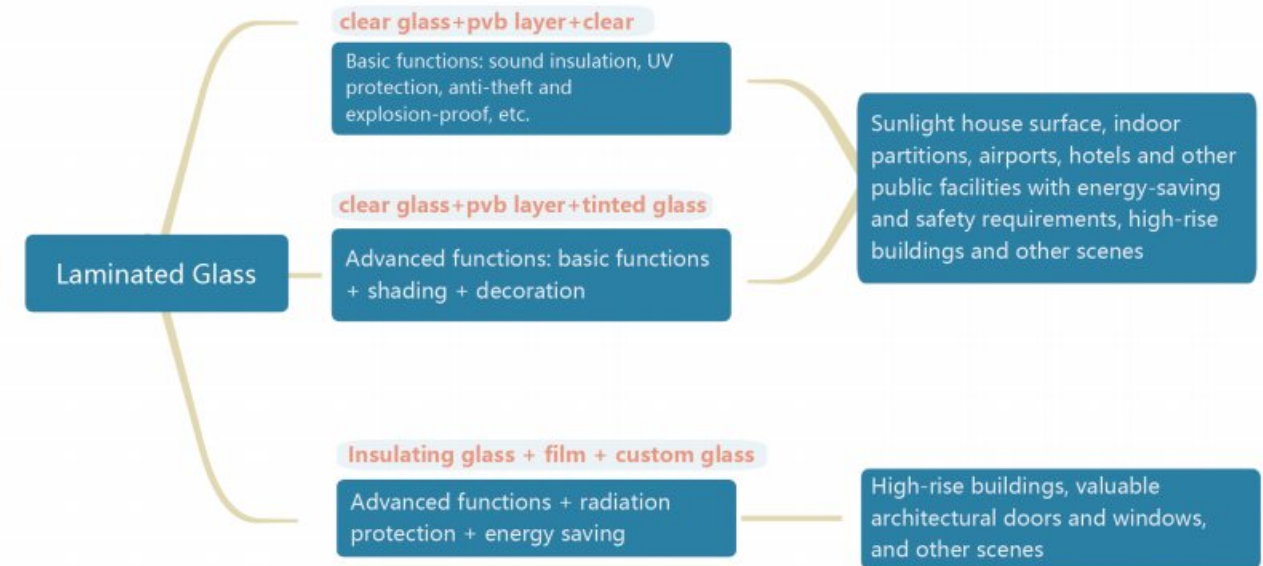
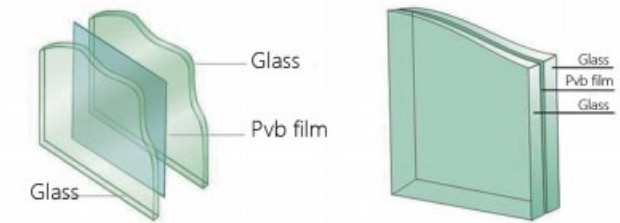
# Laminated Glass

Laminated glass process technology is a kind of combination of two or more pieces of glass with special glue or adhesive film into a safety glass with excellent performance. It has the characteristics of safety, anti-theft and explosion-proof, sound insulation and noise reduction, beautifying and decorating, protecting furniture, etc.

## Technical Parameters

Category	Content
Product Name	Laminated Glass / Bulletproof Glass
Certification	CCC, AS/NZS 2208:1996
Features	Sound insulation, UV protection of luxury furniture, anti-theft and explosion-proof
Single piece thickness	4mm, 5mm, 6mm, 8mm, 10mm, 12mm, 15mm, etc.
Total thickness	8.76mm, 10.76mm, 12.76mm, 16.76mm, 20.76mm, 24.76mm.
	9.14mm, 11.14mm, 13.14mm, 17.14mm, 21.14mm, 25.14mm, 30.14mm
	9.52mm, 11.52mm, 13.52mm, 17.52mm, 21.52mm, 25.52mm, 30.52mm
Packaging method	wooden box package
Shipping Method	shipping by sea
Shipping time	Orders generally take 5-15 days after confirmation depending on the difficulty of processing and production quantities
Payment terms	Negotiation
MOQ	Negotiation

## Laminated Glass Structure and Application Scenarios



\*Some common product parameters are detailed in the attached page

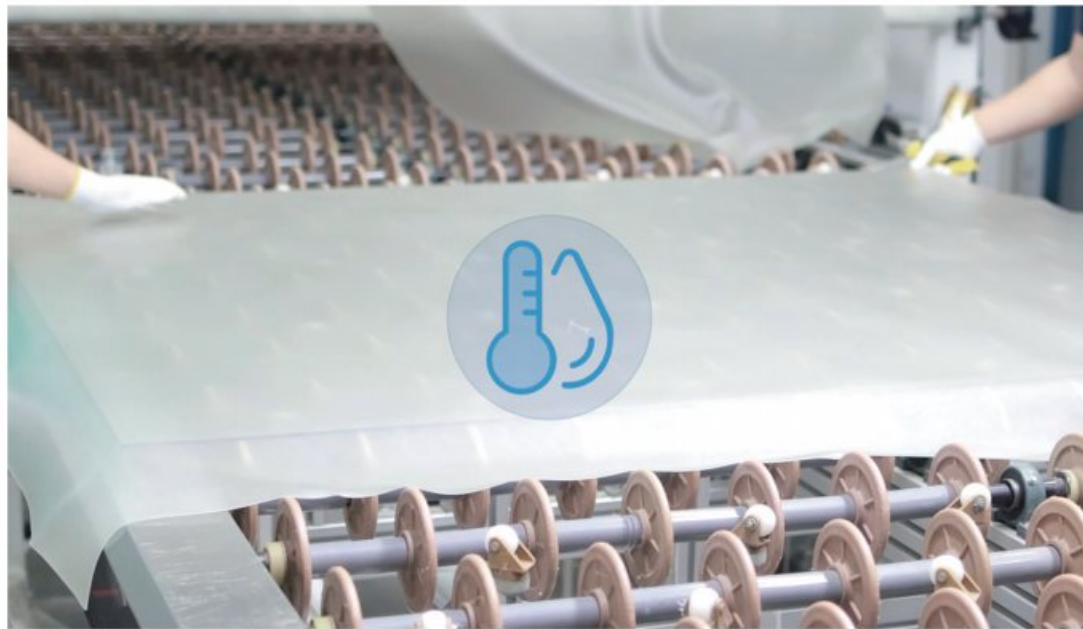


# Laminating Technology And Equipment



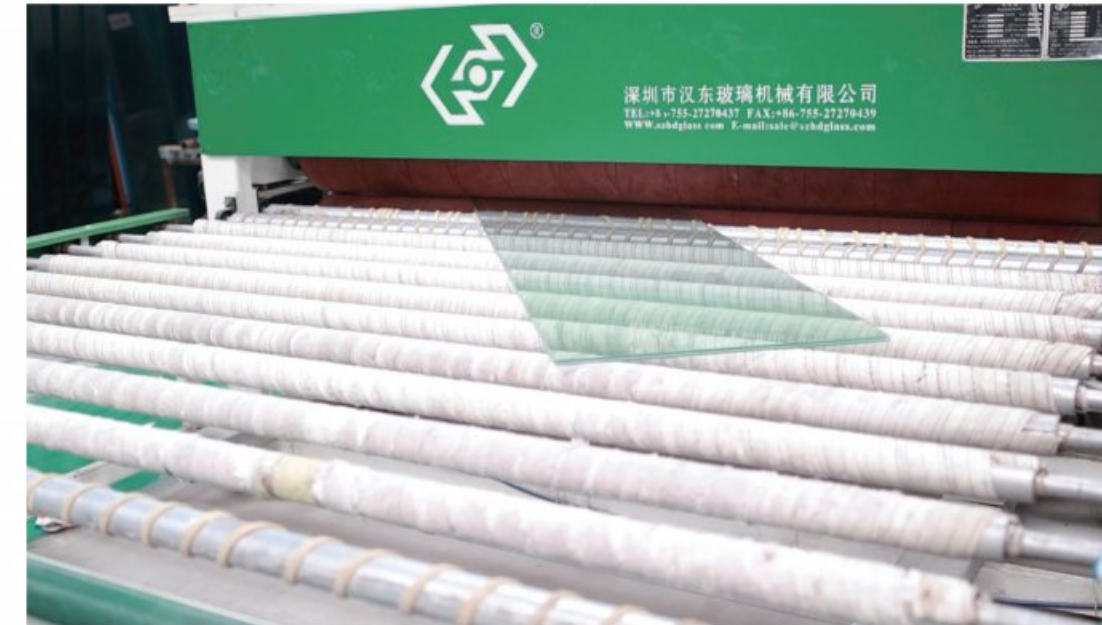
## 1. Dry Laminated

Dry lamination processing method, more stable quality, better performance.



## 2. Combined Room

2. Strictly control the temperature and humidity of the laminating room throughout the process of lamination. Ensure the physical properties of the film, and avoid the glass falling off caused by the lack of tight bonding between the glass and the film, or the production of bubbles, which affects the beauty of the product.



## 3. The First Pressurization

The first pressurization, using the roller pressing method for pre-pressing, improves the fit of the glass, and reduces the formation of bubbles in the film and glass.



## 4. Second Pressurization

The second pressurization, the use of autoclaving method for secondary pressurization, the application of a large uniform pressure (generally takes 7h-8h a furnace), the process completely eliminates bubbles, and finally makes the PVB and glass closely fit. So as to meet the standards of security, anti-theft, protection, bulletproof and other uses



# Pattern Glass



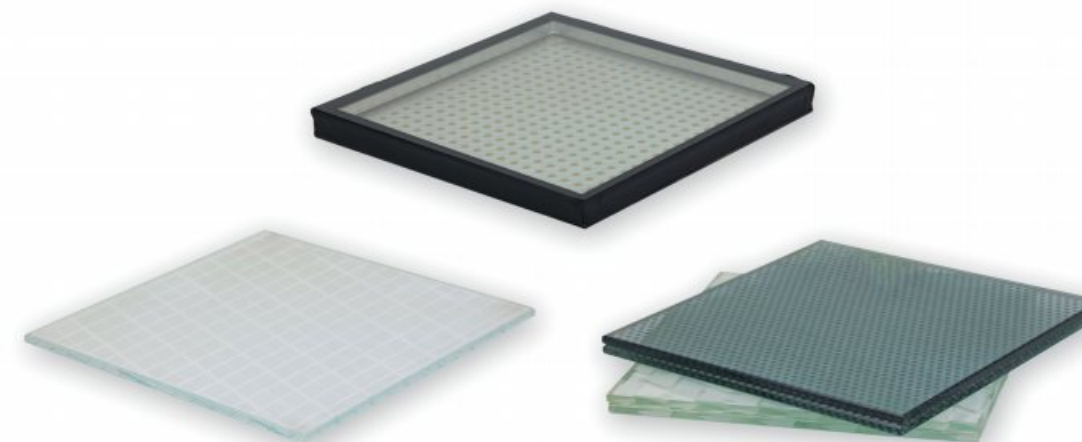
Colored glazed glass generally refers to high-temperature glazed glass, glaze printing needs to be sintered at a temperature of 600-700 ° C on the glass surface, so it has the characteristics of color stability, not easy to fade, and the glaze layer is firm and not easy to fall off.

## Product introduction

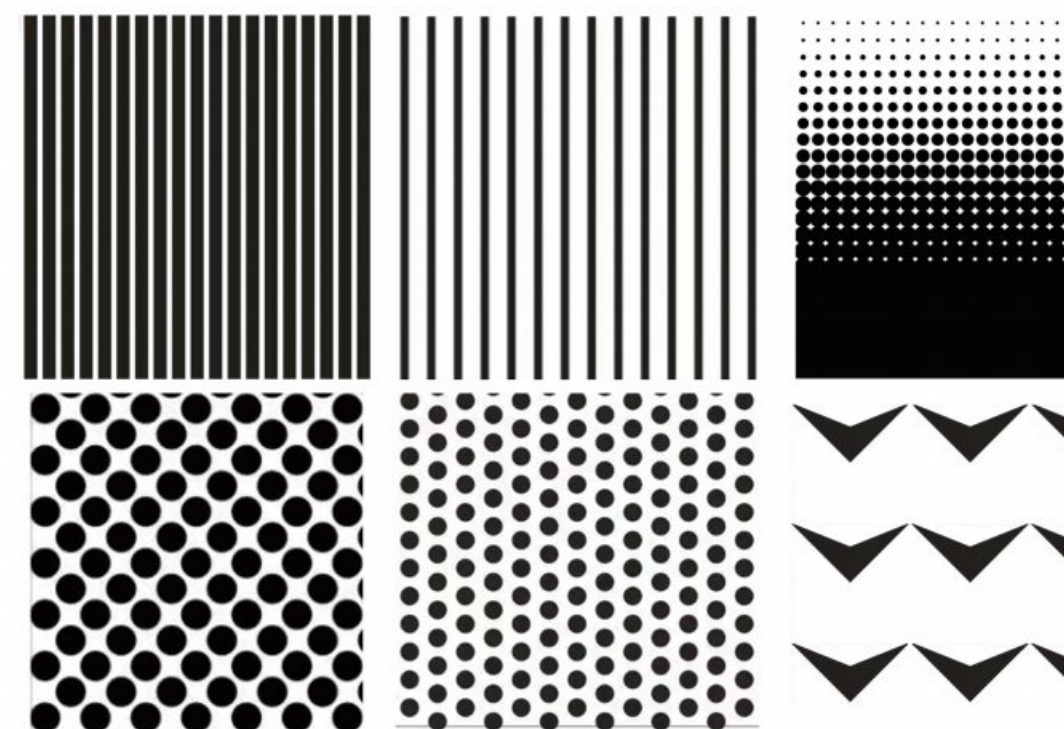
- 1. Colorful, pattern variety (can be customized according to customer requirements), stable color does not fade, decorative effect is outstanding;
  - 2. Absorb and reflect part of the solar heat energy, and the shading effect is obvious;
  - 3. Excellent visual occlusion effect to ensure the privacy of working and living spaces;
  - 4. Increased strength after tempering treatment to improve safety;
  - 5. It can be processed for composite products such as coating, sandwich and hollow to obtain multiple use performance
- parameter: Refer to the processing method used for colored glazed glass
- structure: Refer to the processing method used for colored glazed glass

Note: See the parameter description of the speciC processing process for details

## The Effect of Different Base Material Stained Glaze Glass Show



Part of the optional pattern display (welcome to customize the picture)







LIRIJIANMEI FOREST LAKE  
FOSHAN



TREASURE CITY  
SHENZHEN



GUANGFO WISDOM CITY  
FOSHAN



XIAO PENG CAR  
GUANGZHOU



WANDA PLAZA  
ZHAOQING



INTERNATIONAL  
HEALTH STATION  
GUANGZHOU



Forge ahead  
the pursuit of excellence



FISHERMAN'S WHARF  
GUANGZHOU



NANHAI ART CENTER  
FOSHAN



GUANGZHOU BAIYUN FINANCIAL  
HOLDING GROUP CO. LTDTT  
GUANGZHOU



SUBWAY LINE 21  
GUANGZHOU

## Key Engineering Case

■Liri Jianmei Forest Lake is a joint venture between Liri Group and Jianmei Aluminum group and Nanxiang Group in 2007, located in the Sanshuiyun East China Sea tourism development zone, covering a total area of about 210,000 square meters.

■Bao Neng City is a benchmark project of urban construction products, with a construction area of 830,000 square meters. With excellent product quality and high-end community library concept marketing center "Book hill", Baoeng City has become a milestone project of comprehensive development of humanistic high-quality goods in Shenzhen.

■GuangFo Wisdom City Project is located in the center of Guangfo International Trade City, northeast of the intersection of 321 National Road and Guihe Road, Dali Town, covering an area of about 330,000 square meters, with a total construction area of 1.1 million square meters. It is an innovative complex integrating industry, commerce, new commerce, Internet + and incubation.

■XiaoPeng Guangzhou Intelligent manufacturing Base has five process workshops of stamping, welding, painting, final assembly and Pack, which are used for its new model research and development, vehicle production and sales. And the layout of the national investment and financing headquarters, smart travel and vehicle RESEARCH and development test business.

■Zhaoqing Wanda Plaza project, as the commercial center of Zhaoqing Wanda National Resort, is one of the key investment attraction projects in Zhaoqing City. It is a brand new fourth-generation intelligent large-scale urban complex integrating business, entertainment, tourism and other top business forms.

■Guangzhou International Health Station is the first international health station in China, with a total construction area of about 250,000 square meters and a total of 5,074 rooms, divided into 5 types of rooms, ranging in area from 18 square meters to 39 square meters. In addition, 11 barrier-free rooms are set up to meet the needs of different guests.

■Baiyun Financial Holding Building is a benchmark industry carvriar project of Baiyun Financial Holding Group, a state-owned enterprise in Baiyun District, Guangzhou. It is located in the south of Huangshi East Road and east of Yuncheng West Road, with a total land area of 12,649 square meters and a total construction area of about 64,000 square meters. The commercial tower and podium on the ground are about 43,000 square meters, and the underground building is about 21,000 square meters, with three floors underground and 18 floors above ground, with a height of 80 meters.

■Guangzhou fisherman's Wharf is a wholly owned development project of Wuhusihai Group, upgrading and transforming the original Wuhusihai international aquatic products trading center. The project is located in luoxi Island, the core area of Panyu District, with luoxi Bridge in the east, Luoxi Food Street in the south, Nantian Mingyuan in the west and Guangzhou Tower in the north. It is one of the projects of "old reform" in Guangzhou.

■Nanhai Art Center area is located at the intersection of Qiangeng Lake axis and Foshan Waterway waterfront landscape Corridor. It reaches Guilin Road in the east, Foshan Waterway in the south, Guihe Road in the west and Suiyan West Road in the north, covering an area of about 1046.4 mu, integrating financial services, cultural leisure, high-end commerce and public supporting facilities. It is the core urban area integrating finance, culture, sports and commerce.

■Guangzhou Metro Line 21 is the 14th line of Guangzhou metro, with a total length of 61.6 km, including 14.7 km overground section, 6.8 km mountain tunnel and 40.1 km underground section. It has 21 stations.





# List of Common Parameters

## White Glass and Color Glass Parameters Table:

Float glass performance parameters									
Color	Thickness	Visible light	reflection rate	solar transmittance	ASHRAE			JGJ151	CEN
		Transmittance			Heat transfer coefficient U-value	Heat transfer coefficient U-value	Shading factor SC	Shading factor SC	Heat transfer coefficient (K value)
Clear Float Glass	6mm	89	7	81	5.81	5.24	0.97	0.99	5.73
	8mm	89	7	79	5.74	5.19	0.95	0.98	5.67
	10mm	87	7	75	5.67	5.13	0.92	0.95	5.60
Frech Green Glass	6mm	75	6	46	5.81	5.24	0.69	0.71	5.73
	8mm	70	6	38	5.74	5.19	0.63	0.65	5.67
	10mm	65	5	32	5.67	5.13	0.59	0.60	5.60
Euro Grey Glass	6mm	45	5	43	5.81	5.24	0.69	0.69	5.73
	8mm	35	5	34	5.74	5.19	0.62	0.61	5.67
	10mm	26	4	26	5.67	5.13	0.56	0.55	5.60
Crystal Grey Glass	6mm	64	6	57	5.81	5.24	0.78	0.80	5.73
	8mm	56	6	49	5.74	5.19	0.72	0.73	5.67
	10mm	50	6	42	5.67	5.13	0.68	0.68	5.60

## Common Heat Reflections:

热反射参数表 Reflective Glass					
Ghss Configuration	thickness	Base Plate Color	color of the reflected light	Visible light (%)	JGJ151
				Transmittance	SC_Value
6XSTY0165	6mm	Clear Float Glass	Silver Grey	65	0.8
6XSTY0150	6mm	Clear Float Glass	Grey	50	0.64
6XSTY0140	6mm	Clear Float Glass	Grey	40	0.51
6XSTY0130	6mm	Clear Float Glass	Grey	30	0.43
6XSTB0148	6mm	Clear Float Glass	blue	47	0.59

\*For more information about the membrane system, please contact our sales representative.

## Super White Parameter Table:

超白玻璃参数表 Ultra clear glass Parameter table							
Color	Thickness	Visible light	Reflection Rate	Solar Transmittance	ASHRAE	JGJ151	CEN
		Transmittance			Shading factor SC	Shading factor SC	Heat transfer coefficient (K value)
Ultra Clear Glass	5mm	91.3	8	90	1.04	1.03	5.77
	6mm	91.2	8	89	1.04	1.03	5.74
	8mm	91	8	89	1.03	1.02	5.67
	10mm	90.6	8	88	1.03	1.01	5.61
	12mm	90.3	7	87	1.02	1.00	5.55
	15mm	89.9	7	86	1.01	0.99	5.45

## Common Single Silver Lowe:

SINGLE SILVER LOW-E GLASS THERMAL PARAMETERS TABLE					
Ghss Configuration	Base Plate Color	color of the reflected light	Visible light (%)	JGJ151	
			Transmittance	K-value (W/m2. k)	SC_Value
6XETN0180+12A+6C	clear float glass	colorless	72	1.85	0.67
6XETB0170+12A+6C	clear float glass	blue	64	1.84	0.56
6XETB0160+12A+6C	clear float glass	blue	53	1.84	0.49
6XETS0160+12A+6C	clear float glass	silver grey	53	1.81	0.47
6XETB0150+12A+6C	clear float glass	blue grey	44	1.84	0.42
6XETS0150+12A+6C	clear float glass	silver grey	44	1.77	0.41

\*For more information about the membrane system, please contact our sales representative.