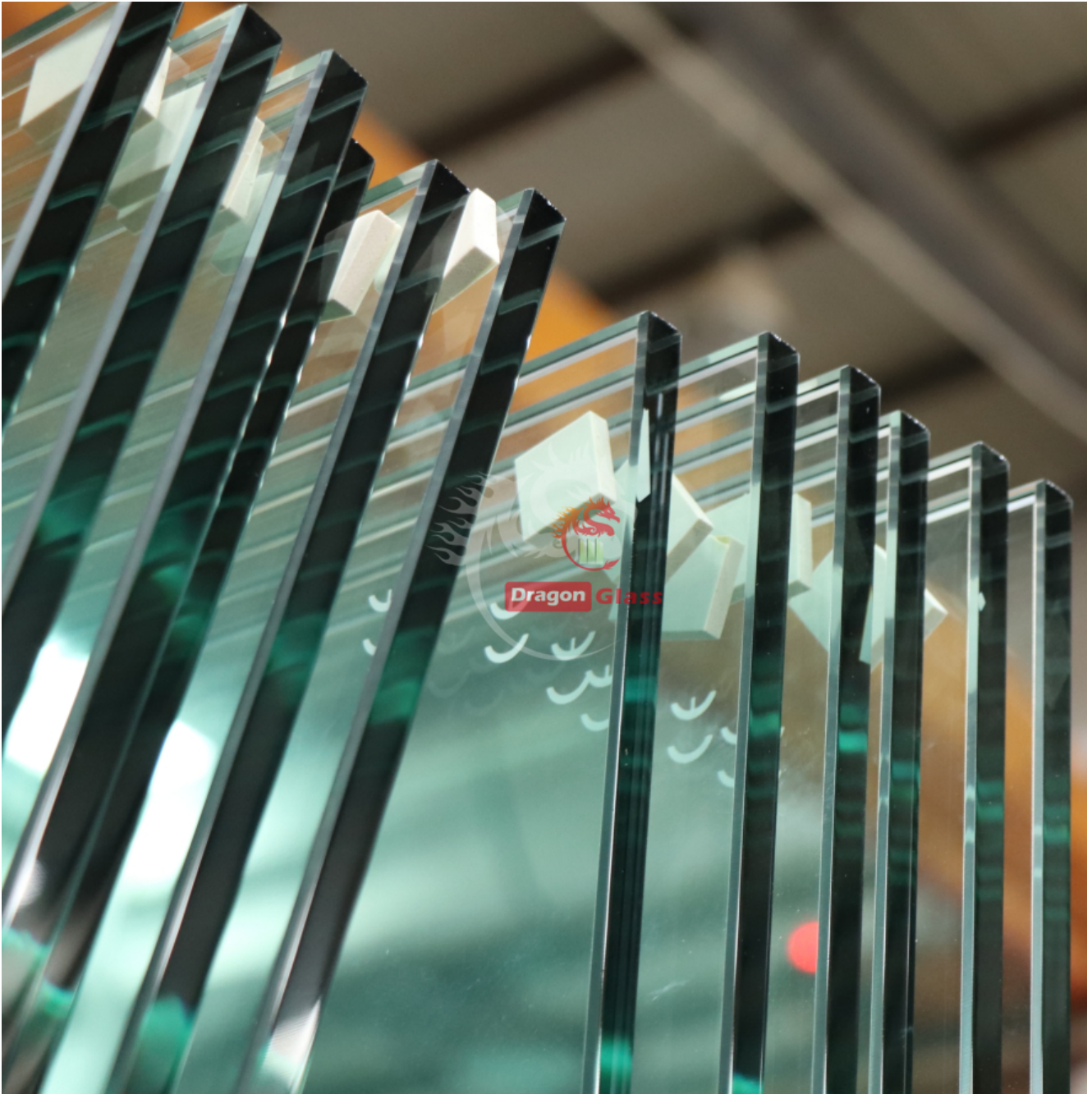


EN12150 High Safety Performance 8mm Clear Toughened Glass Panel for Guillotine Glass System



1-What is the 8mm clear toughened glass panel?



8mm clear toughened glass panel also called 8mm ESG glass, or 8mm hardened glass, which is a type of safety glass that has been processed by controlled thermal treatments to increase its strength compared to normal 8mm annealed glass.

All the 8mm ESG glass meets high standards worldwide, such as EN12150, EN12600, ANSI Z97.1, and CCC in China.

This kind of glass can be used in different areas, such as partitions, doors, windows, and facades, but today we want to

talk more about the guillotine glass system, they are very popular in Europe, and North America areas.

2-What is the guillotine glass system?

The guillotine glass system is a highly practical system that features electric and remote control mechanisms. Also known as a movable handrail, the guillotine glass balcony system expands the usable space through a vertical movement system. It transforms the atmosphere of residential and workplace environments with the modern and aesthetically pleasing image it provides.

An 8mm thick toughened glass panel moves up and down through the guillotine system, thick-toothed belt, and motor system. It is preferred for use in restaurants, cafes, patisseries, dining areas, winter gardens, terraces, hotels, and detached houses.



Different applications for guillotine glass

3-Why Choose 8mm ESG for guillotine glass?

Safety

If broken, it shatters into small, blunt pieces rather than sharp shards, reducing the risk of injury. Therefore, it is particularly suitable for public places with many people, such as offices, hotels, etc., or private places that require safety protection, such as bathrooms, doors and windows, etc.

Strength

It is 4-5 times stronger than standard annealed glass of the same thickness. Therefore, when the tempered glass is impacted, the user inside can be effectively protected.

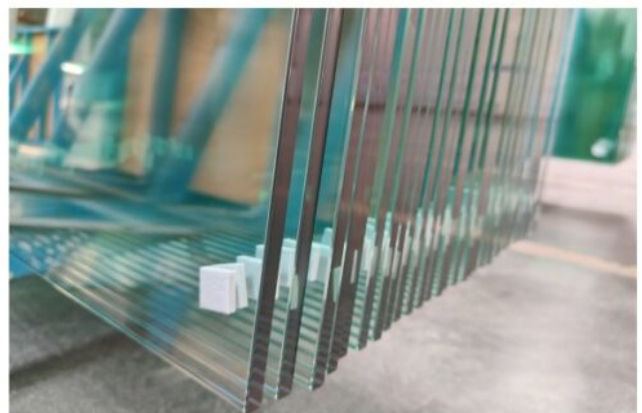
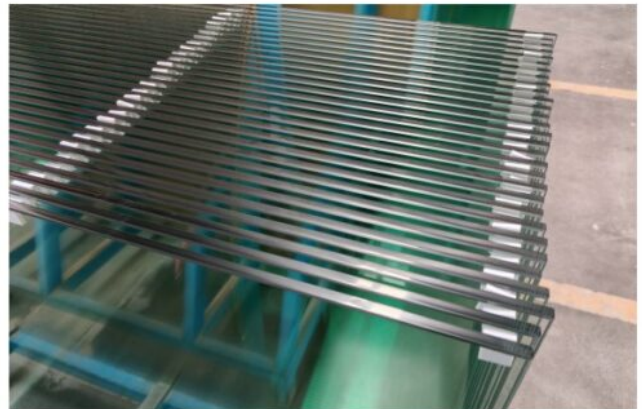
Impact test for toughened glass

Heat Resistance

It can withstand higher temperatures and temperature changes without breaking.

Aesthetics

Its clear appearance allows for unobstructed views and a clean, modern look in both residential and commercial settings.



4- Specification of 8mm hardened glass panel

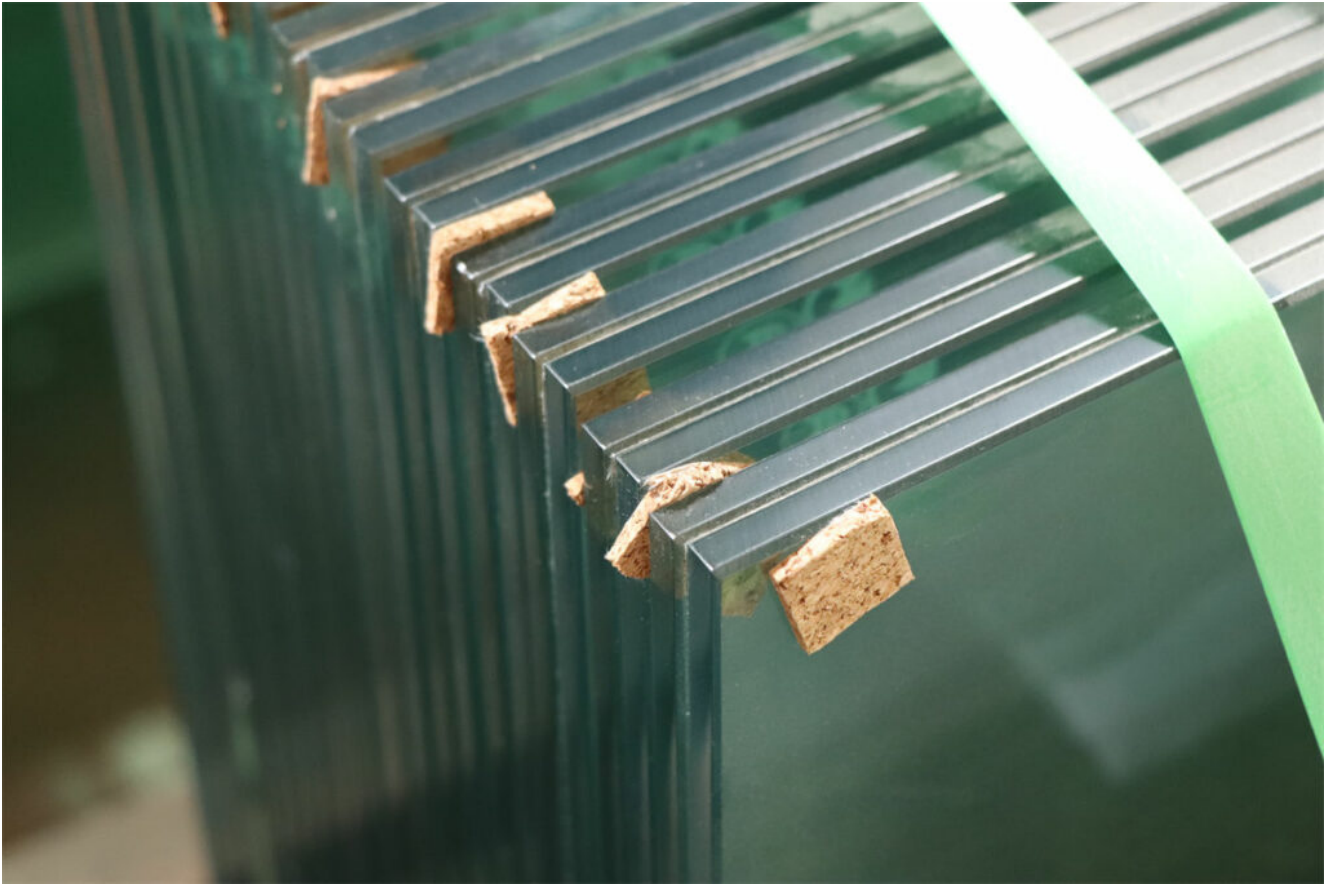
Product name	8mm toughened glass, 8mm hardened glass, 8mm esg glass
Thickness	8mm, 5/16
Size range	8mm toughened glass, 8mm hardened glass, 8mm ESG glass
Color choice	Normal clear, others have ultra clear, green, blue, bronze, grey
Shape choice	Shaped, curved, flat
Customized	Polished edge, drill holes, cutout, cut notches, safety corner, etc.
Delivery time	around 7-15 days
Trade term	EXW, FOB, CIF, DDP, DDU

5- Other options for guillotine glass



Insulated glass (IGU, Double glazed)

- **Thickness:** 4+16A+4mm, 4+20A+4mm, 3+16A+3mm, or others
- **Size:** customized by clients
- **Color:** Transparent, ultra clear, blue, green, bronze, grey
- **Delivery time:** 15 days



Laminated glass, VSG glass

- **Thickness:** 3+3mm, 4+4mm, 5+5mm, or others
- **Size:** customized by clients
- **Color:** Transparent, ultra clear, blue, green, bronze, grey, or PVB color
- **Delivery time:** 15-20 days

**6-Quality control for 5/16
toughened glass**

Nowadays, 8mm transparent toughened glass is widely used in construction, and controlling the quality of glass railings is very important. The toughened glass produced by [Dragon Glass](#) meets the following standards:

- Subject to **BS standard**
- Subject to **SGCC-ANSI Z97.1 standard**
- Subject to **CE- EN12150, EN12600 standard**
- Subject to the **ISO 9001 standard**
- Subject to the **AS/NZS 2208:1996 standard**

الشهادة * 證書 * Certificat * 證憑書 * Certificate



Certificate NO.: LBTC2104201395

Declaration of Conformity

The following product has been assessed by us with the listing standards and found in conformity with the EC Council Regulation of (EU) No 305/2011. It is possible to use **CE** marking to demonstrate the compliance with this CPR Regulation.

Report No. : LBTR2104201395
Applicant : Shenzhen Dragon Glass Co., Ltd
Address : C108, Yunhai enterprise headquarters base, No. 42 Caiyun Road, Jixiang community, Longcheng street, Longgang District, Shenzhen City, China
Manufacturer : Shenzhen Dragon Glass Co., Ltd
Address : Yunhai enterprise headquarters base, No. 42 Caiyun Road, Jixiang community, Longcheng street, Longgang District, Shenzhen City, China
Product Name : Tempered glass
Trade Name : N/A
Model No. : 4mm, 5mm, 6mm, 8mm, 10mm, 12mm, 15mm, 19mm.
EC Directives : CPR Regulation (EU) No 305/2011
Test Standards : EN 12150-2:2015
EN 12150-2:2004

The referred test report(s) show that the product complies with the essential requirements in the above listed standards. The applicant is authorized to use this certificate in connection with the EC declaration of CPR conformity according to the Regulation.
 The CE marking as shown below can be affixed on the equipment after the preparation of the necessary technical documentation as well as the conformity declaration by the manufacturer. Whereas the Manufacturer is responsible for the certification of the product(s) and not exempted from performing all the necessary activities before placing the product(s) on the market. The Manufacturer is also responsible for the internal production control to ensure the product(s) are in compliance with the essential requirements of the above mentioned Regulation(s).



Chief Manager

 Date of Issue: Apr 25, 2021

This statement is based on a single evaluation of the sample(s) of above mentioned product. It does not imply an assessment of the whole production.
 LABTEST TECHNOLOGY LABORATORY LTD
 Minhua Pukyo Bio Park, Jinxu Road, Pingshan, Shenzhen, CHINA. <http://www.labtest.com>



Certificate NO.: LBTC2104201405

Declaration of Conformity

The following product has been assessed by us with the listing standards and found in conformity with the EC Council Regulation of (EU) No 305/2011. It is possible to use **CE** marking to demonstrate the compliance with this CPR Regulation.

Report No. : LBTR2104201405
Applicant : Shenzhen Dragon Glass Co., Ltd
Address : C108, Yunhai enterprise headquarters base, No. 42 Caiyun Road, Jixiang community, Longcheng street, Longgang District, Shenzhen City, China
Manufacturer : Shenzhen Dragon Glass Co., Ltd
Address : Yunhai enterprise headquarters base, No. 42 Caiyun Road, Jixiang community, Longcheng street, Longgang District, Shenzhen City, China
Product Name : Laminated (Safety) Glass
Trade Name : N/A
Model No. : 3mm+0.76PVB+3mm, 4mm+0.76PVB+4mm, 6mm+1.52PVB+6mm, 8mm+1.52PVB+8mm, 10mm+1.52PVB+10mm, 12mm+1.52PVB+12mm, 15mm+1.90PVB+15mm, 19mm+3.04PVB+19mm.
EC Directives : CPR Regulation (EU) No 305/2011
Test Standards : EN ISO 12543-3:2011
EN ISO 12543-3:2011

The referred test report(s) show that the product complies with the essential requirements in the above listed standards. The applicant is authorized to use this certificate in connection with the EC declaration of CPR conformity according to the Regulation.
 The CE marking as shown below can be affixed on the equipment after the preparation of the necessary technical documentation as well as the conformity declaration by the manufacturer. Whereas the Manufacturer is responsible for the certification of the product(s) and not exempted from performing all the necessary activities before placing the product(s) on the market. The Manufacturer is also responsible for the internal production control to ensure the product(s) are in compliance with the essential requirements of the above mentioned Regulation(s).



Chief Manager

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safety glazing certification council

Administrative Office, AMS, Inc.
 205 West Main Street, PO Box 730
 Sackett Harbor, NY 13655
 Phone: (315)646-2234
 E-mail: staff@amsccf.com

ACKNOWLEDGEMENT OF CERTIFICATION

THIS IS TO ACKNOWLEDGE THAT AS OF THIS DATE
Shenzhen Dragon Glass Co., Limited
 Shenzhen, Guangdong

IS A CURRENT LICENSEE AND HAS MET ALL GUIDELINES AND REQUIREMENTS FOR THE SGCC® CERTIFICATION PROGRAM AND AS SUCH IS ELIGIBLE TO LABEL THE BELOW INDICATED PRODUCT(S) AS SGCC® CERTIFIED. REPRESENTATION SAMPLES OF THE BELOW PRODUCTS HAVE BEEN FOUND TO BE IN COMPLIANCE WITH ANSI Z97.1-2009 OR 2015 AS INDICATED, CPSC 16 CFR 1201 STANDARDS, OR BOTH STANDARDS, KNOWN AS COMPOSITE CERTIFICATION (COMP), OR BOTH STANDARDS WITH CAN/CGSB 12.1 KNOWN AS COMP+CAN.

SGCC#IN	MM	Attributes	INT	Type Code	Max Size	ANSI Class	Test Std	Year	
4303	5/32	4		TTG	U	A	COMP+CAN	2009	
4304	3/16	5		TTG	U	A	COMP+CAN	2009	
4305	1/4	6		TTG	U	A	COMP+CAN	2009	
4306	5/16	8		TTG	U	A	COMP+CAN	2009	
4307	3/8	10		TTG	U	A	COMP+CAN	2009	
4308	1/2	12		TTG	U	A	COMP+CAN	2009	
4309	*	15 (3)		TTG	U	A	COMP+CAN	2009	
4310	3/4	19		TTG	U	A	COMP+CAN	2009	
4312	(H)	8-16+	(H)(A)	(030)	LTG	U	A	COMP+CAN	2009
4575	(H)	10-16+	(H)(A)	(060)	LTG	U	A	COMP+CAN	2009
5052	1/4	6		TBG	U	A	COMP+CAN	2009	
5053	5/16	8		TBG	U	A	COMP+CAN	2009	
5054	3/8	10		TBG	U	A	COMP+CAN	2009	
5055	1/2	12		TBG	U	A	COMP+CAN	2009	

THIS SGCC® PROGRAM CERTIFICATION IS CURRENT AND IN FULL EFFECT AS OF THIS ISSUE DATE. CERTIFICATION IN THE SGCC® PROGRAM IS SUBJECT TO SEMI-ANNUAL RENEWAL. PLEASE CHECK THE SGCC WEBSITE AT WWW.SGCC.ORG OR THIS OFFICE FOR MOST CURRENT INFORMATION.

This date: July 14, 2019
 DATE OF ISSUE
 1.15
 CERTIFICATION PERIOD

 ADMINISTRATIVE MANAGER

NS-03 Last Revised By: KJ-6111 Last Approved By: KJ-6111

SCHEDULE TO STANDARDSMARK LICENCE

SAI Global hereby grants

ShenZhen Dragon Glass Co., Ltd.

Yunhai enterprise headquarters base, No. 42 Caiyun Road, Jixiang community, Longcheng street, Longgang District, Shenzhen, Guangdong, China, 518172

StandardsMark Licence

Manufactured by AS/NZS 2208:1996 - Safety glazing materials in buildings

Model identification of the goods on which the STANDARDSMARK may be used:

Description	Type of Safety Glass	Glass Thickness Range (mm)	Colour	Grade	Fumace / Laminating Line	Maximum Loading / Laminated Size	Interlayer / Organic Film Manufacture	Interlayer / Organic Film Thickness	Date Endorsed
Fish-Plan	Heat Strengthened Laminated	10 - 24	Clear	A	Laminating Line 1	2440mm x 8000mm	Kingshead Trefoil	Clear PVB 1.52mm	8 Dec 2023
Fish-Plan	Laminated	8 - 18	Clear	A	Laminating Line 1	2440mm x 8000mm	Kingshead Trefoil	Clear PVB 1.52mm	8 Dec 2023
Fish-Plan	Toughened	5 - 19	Clear	A	Fumace 1	2440mm x 8000mm		Clear PVB 1.52mm	8 Dec 2023
Fish-Plan	Toughened Laminated	10 - 30	Clear	A	Laminating Line 1	2440mm x 8000mm	Kingshead Trefoil	Clear PVB 2.28mm	8 Dec 2023

End of Record

Certificate No: SMN41413 Issued Date: 14 December 2023

* For details of manufacture, refer to the licensee
 The SAI STANDARDSMARK is a registered certification trademark of SAI Global Pty Limited (A.C.N. 109 044 942) and is issued under license by SAI Global Certification Services Pty Limited (A.C.N. 128 716 671) (SAI Global) Level 7 Suite 1.05, 41 Casson Street, Sydney NSW 2000 Australia. This certificate remains the property of SAI Global and must be returned to SAI Global upon request. Refer to www.sai-global.com for the list of product models.



7-Processing details for transparent toughened glass

Cutting line

[Dragon Glass group](#) has over 7 cutting lines, including Bottero, Lisec auto cutting line, CNC cutting line, and so on, according to the customer's CAD drawing, our professional team will try our best to help you with your railing glass sizes and shapes.



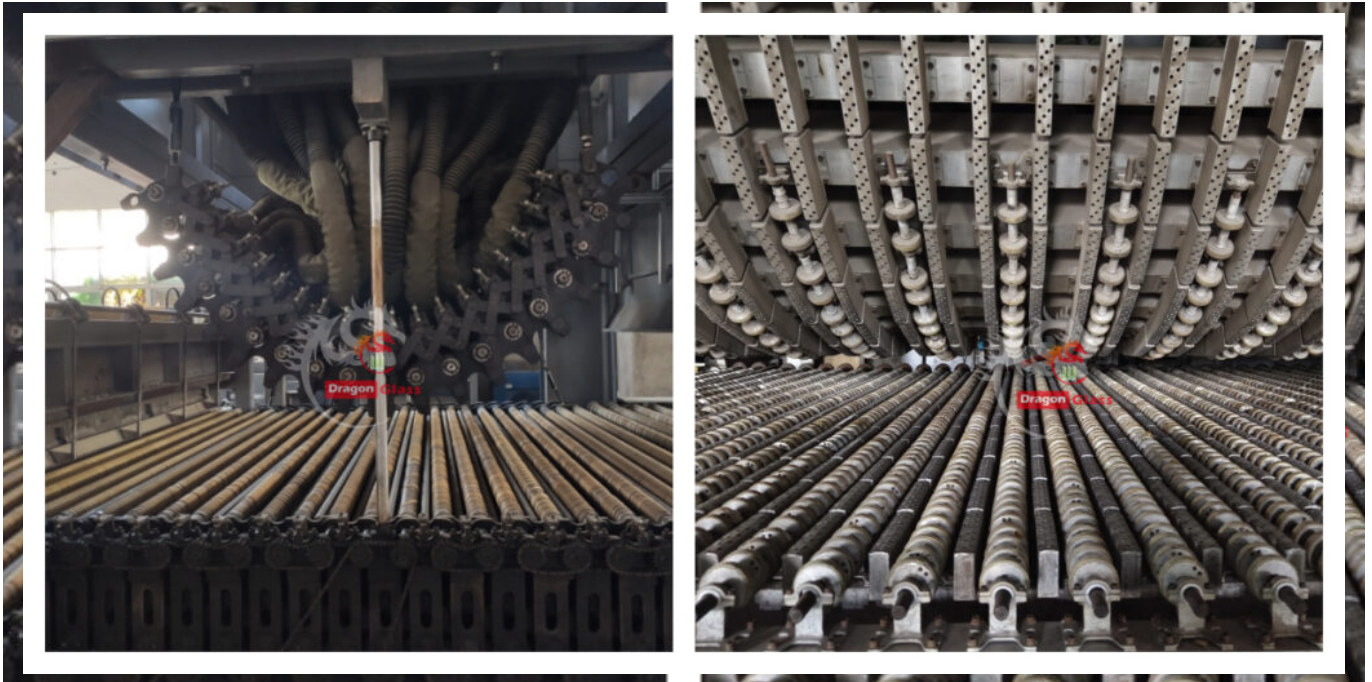
Edging line

Support over 12 types of edge polishing items, including Flat polished, beveling, and round edge, no matter whether building glass, or [furniture glass](#) edges or if you have other glass requirements, kindly [contact our team](#).



Tempering & bending processing line

Besides flat toughened glass, we also can curve the glass panel, to ensure safety and durability, you will get very nice quality [curved toughened glass](#).



8-Packing and delivery

Strict inspection for 8mm ESG glass before delivery,

In every step of the production process, a light needs to be shined on the glass to ensure that there are no scratches, bumps, or watermarks.



Strict inspection



Safety packing before loading

Besides the 8mm toughened glass widely used for guillotine glass, this kind of glass with 10mm toughened glass widely used glass pergola, if you are interested in pergola glass, [click here](#) to get more information.

Please don't miss this opportunity to place your order, we can deliver it very soon to your hand. [Contact us now!](#)