

Shandong Glass TechIndustrial Co Ltd

Professional Horticulture Glass Supplier



SGT

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Company Introduction



Company Introduction

Full Name: Shandong Glass Tech Industrial Co., Ltd

Founded: Dec. 2015 Years

Company Type: Professional Glass Manufacturer & Sales company

Plant Location: Qingdao, Tai'an, Gaomi

Tai'an Processing







Qingdao Exporting

Gaomi Greenhouse glass





Shandong Glass Tech's Advantage:

- As the pioneer of low iron greenhouse glass manufacturer in China.
- Long years low iron greenhouse glass manufacturing & export experience.
- Various Serious and big processing capacity :80000m2 tempered/month
- Glass type: Flat or Patterned glass Clear or low iron
- Processing: Cutting, Edge treated, Toughened, White Ceramic glass
- Packing: End Cap



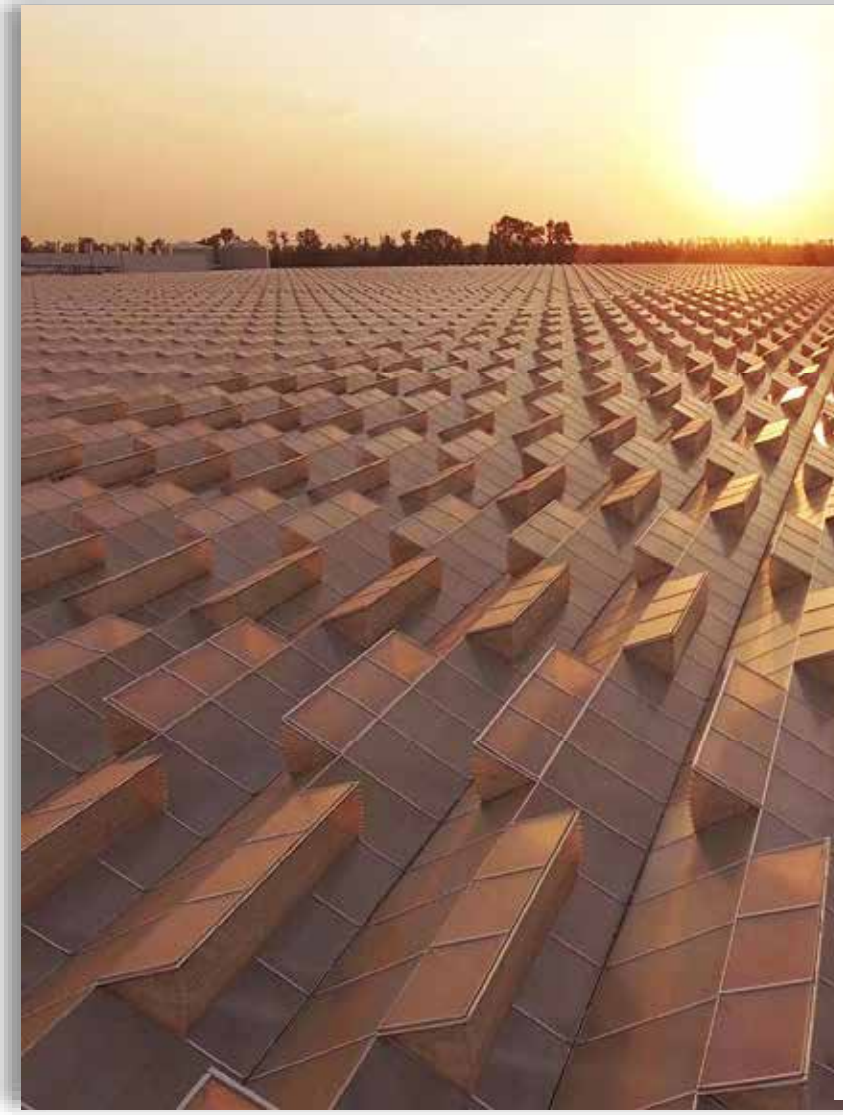
PART

02

Products Introduction



Company Introduction



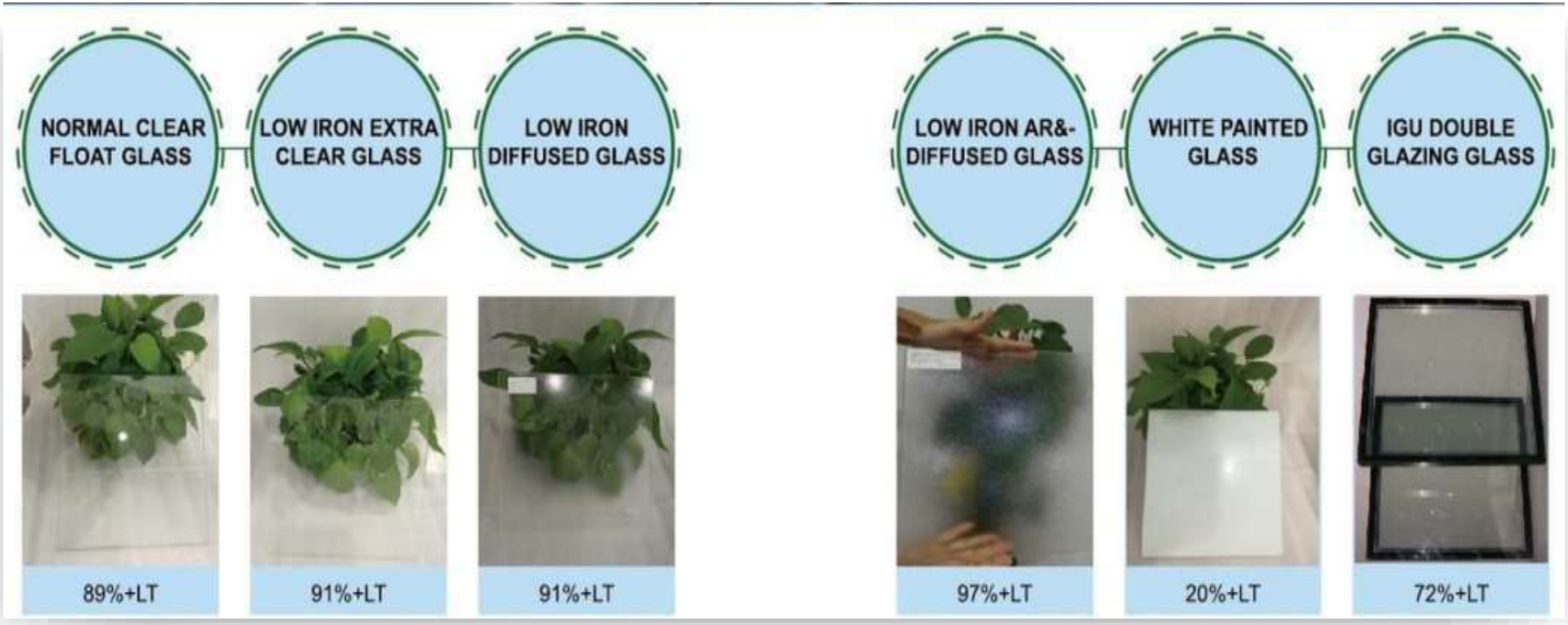
Main Product:
Greenhouse Glass

1. Normal clear or low iron tempered glass
2. Normal clear / low iron patterned /diffused glass
3. Low iron diffusing 2 side AR coating glass.
10/20/30/50/70/80 haze
4. Normal clear /low iron float 1 or 2 side AR coating glass.
5. White painted glass
6. IGU double glazing glass
7. Laminated Glass with SGP or Normal PVB

New Product :

Semi-low iron flat /diffused +1AR or 2AR glass
Low E 1 AR or 2 AR glass
Low E plus+ low iron 2 AR 92%

SGT Greenhouse Glass



Products Introduction-Float Glass

Tempered Float glass

Float glass is a basic type of greenhouse glass.

It can be divided into two types:

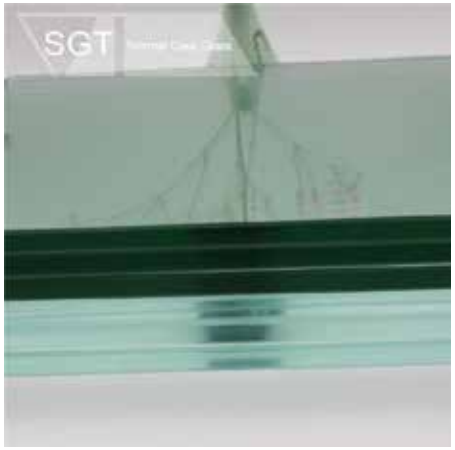
1. Normal clear glass

with light transmittance 89%.

2. Ultra-clear low iron glass

with light transmittance 91%+. This glass contains a low percentage of iron, which increases light transmittance by 2%.







Spec Glass Type	Light transmittance	Thickness	Size
Light 89	89%	4mm/5mm	Can be customized
Light 91	91%	4mm/5mm	

Products Introduction-Diffuse

Tempered Diffuse Glass

Diffuse glass also named Patterned glass. It can be rolled with different patterns in the first raw glass sheet process.

After tempered, diffused glass can used for roof glass of greenhouse project.





There are 2 types for diffused glass:

Normal clear diffuse glass with light transmittance 89%-90% Low iron diffused tempered glass with light transmittance 91.5+,
Pattern Type: NASHIJI /Prismatic /matt



Spec Glass Type	4mm normal clear Prismatic	4mm normal clear NASHIJI	4mm Low Iron Presmatic	4mm Low Iron Presmatic
Light transmittance	89%+	90%+	91.5%	92%
HAZE	60	70	60	70

Products Introduction-AR coating

Tempered Diffuse Glass with 1 /2 sides AR coating

Diffuse glass with AR coating also named Anti-reflective coating glass .

This coating reduces the light reflection and increases the hemispherical light transmission.
LT can be increased from 91.5%+ to 96.5%+.

Rolling Coating on glass surface, then tempered in the furnance. Solution contents SIO2 ,can be solid with glass together.





Spec Glass Pattern	Light transmittance			Thickness	Haze
	With 1side AR coating	With 2 side AR coating	Without AR		
Na shiji - Matt 香梨散射	94.5	96.50%	91.50%	4mm/	50、70
Matt-Matt 绒面	94.5	97.50%	91.50%	3.2mm/4mm	20/30
Prismatic-Matt 布纹散射	94.5	97.50%	91.50%	3.2mm/4mm	70
Normal Clear float 白玻浮法	91.5	94.5%+	89.90%	4mm	0
low iron float超白浮法	95	97.5%+	91.5%+	4mm	0

Products Introduction-AR coating

SGT Transmittance	normal clear 白玻	low iron flat glass 超白浮法	low iron diffused glass 超白散射
Perpendicular NO AR直射透光率不镀膜	89%	91.50%	91.00%
Perpendicular 1 side AR	91.50%	94.50%	94.00%
Perpendicular 2 side AR	94%	98%	97%
Hemispherical NO AR半球	/	84%	83.50%
Hemispherical 1 side AR单面镀	/	86.50%	86.20%
Hemispherical 2 side AR 双面镀	/	89.50%	88.20%
Mechanical Strength 机械强度	＞90N/mm2		
Local Bow 弓形	≤2‰(Max 0.5mm over a distance of 300mm)		
Overall Bow 波形	≤3‰(Max 3mm over a distance of 1000mm)		
Transmittance Tolerance 透光率公差	±0.5% for perpendicular and ±1.0% for hemispherical		
Width/Length Tolerance	0mm to 1mm		
Diagonal Tolerance 对角线公差	±2mm		
Thickness Tolerance 厚度公差	±0.2mm		

Products Introduction-AR coating

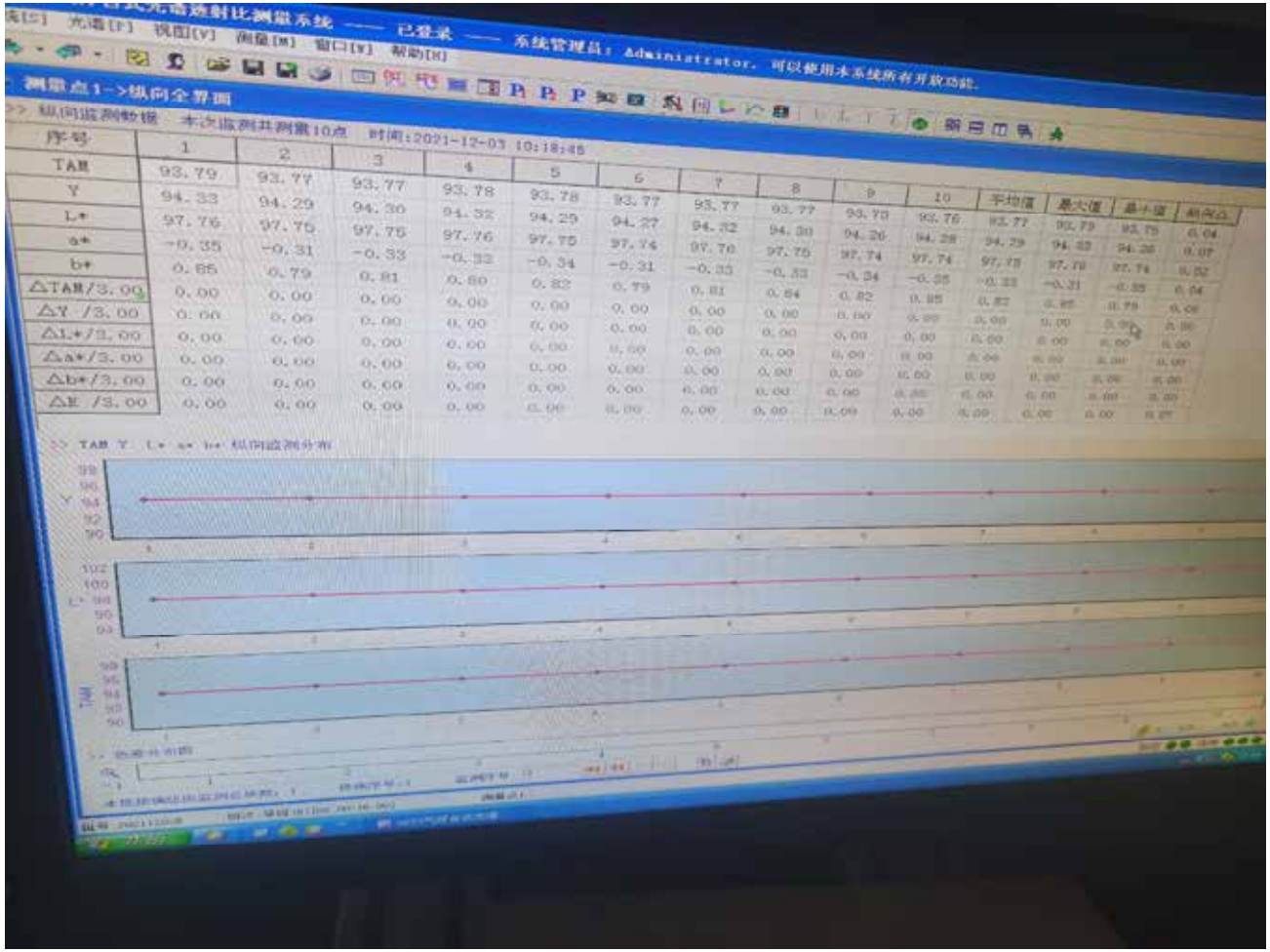






Products Introduction-AR coating

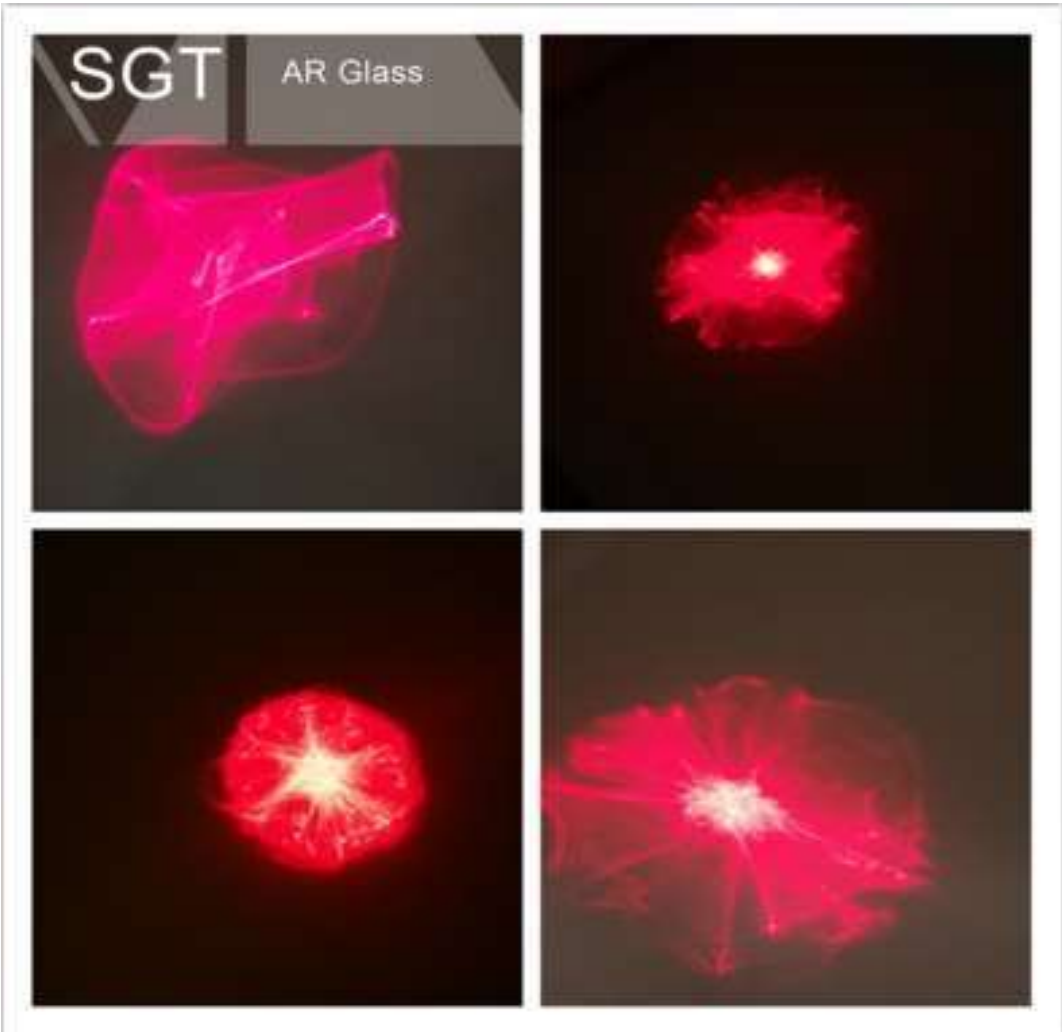
Ultra-clear Scattering Single-sided Anti-reflection 93.5%±0.5%



Products Introduction-AR coating

Haze determines the diffusion of sunlight.
High diffusion leads to no shadow , lower radiation intensity of sunlight and larger yield.

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Products Introduction-White Coated

White coated glass

White coated glass also named Opal-white glass.

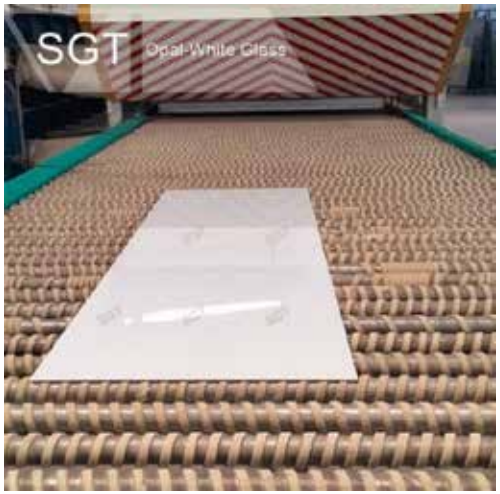
It is very Popular for greenhouse project like indoor workspace as fruit and vegetable packaging, manual technical control systems. (Note that printed side facing inside!) Blocking the sun, enjoying the cool shade. Increasing worker comfort, and promoting efficiency.
It was processing by a silk screen printing process,. Cutting to customs demand size , then printing ceramic ink on the glass surface, after tempered, glass integrated enamelled, which is durable with no fade.
Thickness:4mm tempered for roof also 5mm with holes for side wall.







Products Introduction-White painted









Products Introduction-IGU Double Glazing

Greenhouse glass IGU Double Glazing

IGU also known as double glazing are double or triple glass windows panes separated by an air or other gas filled space to reduce heat transfer across a part of building envelope.

It was used for side wall glass.





SGT Advantage:

- High light transmission and desirable solar gain
- Good thermal performance
- Heat Insulating Properties
- Acoustic Insulating Properties

Products Introduction-SGP or PVB laminated glass

Greenhouse glass IGU Double Glazing

Greenhouse project in some special area which have bad weather or research center we have supply some project with laminated glass , SGP-N- UV film or normal PVB .

It was used for Roof glass.





SGT Processing standard

1. Wood: Plywood in accordance with ISPM 15 Dunnage to secure crates in container also in accordance with ISPM 15 (ISPM 15 does not apply for cross-border traffic within the European Union)
2. Type: Glass packed in endcaps as photos showing to you.
3. Interlayer : Powder
4. Markering : In case of differented glass types, for example tempered and non tempered, the cases has to be clearly marked, so this can be recognized from a distance.
5. Quatity of sheets: maximum weight limited
6. Weight: maximum 1200 kg per endcap or as customer request
7. Type: 20' box container
8. Loading: Crates to be secured for road and Ocean transport for use

TECHNICAL SPECIFICATION

1. Norm: Production float glass conform NEN 2674 and NEN 2675 and ISSO 88
2. Tolerances Length and width: +/- 1 mm
3. Thickness: +/- 0.2 mm
4. Diagonal +/- 2 mm
5. Flatness +/- 0.2 mm
6. Perpendicular Light transmittance (LT) +/- 0.5%
7. Hemispherical Light Transmittance (HT) +/- 2%
8. Haze factor +/- 5%
9. Edge Processing: As tech data request from customer

Products Introduction-Processing Equipment

SGT Processing Equipment

SGT has adopted most advanced glass manufacturing&processing equipments:

1. Top quality tempered lines: 5 tempered lines
2. Lisec&Bottoero cutting lines
3. Auto bilateral linear high-precision edging machines
4. Single linear edging machines
5. Water jet cutting machines, TAM furnace







Products Introduction-Processing Equipment



Bottero polished equipment



Bottero cutting equipment