

# Gelivable<sup>®</sup>

Master Core Technology Of AG Cover Glass

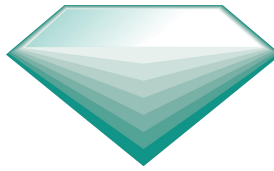
2021

## Company Introduction

Gelivable Glass (ShenZhen) Co.,Ltd  
Gelivable (DongGuan) Co.,Ltd

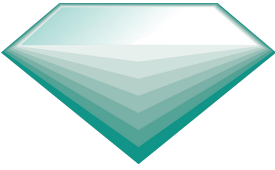
# Company Introduction

# Company Profile



Company Name	Gelivable Glass (ShenZhen) Co.,Ltd Gelivable (DongGuan) Co.,Ltd
Establishment Date	24th-Nov.-2015
Main Business	1~32 inch touch screen glass cover for industrial control, medical treatment, finance, smart home, etc.
Address	First Floor N0.46 Hongfeng Rd.Changan Town Dongguan city China
Website	<a href="http://www.gelivableglass.com">http://www.gelivableglass.com</a>





# Company Introduction

## Headquarter in Songshan Lake



# Company Profile

## Shenzhen Office



## Factory In Changan Town, Dongguan

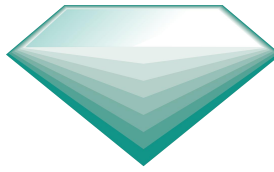


## Japan Branch



Master Core Technology Of AG Cover Glass

# Brand Introduction



## Positioning

- Touch screen cover glass solution provider
- ✓ Industrial Electronics
- ✓ Industrial Device
- ✓ Traffic display
- ✓ Smart home device
- ✓ Commercial financial display



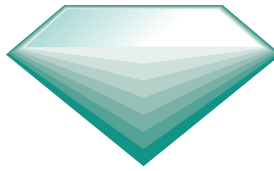
## Core Advantages

- 100% strictly selected, using high-quality Original AG glass, Seiko manufacturing for cover glass
- Stable cooperation partner of Fortune Global 500
- Multi-varieties and small batch order are available



## Brand Culture

- **Slogan:** Master Core Technology of AG Cover Glass
- **Mission:** to reduce the reflective screen to zero.
- **Vision:** to being the world-leading solutions provider of gorilla glass and anti-glare glass.



## HISTORY

**Apr. 2005:**

Kanou Precision (Shenzhen) Co., Ltd (parent company) was founded

2004

2005

2008

**Oct. 2008:**

Entered the tempered AG glass industry and became the qualified supplier of Oki.

**Oct. 2011:**

Optoelectronics Division was formally established

2011

**Nov. 2015:**

Optoelectronics Division was registered corporate enterprise **Gelivable Glass (Shen Zhen) Co., Ltd** focusing on the Custom Gorilla and Anti-Glare Glass.

2015

**Sep. 2017:**

Signed strategic cooperation with EuropTec.

2017

**Feb. 2018 :**

Developed UV-Resistance Ink Passing 1000hrs Test

**Mar. 2018 :**

Developed cover glass with groove for medical customers

2018

**Aug. 2020:**

Upgraded UV-Resistance Ink Passing 1300hrs Test

**Mar. 2020:**

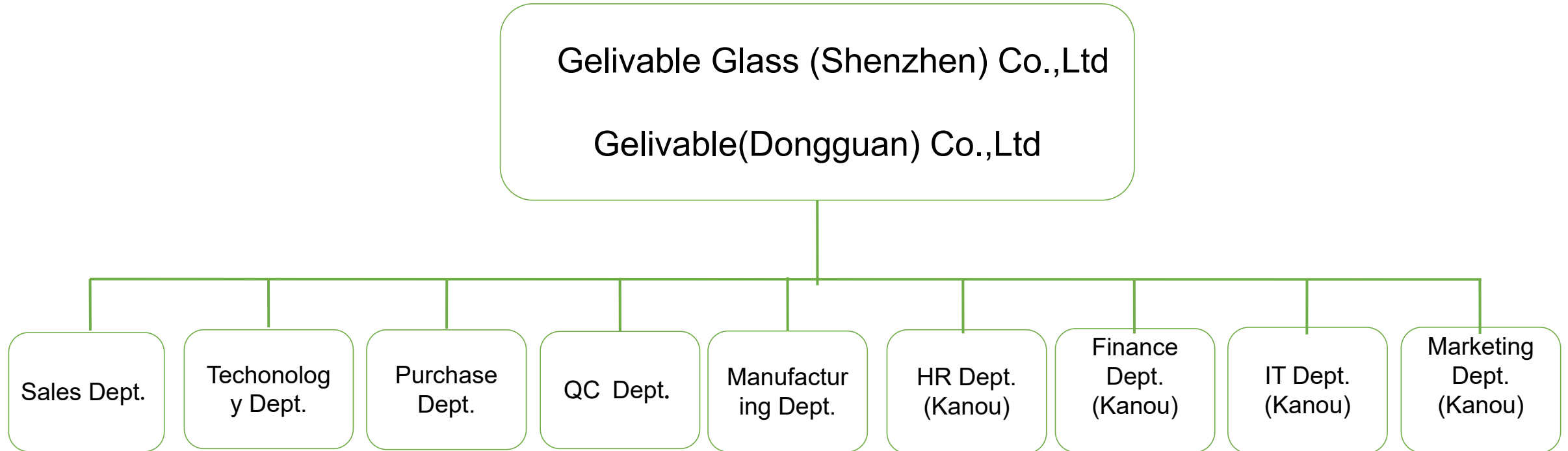
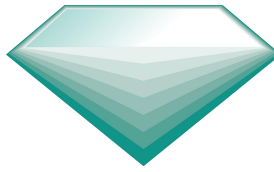
Gelivable(Dongguan) Co.,Ltd was founded

2020

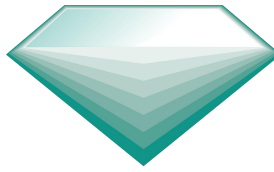
2021

# Company Introduction

# Company Organization







Course of Action: Creating benefits for customers

## Internal Proposal Mechanism



Best idea  
award



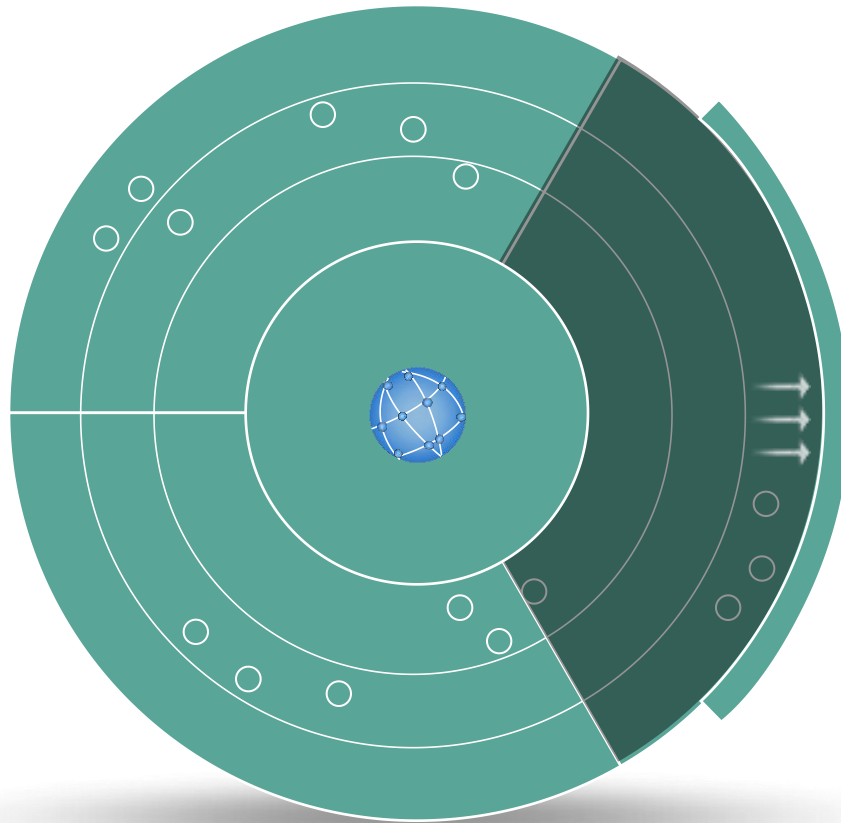
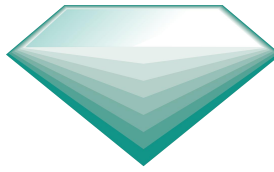
Most wise  
award



Potential  
award

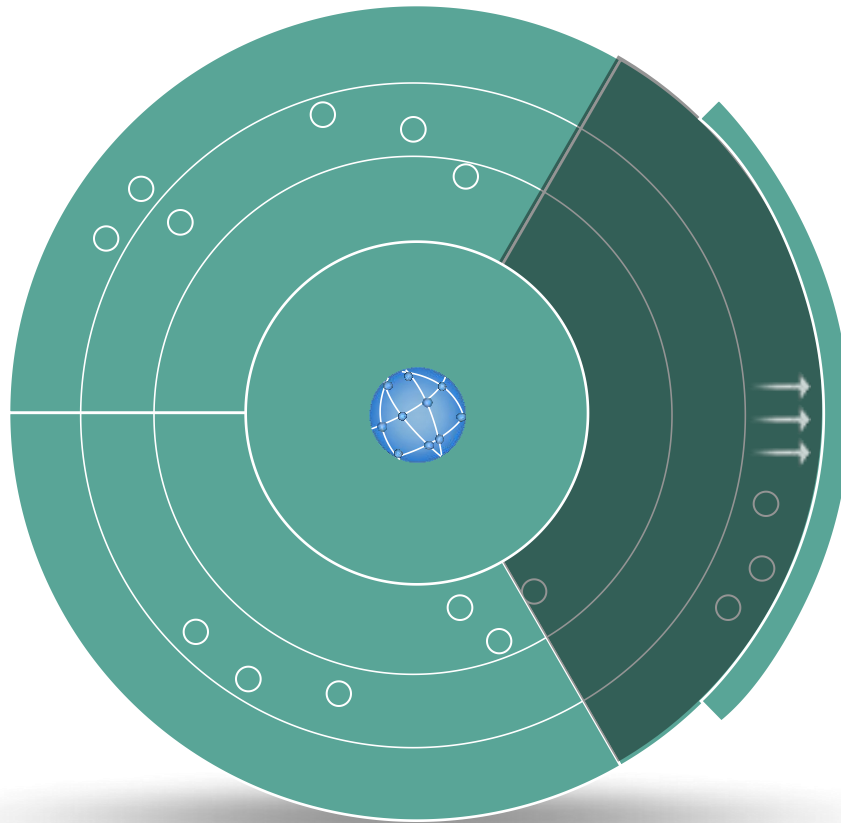
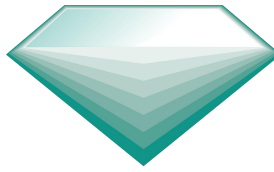


Annual chairman  
award

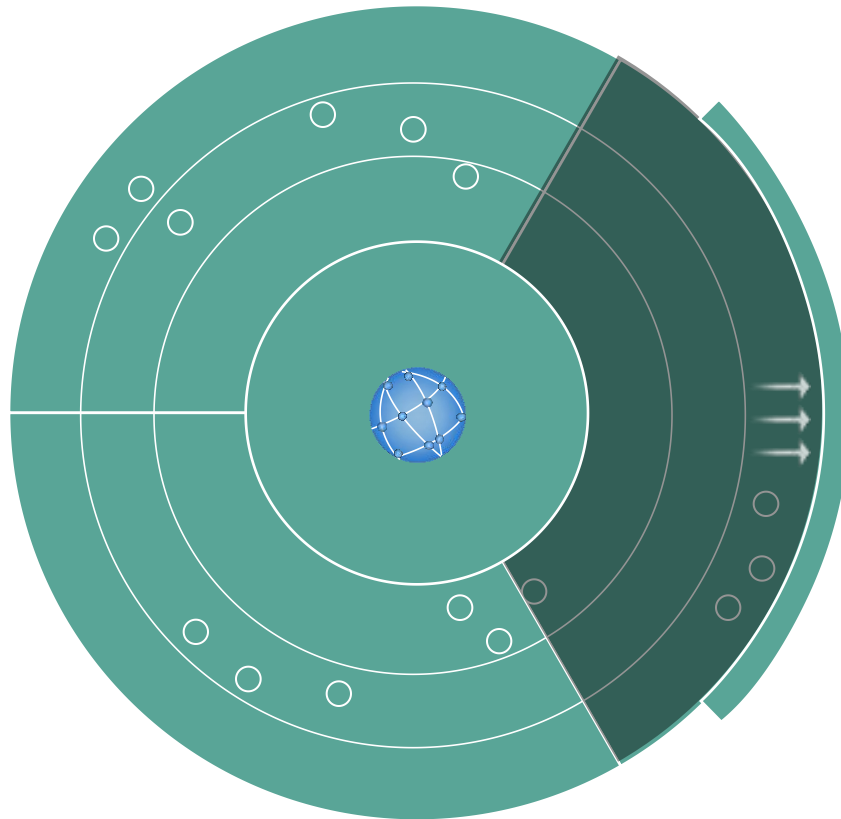
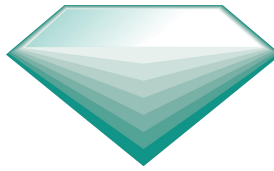


- 1, Learn the product's application , demand and background.
- 2, Evaluate case's feasibility when customers' demand completed.
- 3,Provide professional solution when the demand is not completed.
- 4,Evaluate cost reduction options
- 5,Team pricing operation
- 6.Detailed quotation sheet
- 7.Confirm the case and prices with customers
- 8.....

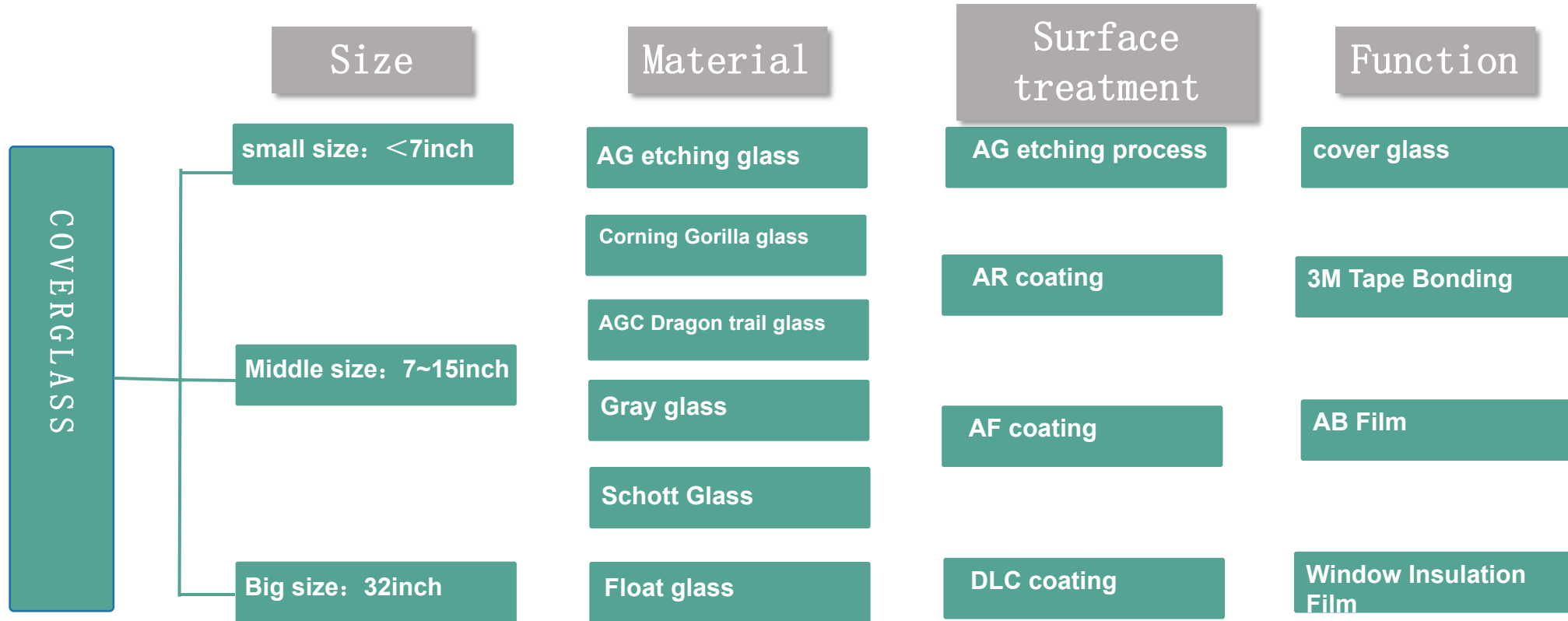
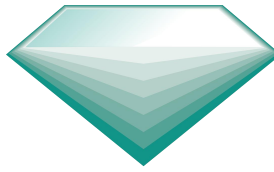




1. Customers place sample order
2. Review of sample and confirm delivery time
3. Sample evaluation (sales/purchasing/quality dep.)
4. After sample is OK and confirmed, make the mass production specification and approve it
5. Customers place mass production orders
6. Review of mass production orders
7. Confirm the delivery date and production quality
8. Communicate production progress with customers in time
9. Shipment
10. ....

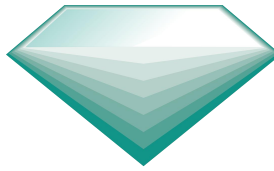


- 1, Get customer's feedback for issue
2. Gelivable team learn the issue and respond within 24hours
3. Analysis the issue
4. Provide the reasons and solutions
5. Revert customers within 3days and submit analysis report
6. Introduce improvement measures into production quality management
7. ....



# Product Introduction

## AG glass



Thickness	Tolerance of raw material		Single side etching		Double side etching	
	Thickness	Max.	Min.	Max.	Min.	Max.
0.7	0.75	0.65	0.71	0.59	0.67	0.53
1.1	1.15	1.05	1.11	0.99	1.07	0.93
1.6	1.68	1.52	1.64	1.46	1.6	1.4
1.9	2.08	1.91	2.04	1.85	2.00	1.79
2.2	2.26	2.16	2.22	2.1	2.18	2.04
3.1	3.15	3.05	3.11	2.99	3.07	2.93
3.9	3.94	3.78	3.9	3.72	3.86	3.66

Parameter		Single side					Double side				
		35±10	50±10	70±10	95±10	110±10	35±10	50±10	70±10	95±10	110±10
Gloss		35±10	50±10	70±10	95±10	110±10	35±10	50±10	70±10	95±10	110±10
R.a.		0.18	0.15	0.12	0.09	0.07	0.16	0.13	0.09	0.07	0.05
Haze%		17	11	4.7	3	2	17	11	6	2.5	1.5
Transmittance		>89%	>89%	>89%	>89%	>89%	>89%	>89%	>89%	>89%	>89%
Reflection		~8%	~8%	~8%	~8%	~8%	~8%	~8%	~8%	~8%	~8%
Resolution		2:1	3:1	3:1	3:1	3:1	2:1	2:3	3:1	3:1	3:1
Clarity		40	57	79	83	91	40	57	70	85	91

# Product Introduction

# AG Glass Features

## 【Better Resolution & Less Eyestrain】

Still readable even under the strong sunlight

## 【Never Peel Off】

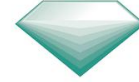
Chemically etched process makes the AG glass perfect for the rugged working environment

## 【Paper-like Touch】

Smooth and delicate surface, bringing a paper-like feeling



够力拉®



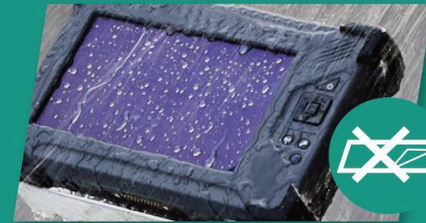
Gelivable®

掌握AG玻璃盖板核心技术

Master Core Technology Of AG Cover Glass

清晰护眼

Better Resolution  
Less Eyestrain



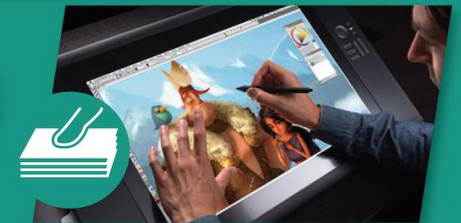
永不脱落



Never Peel Off

类纸触感

Paper-like Touch



中文网址  
<http://www.gelivableglass.com.cn>



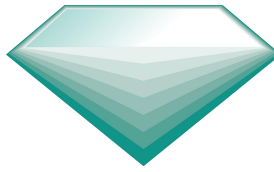
ホームページアドレス  
<http://www.gelivableglass.jp>



English Homepage  
<http://www.gelivableglass.com>

KANOU-SD-MD-032 A2

Master Core Technology Of AG Cover Glass



**Dead Front Glass:** Realize the application of all-in-one black for display

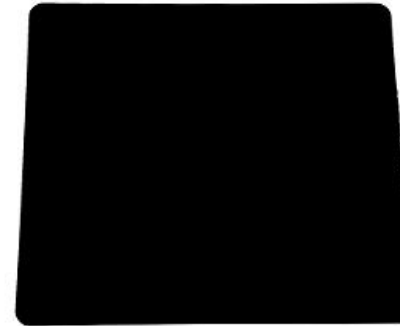
Transmittance:18~50%

Thickness:1.1~4.0mm

Size:1-32inches

Size,shape can be customization based on customer's drawings.

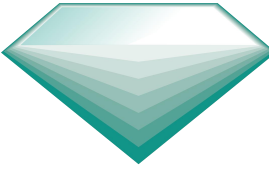
Light Off



Light On



VA area has the same color as BM area



### Big cut-out:

Glass shape: 550\*320mm

Thickness:4.0mm

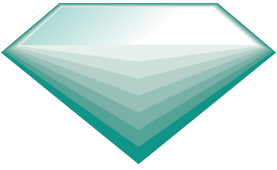
Cut-out hole size: 330x150mm

Process: cutting the material (square shape) - laser drilling a large hole -CNC grinding shape and finishing the large hole and chamfering

Advantages: High efficiency for laser drilling, high yield rate, with the feasibility of mass production.







### Narrow distance from hole to edge:

Glass shape: 120\*100mm

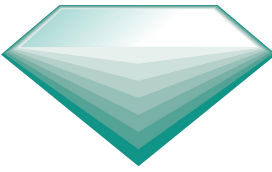
Thickness: Corning Gorilla Glass 1.5mm

Hole size: 15x11mm, 4pieces

Distance from hole to glass edge: 2.0mm

Processing: laser drilling or CNC drilling





## Stepped Glass:

Glass shape: 150\*100mm

Material: Corning Gorilla Glass, Borosilicate Glass, Soda Lime Glass etc.

Thickness: 2.0, 3.0, 4.0, 5.0mm

Step Structure: 1+1mm, 2+1mm, 2+2mm, 3+2mm,

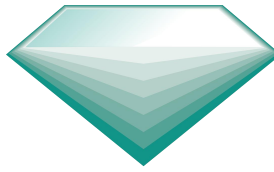
Step surface width Max 12mm

Process: CNC grinding, step surface can be polished



# Products Introduction

# UV Resistance Ink



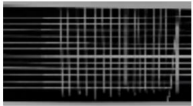



## 1. Test equipment:

Model HT-ZW-1300S ultraviolet accelerated weathering test machine.

## 2. Test requirements:

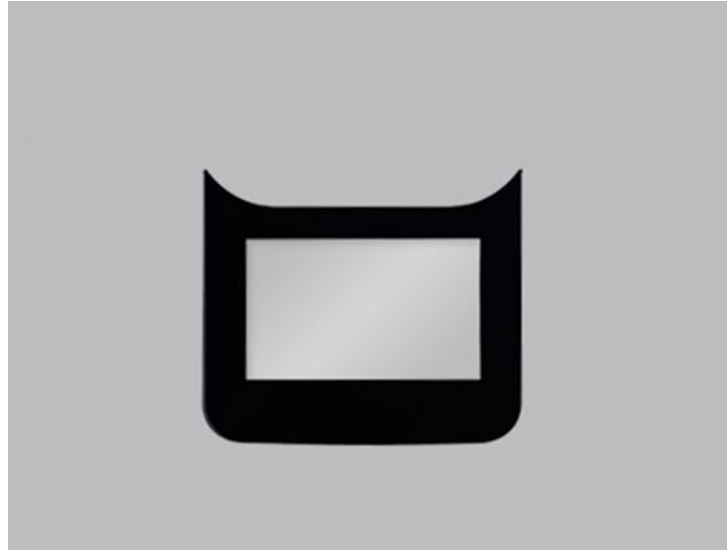
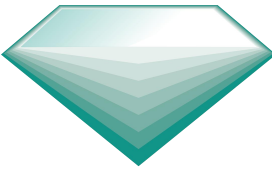
- 1) Lamp: Philips UVA340
- 2) Power requirements: 1.23W/m<sup>2</sup>/nm, TL60W @ 340 nm
- 3) Cycle mode: 8 hours of radiation, 2 hours of condensation, recorded as 1 cycle
- 4) Number of cycles: 125 times
- 5) Radiation temperature: 60°
- 6) Condensing temperature: 50°
- 7) Condensing humidity: 90°

## 3. Test Report:

Ink#	Color	Standard: Ink adhesion test≥4B,no obvious color differences, no ink cracks, peeling off, or bubbles in the glass surface.			Pics
		240H	1000H	1250H	
GSG460LL	Black	OK	OK	OK	
GSG460LL	White	OK	OK	OK	
GLLV3	Semi-Transparent Black	OK	OK	OK	
GLLV3	IR	OK	OK	OK	

# Products Introduction

# Products

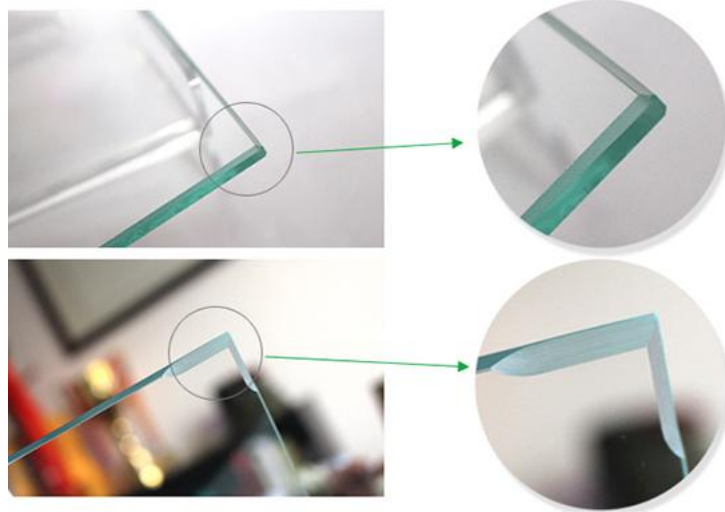
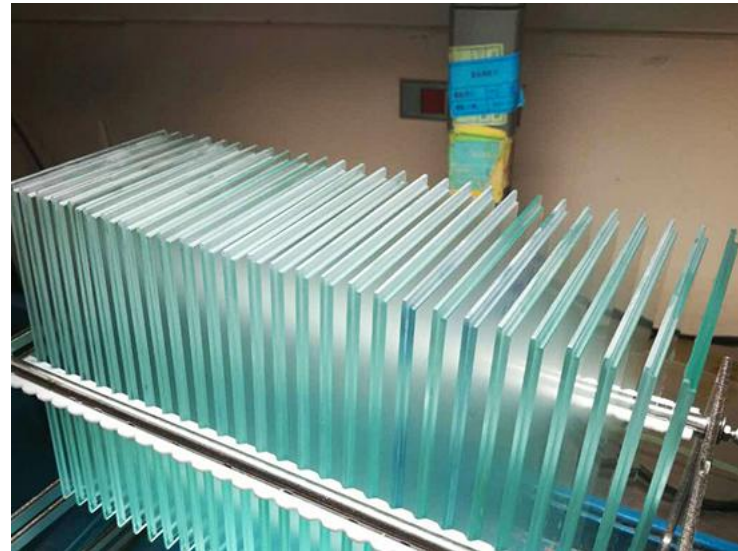
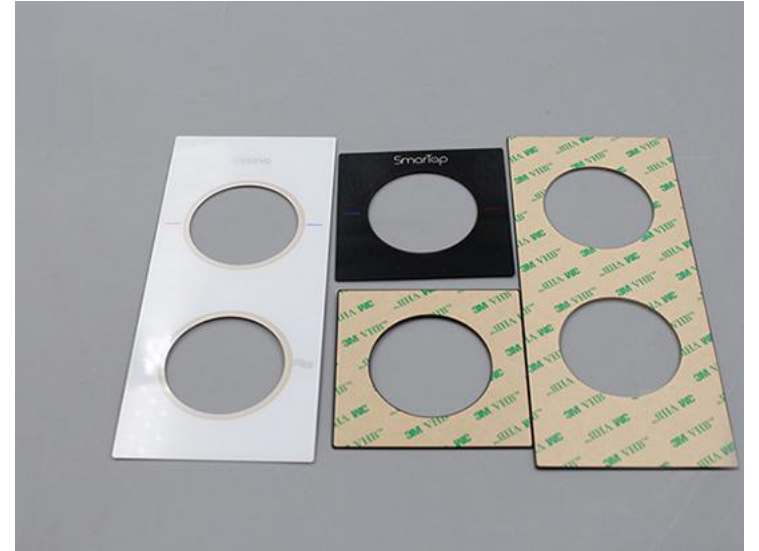
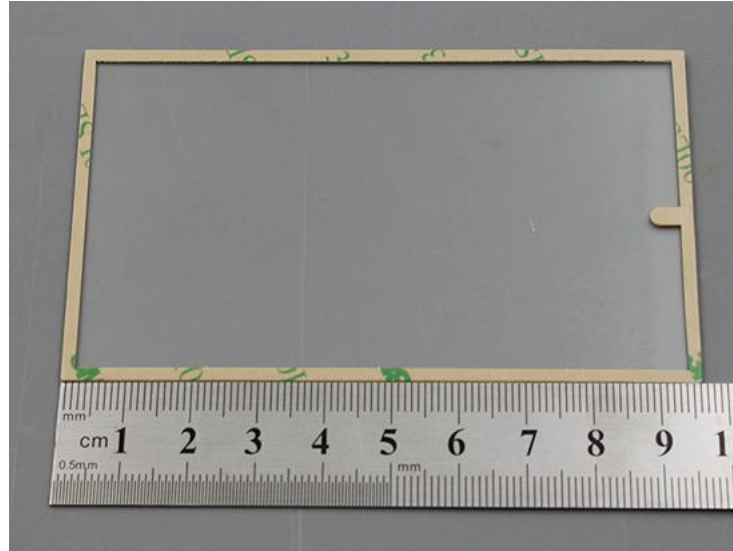
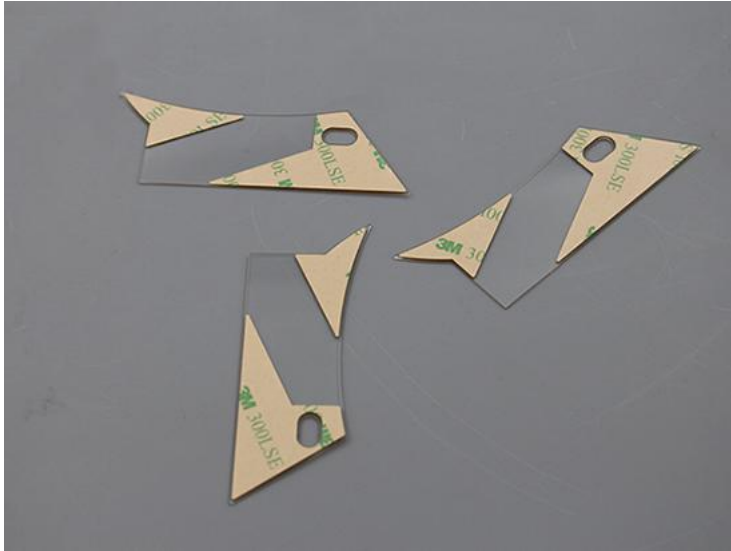
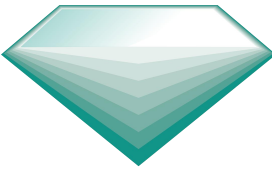


Master Core Technology Of AG Cover Glass



# Products Introduction

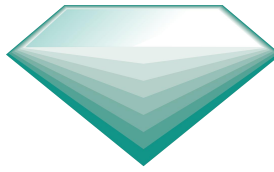
# Products



Master Core Technology Of AG Cover Glass

# Products Introduction

# Products Applications



**ATM**



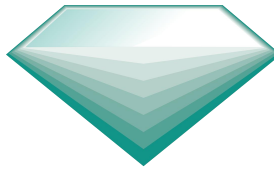
**Agricultural  
machinery**



**Industrial  
control  
equipment**

# Products Introduction

# Products Applications



**Laryngoscope  
Medical**



**Dental  
testing**

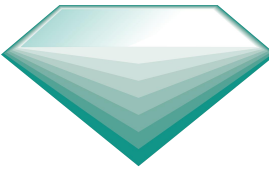


**Blood  
analyzer**



# Products Introduction

# Products Applications



**Smart home  
device**



**Military  
computer**

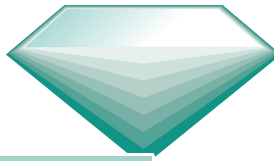


**Traffic**

# Main Equipment



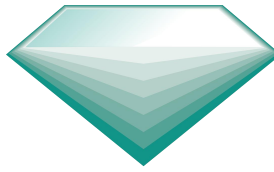
## Equipment List



Part	Device Name	QTY
1	Auto cutting machine	3
2	Plane cleaning machine	3
3	Ultrasonic cleaning machine	1
4	Double door oven	1
5	CNC (double axis )	13
6	CNC (single axis )	2
7	Automatic strengthening furnace	3
8	Printing machine	12
9	Big size printing machine	2
10	Flow baking line	1
11	Dust-free automatic baking line	1
12	AF Coating Machine Line	1

# Main Equipment

# Testing Equipment



Video Measuring Tester



Surface Stress Tester



Spectrum Tester



BYK Gloss meter



UV Accelerated Weathering Tester



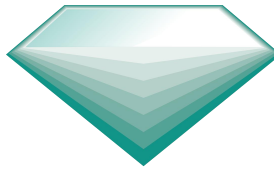
CR400 Colorimeter



Drop Ball Tester

# Capacities

# Capacities & Lead time

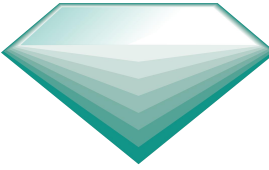


7''	120K/M
10''	100K/M
15''	80K/M
20''	50K/M

	QTY	Clear glass	Printing
Sample	1-100片	(tool included)	(film included )
		8days	15days
Mass Production	2-10K	10days	15days
	10-50K	15days	20days



# Core Technologies



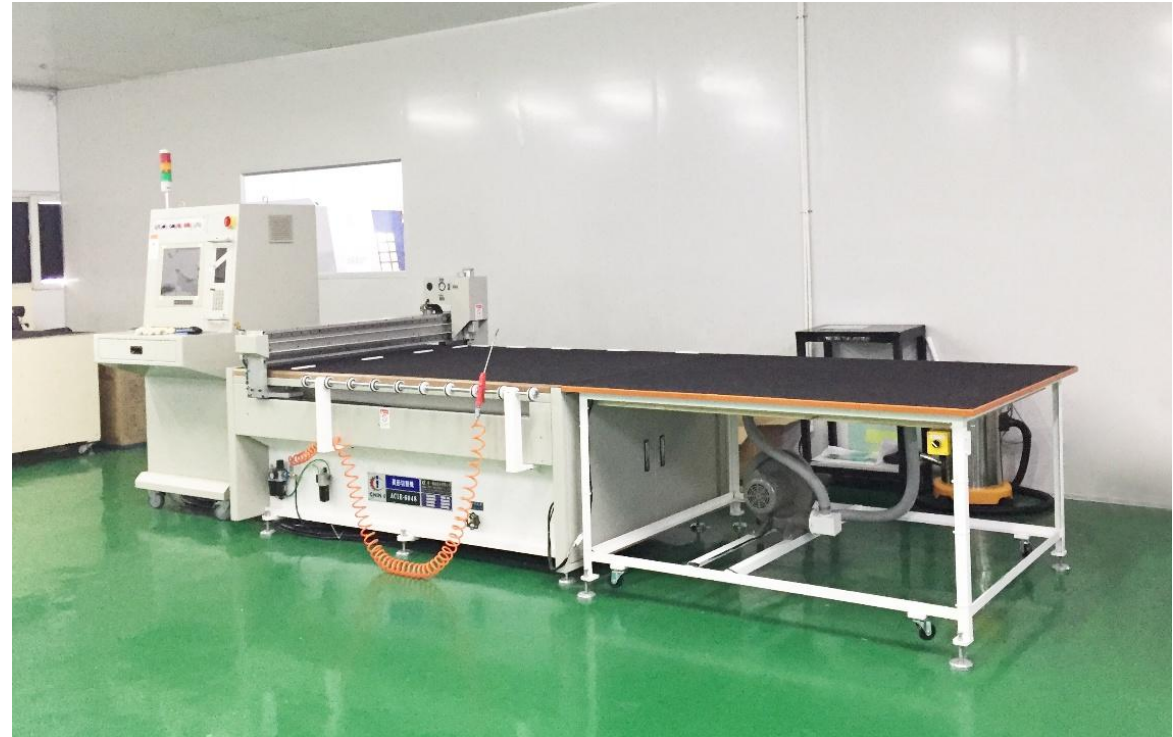
## Cutting

Accuracy:0.03mm

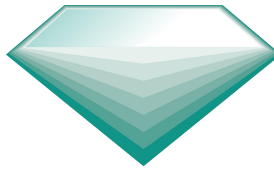
Shaped cutting

Thickness:0.1~5mm

Diamond grinding unit

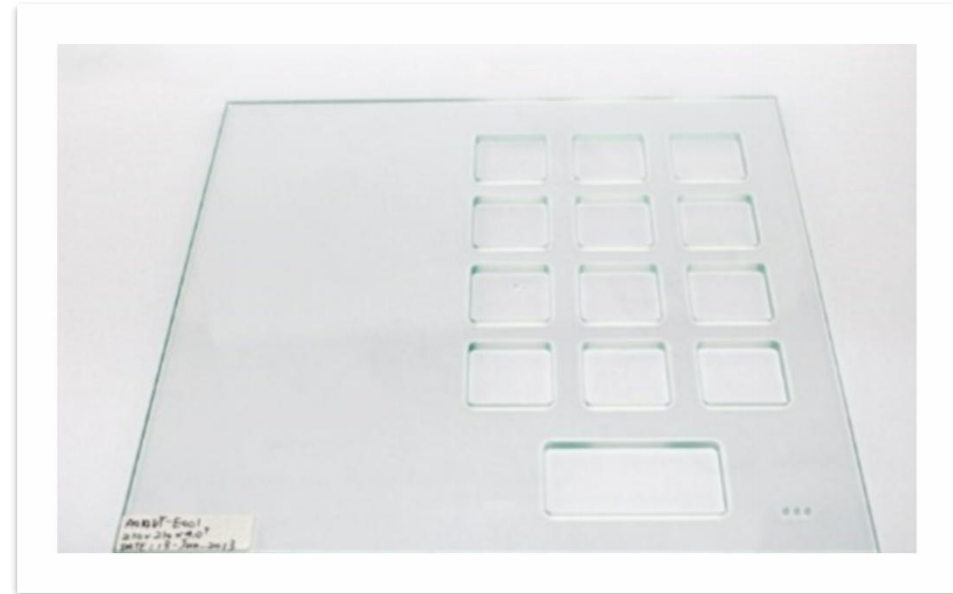
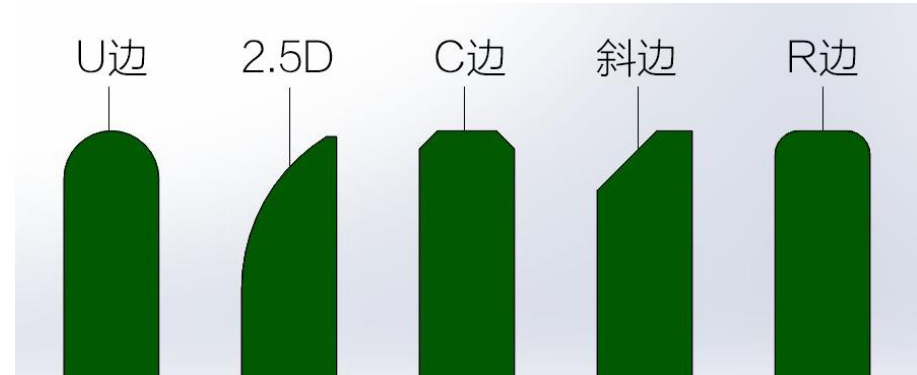


# Core Technologies

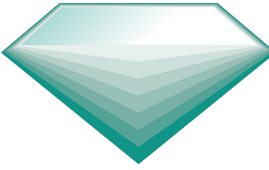


## CNC Machining

hiningNC Machining  
Equipped with multiple modern CNC  
machining centers.  
Shape along with cutouts/holes etc..



# Core Technologies



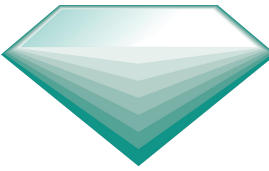
## Ultrasonic Cleaning:

Multi-slot ultrasonic cleaning removes oil stains, dirt, and chemical residues on the glass surface with high cleanliness.



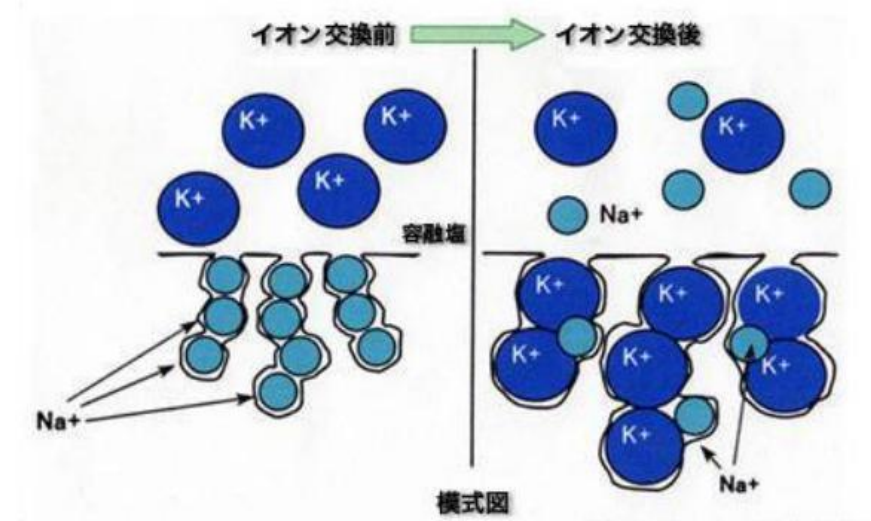


# Core Technologies



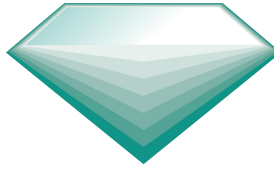
## Chemically Strengthened

	DOL	CS
AG glass/Float glass	8~12um	>450Mpa
Gorilla glass/Dragon tail	>40um	>650Mpa



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# Core Technologies

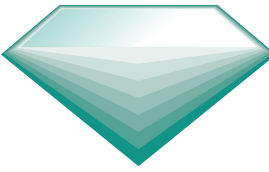


## Thermal Tempered

- Min. T >3mm
- Min. fragment quantity over 100pcs within 50\*50mm area
- The debris is at an obtuse angle, which is safe and does not hurt people
- Maximum warpage 0.15mm (3mmt, 15 inches)



# Core Technologies



## Silkscreen Printing

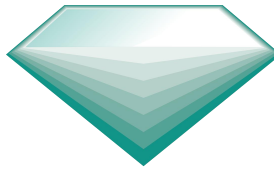
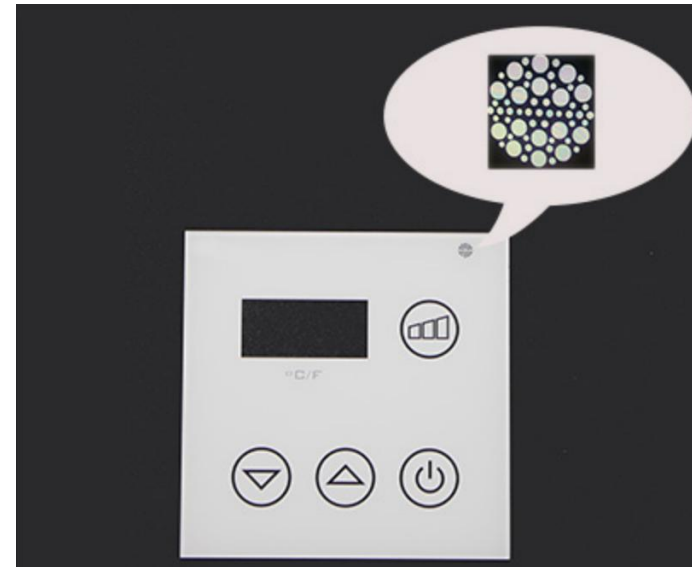
- Full-automation printing machine
- Multiplayer and color printed
- Presents your design and brand look
  
- Metallic ink
- High temperature ink
- IR Ink
- UV Resistance-ink



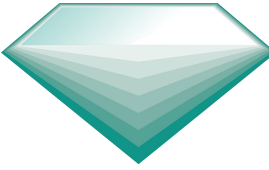
# Core Technologies

## Laser carving

Automatic positioning laser laser engraving,  
Achievable MinØ0.1mm pattern



# Core Technologies

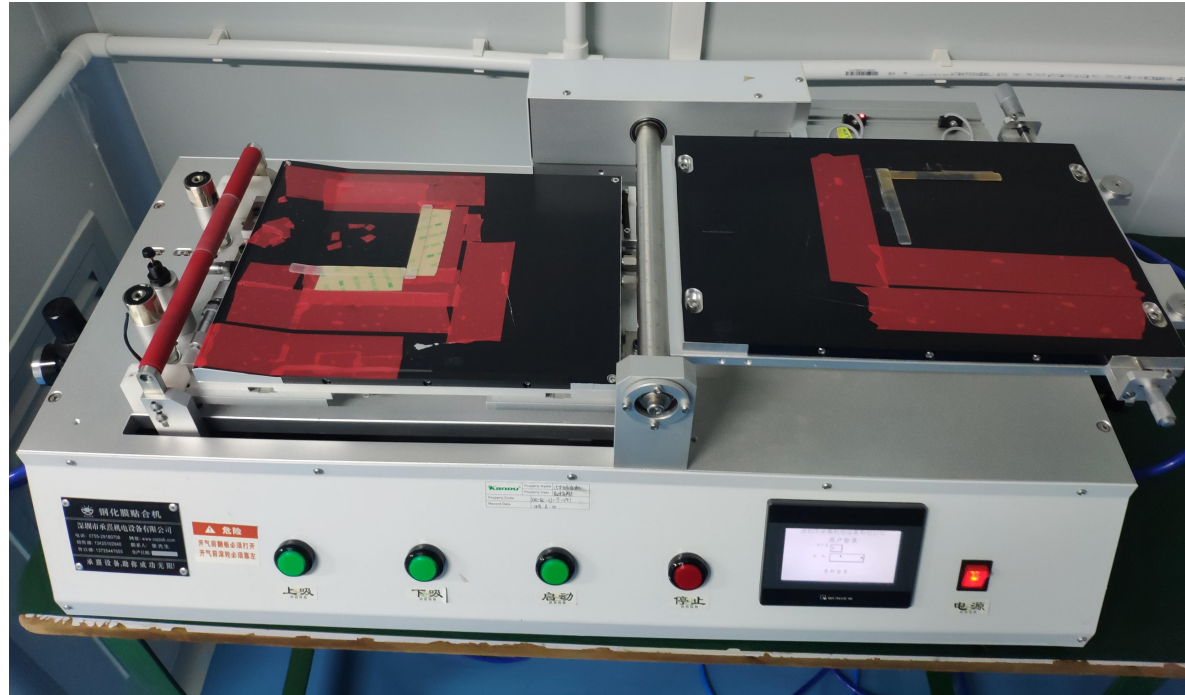


3M tape bonding

Automatic laminating machine

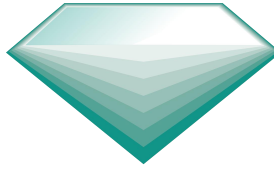
High precision alignment

Fit without bubbles



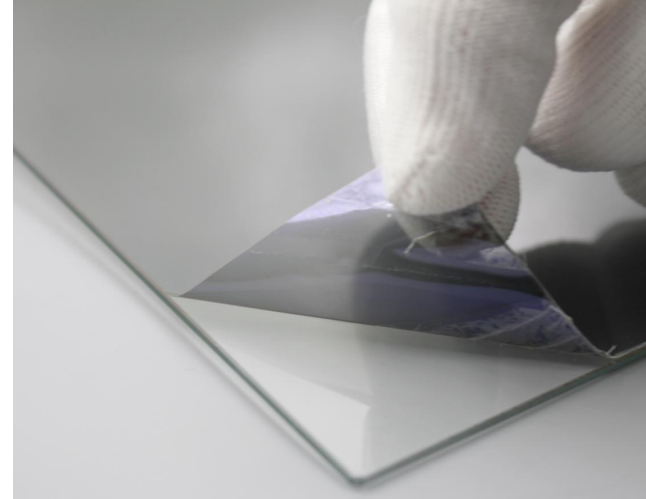


# Core Technologies



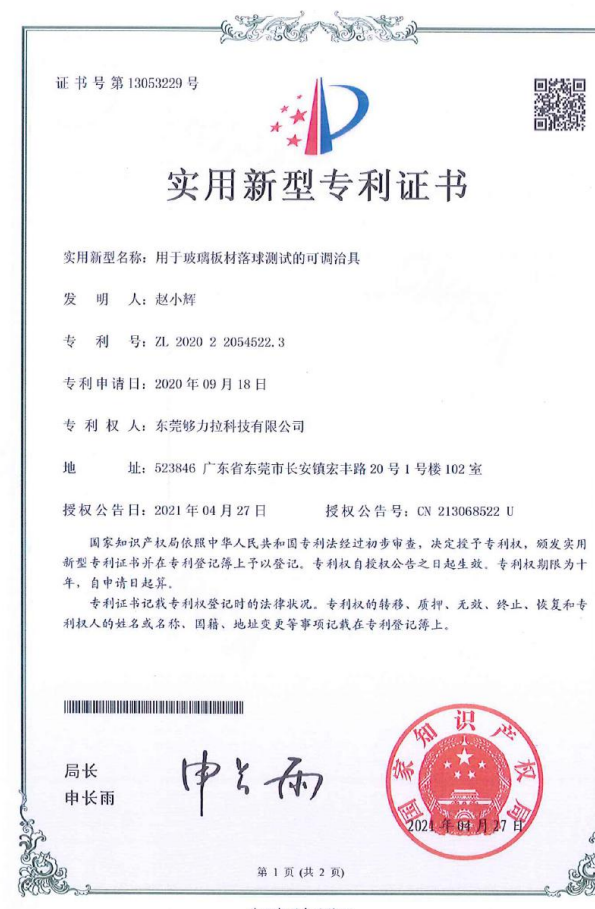
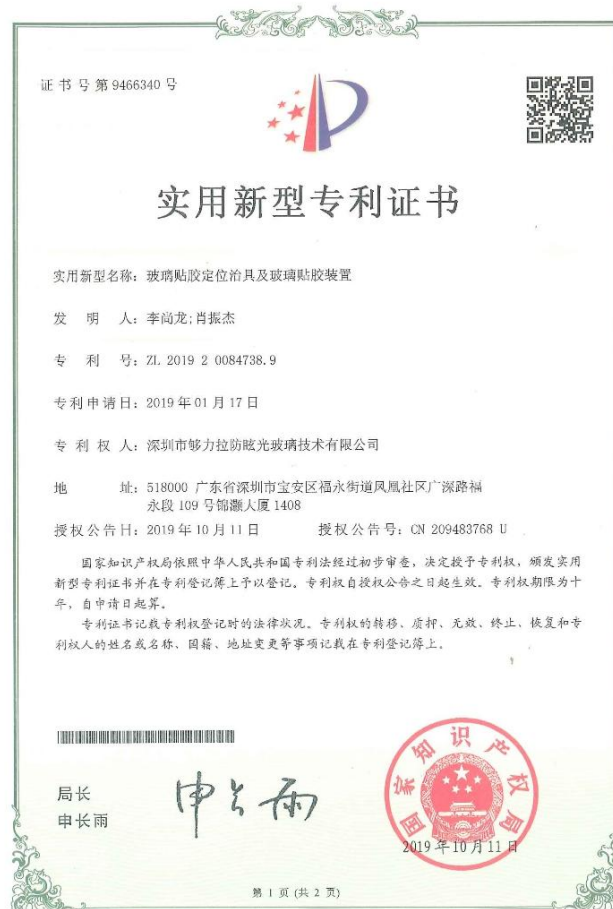
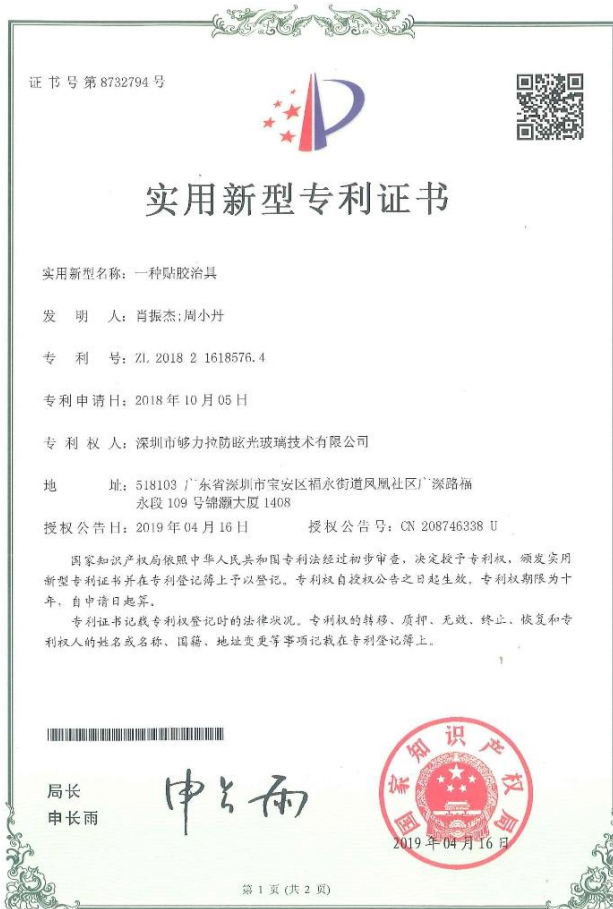
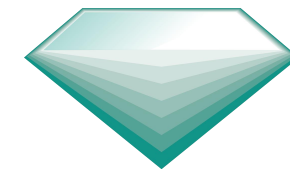
## Other bonding :

Can be pasted with explosion-proof film, anti-fog film, heat insulation film, AB glue



# Core Technologies

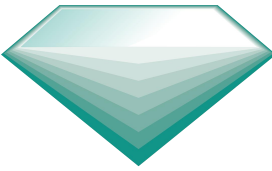
# Patented Technology





# Core Technologies

# Patented technology



Master Core Technology Of AG Cover Glass

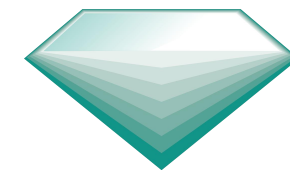


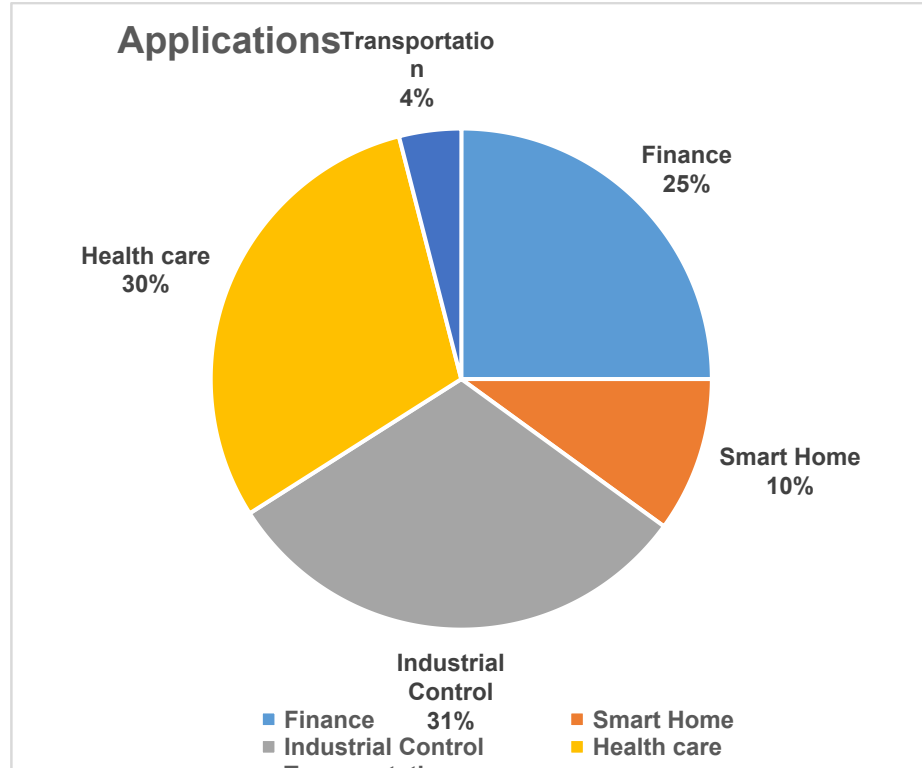
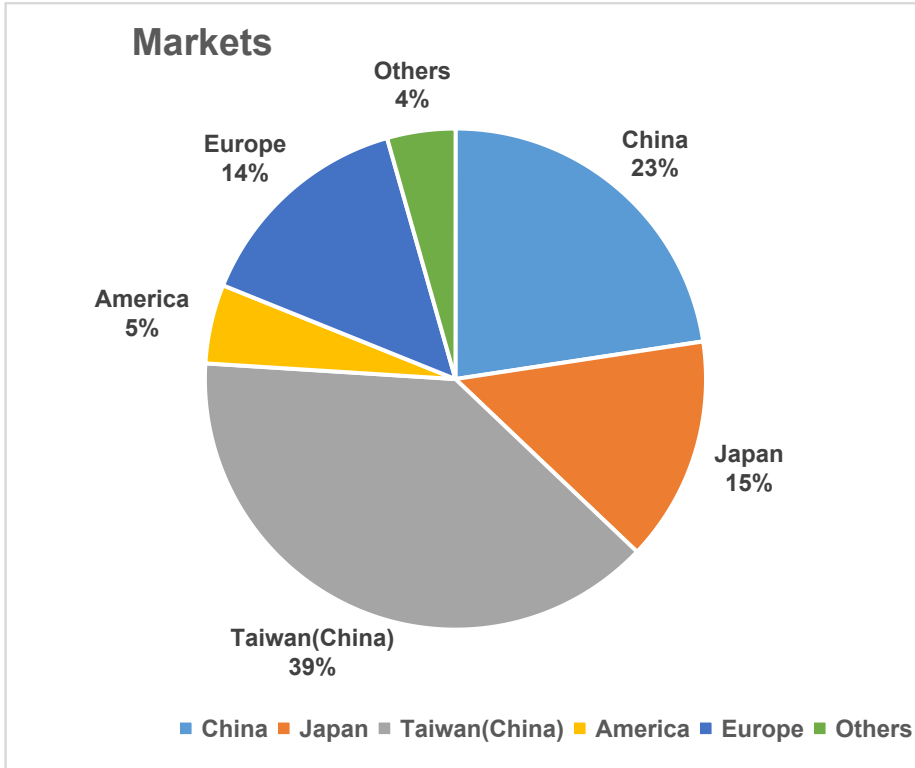
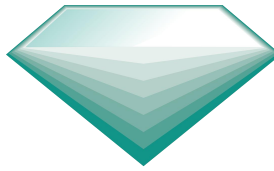
## ISO9001:2015



# Partners

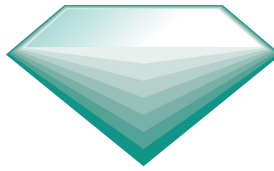
# Part Partners







# Contact us



## Contact us

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