



# **GOLDEN GLASS**

**THE GOLDEN STANDARD**

## **COMPANY PROFILE**



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 Our Partner

# | About Us

Golden Glass is a leading manufacturer of high-performance architectural glass based in Riyadh, Saudi Arabia. Established in 2023 as part of the ASASCO Group, a prominent conglomerate in trade and construction, our state-of-the-art facility spans 8,000 square meters and produces over 500,000 square meters of glass annually. We are committed to delivering innovative, sustainable, and high-quality glass solutions that meet the demands of modern architectural projects, from residential buildings to large-scale commercial developments.





# Chairman's Speech



At Golden Glass, we are driven by a vision to redefine the architectural glass industry in Saudi Arabia and the Middle East. As we embark on this journey, we aim to support the Kingdom's ambitious Vision 2030 by fostering innovation, sustainability, and economic growth.

Our commitment to quality and excellence is unwavering. By investing in advanced manufacturing technologies and sustainable practices, we ensure that our products not only meet but exceed the highest international standards. Moreover, we take pride in nurturing local talent, contributing to the development of a skilled workforce that will lead the industry into the future.

Golden Glass is more than just a glass manufacturer—we are a partner in building a brighter and more sustainable future. Together, with your trust and collaboration, we aim to create iconic architectural landmarks that stand the test of time.

**Abdullah Alsikhan**

Chairman, Golden Glass Factory for  
Advanced Technology in Glass Solutions

# Why Choose Us !

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## 1. High Production Capacity and Flexibility:

- Annual production capacity exceeding 500,000 square meters.
- Prepared to meet large-scale project demands with tight deadlines.



## 2. Advanced Technology:

- Facilities equipped with cutting-edge machinery, including automated cutting lines and thermal forming furnaces.
- Energy-efficient glass technologies like Low-E Glass and Solar Control Glass.



## 3. Global Quality Certifications:

- ISO 9001:2015 certified.
- Products comply with EN and ASTM standards, ensuring quality.



## 4. Customized Solutions:

- Tailored design and production services to meet unique project requirements.



## 5. Alignment with Vision 2030:

- Contributing to major infrastructure projects and providing glass solutions that support sustainable buildings.



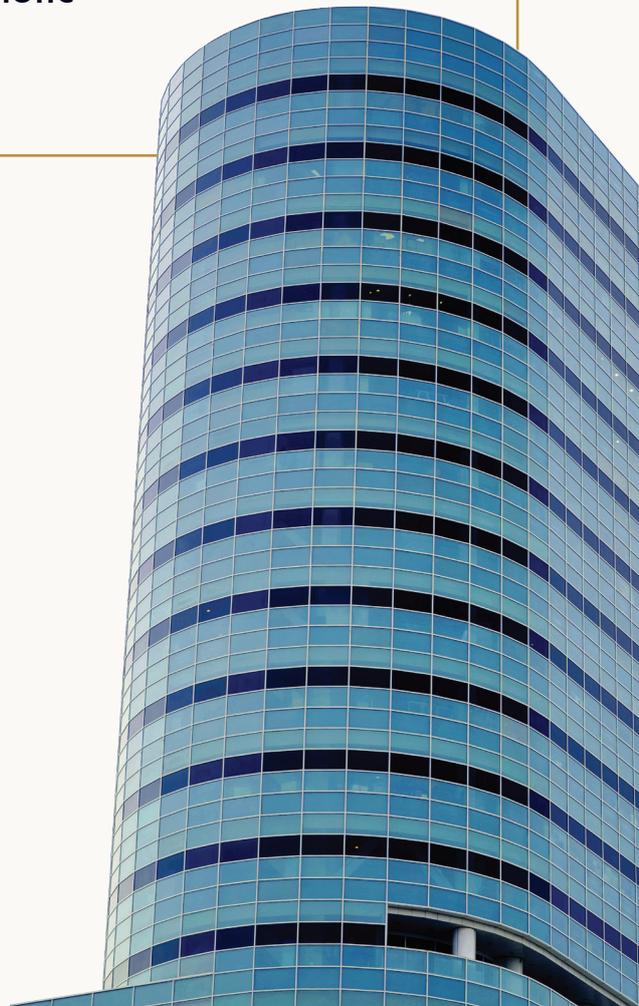
# Our Vision and Mission

## **Vision:**

To become the leading provider of advanced glass solutions in Saudi Arabia and the Middle East, setting new benchmarks in quality and sustainability.

## **Mission:**

To deliver high-performance glass products that enhance the functionality, safety, and aesthetic appeal of modern buildings, exceeding customer expectations



# Strategic Goals

---

01

## **Investment in R&D**

Allocate significant resources to research and development to pioneer new power technologies and applications.

02

## **Technology Advancement**

Stay ahead of industry trends by integrating the latest advancements in power management and energy storage technologies.

03

## **Continuous Improvement**

Maintain and enhance our ISO 9001:2015 certification standards through regular audits and process optimizations.

04

## **Rigorous Quality Control**

Implement comprehensive quality assurance protocols at every production stage to ensure flawless product delivery.

05

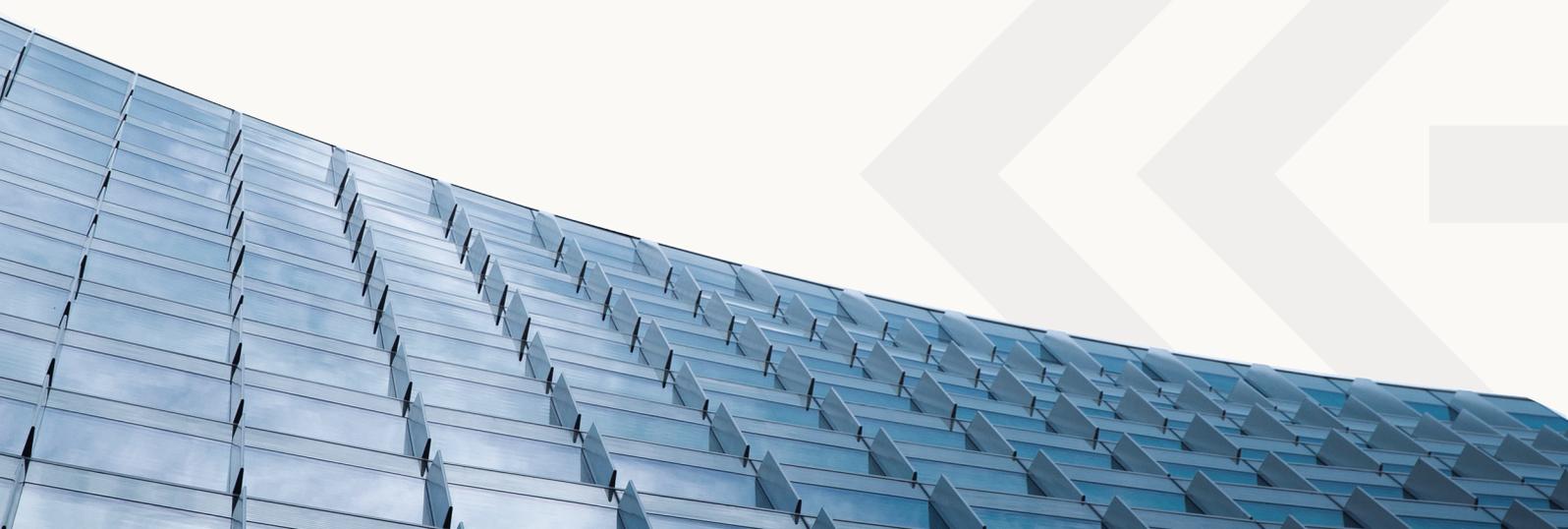
## **Eco-Friendly Practices**

Adopt sustainable manufacturing practices, including waste reduction, energy conservation, and the use of recyclable materials.

06

## **Advanced Machinery**

Leverage the latest machinery and technologies to enhance production capabilities and product quality.



# Strategic Goals

---

07

## **Regional Growth**

Allocate significant resources to research and development to pioneer new power technologies and applications.

08

## **Tailored Solutions**

Offer bespoke power products and services that meet the specific requirements of each project, ensuring maximum client satisfaction.

09

## **Exceptional Support**

Provide unparalleled customer service, from initial consultation to post-installation support, building lasting relationships with our clients.

10

## **Talent Acquisition**

Attract and retain top talent in the industry through competitive benefits, ongoing training, and a supportive work environment.

11

## **Professional Growth**

Invest in continuous professional development programs to enhance the skills and expertise of our workforce.

12

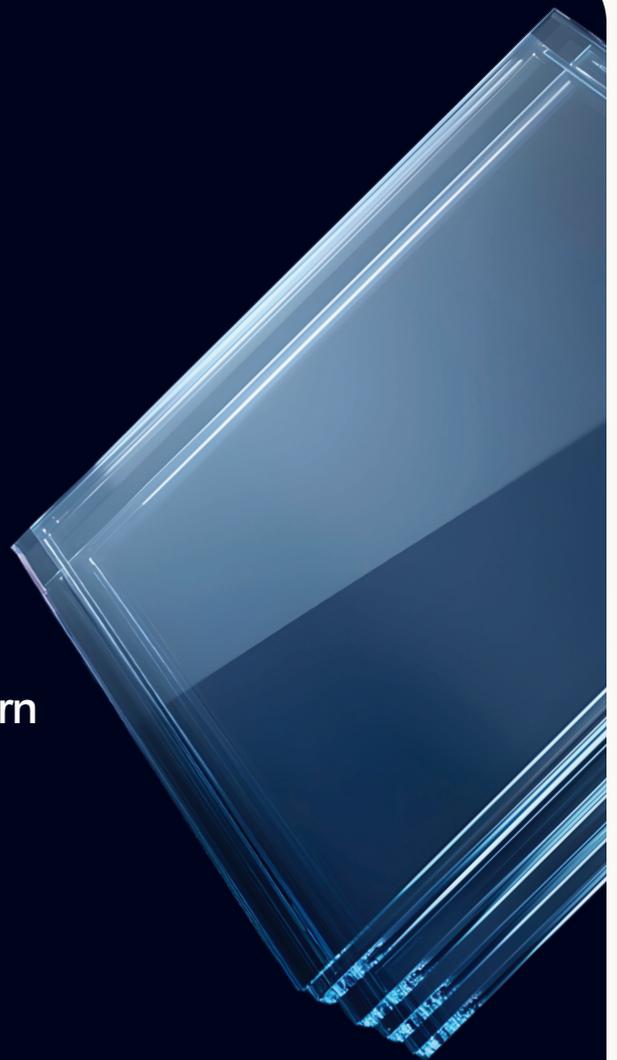
## **Process Optimization**

Streamline production processes through automation and lean manufacturing techniques to increase efficiency and reduce costs.



# STATE OF THE ART MACHINERY

1. Fully Automatic Cutting Line
2. Arising
3. Single Edge Grinding
4. Water Jet Drilling & Cutting
5. High speed washing
6. Manual Driling
7. Bevelling Machine
8. Sand Blasting Machine |
9. Tempering Furnace
10. Tempered Glass: Breakage Pattern
  - Heat Strengthened (HS)
    1. Tempered Glass: Breakage Pattern
  - Fully Tempered (FT)
    1. Heat Soak Oven
    2. EVA Glass Laminating
    3. Insulating Glass Unit





***QUALITY  
ASSURANCE***



# QUALITY ASSURANCE

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**Experienced Team:**  
Experienced team of Quality personnel



**Inspection Reports:**  
Quality inspection reports & checks at each process



**Online storage of quality :**  
inspection records and quick data retrieval of reports to customer of projects.



**Real time distortion measurement:**  
100% of glass surface measured for distortion – LiteSentry



**Traceability**  
Full backward traceability of operating parameters and raw material used for every product manufactured



**Certifications:**  
IMS, Kuraray, Raw Glass – Saint – Gobain, Guardian, AGC,



**Packaging & Dispatch:**  
Rack – naked shipment for local shipments. Wood Box / Certified rack for export shipments

# QUALITY ASSURANCE

<b>Glass / Process Type</b>	<b>Standard Adherence</b>
<b>Float Glass</b>	EN 572, ASTM C 1036, JIS R 3202
<b>Coated Glass</b>	EN 1096, ASTM C 1376
<b>Fully Tempered (FT)</b>	EN12150, ASTM C 1048
<b>Heat Strengthened (HS)</b>	EN 1863, ASTM C 1048
<b>Laminated Safety Glass</b>	EN 12543, ASTM C 1172
<b>Insulated Glazing Unit - IGU</b>	EN 1279, ASTM C 1249
<b>Bullet Resistance Glass - BR</b>	EN 1063

# QUALITY ASSURANCE - CUTTING OF GLASS

Dimension Tolerances – EN 1863 / EN12150

Dimension in Millimeters

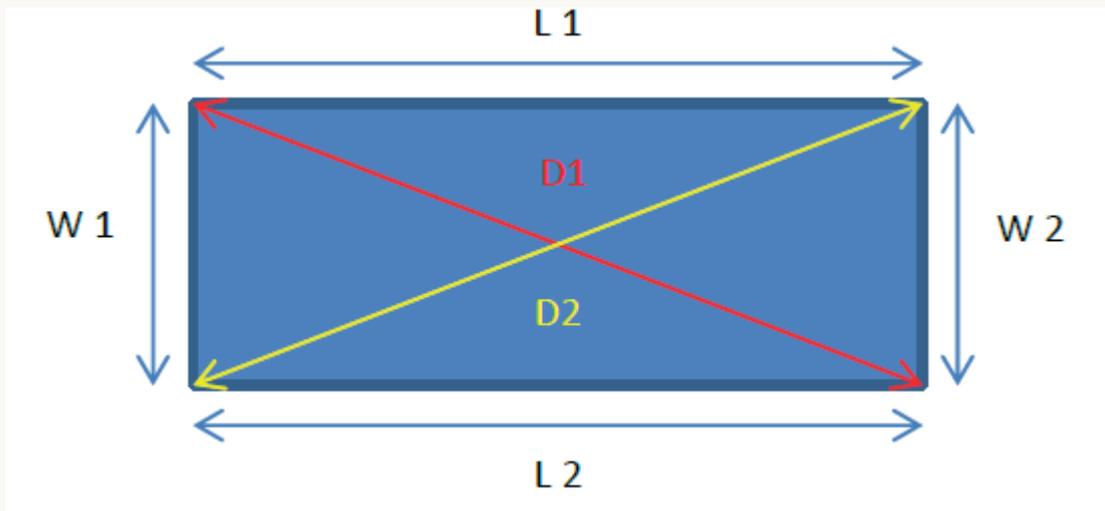
Nominal thickness d	Thickness tolerances for glass type
	Float
2	± 0.2
3	± 0.2
4	± 0.2
5	± 0.2
6	± 0.2
8	± 0.3
10	± 0.3
12	± 0.3
14	
15	± 0.5
19	± 1.0
25	± 1.0

FAG Commitment	
Dimension Tolerance	± 2 for sizes ≤2000mm ± 3 for sizes >2000mm
Diagonal Tolerance	≤ 2 for sizes ≤2000mm ≤ 3 for sizes >2000mm

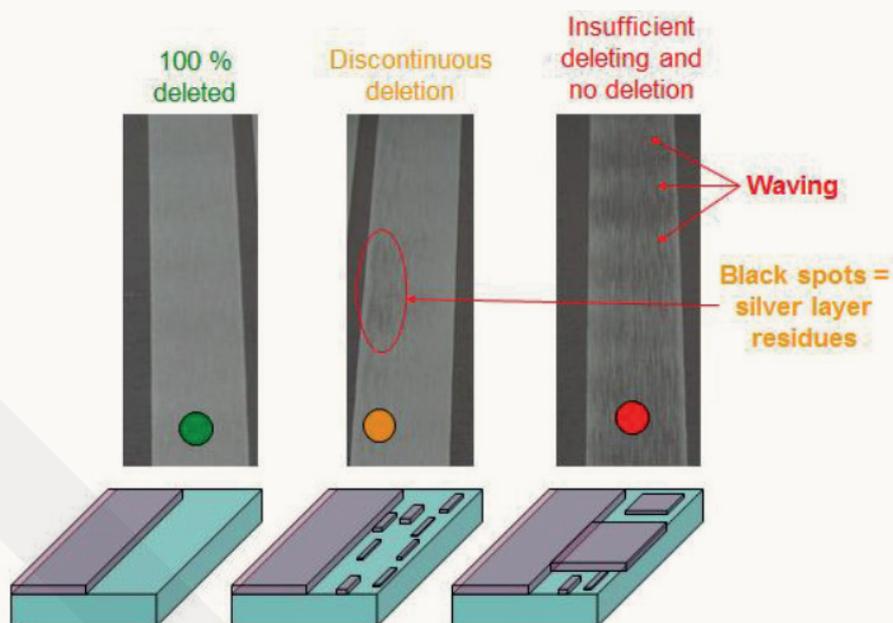
Dimensional Accuracy for use in Heat Treating, laminating or DGU's				
Plate Size (W or H)	Dimension - W x H		Diagonal (D)	
	Thickness		Thickness	
	≤ 8	>8	≤ 8	>8
≤ 2000	+/- 2	+/- 3	≤4	≤6
> 2000 & ≤ 3000	+/- 3	+/- 4	≤6	≤8
> 3000	+/- 4	+/- 5	≤8	≤10

# QUALITY ASSURANCE - CUTTING OF GLASS

Dimensions (W & H), Diagonal



## Edge Deletion Quality



# QUALITY ASSURANCE – TEMPRED GLASS

## Roller Wave:

The wave or roller wave is measured by means of a straight edge, or equivalent, being placed at right angles to the wave or roller wave and bridging from peak to peak of the waves.

**NOTE:** This section deals with measurement using a straight edge and feeler gauges.

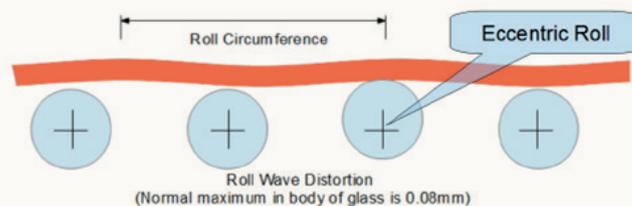
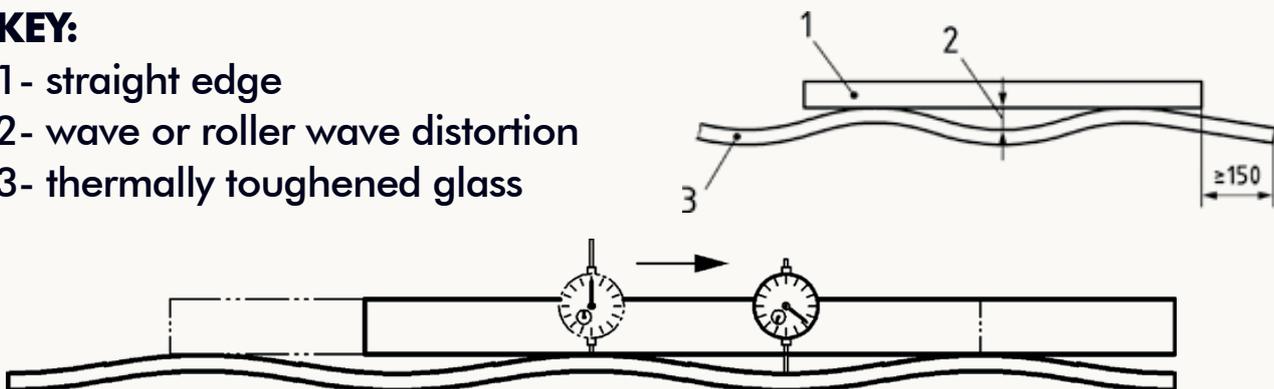
A straight edge: length of between 300 mm and 400 mm.

**NOTE:** The minimal length of the straight edge needs to bridge two peaks of the roller waves.

Feeler gauges : various thicknesses in units of 0,05 mm

**KEY:**

- 1- straight edge
- 2- wave or roller wave distortion
- 3- thermally toughened glass



# QUALITY ASSURANCE

## Edge Lift:

- The glass shall be placed on a flat support with the edge lift overhanging the edge of the support by between 50 mm and 100 mm.
- The straight edge is placed on the peaks of the roller waves and the gap between the ruler and the glass measured using a feeler gauge.

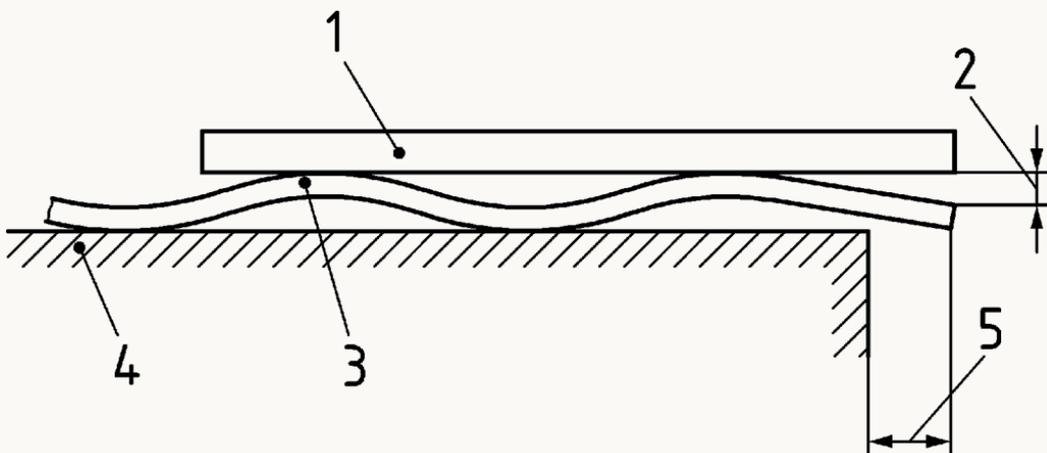
**NOTE:** The minimal length of the straight edge needs to bridge two peaks of the roller waves and the length of the edge lift.

### KEY:

- 1- straight edge
- 2- edge lift
- 3- thermally toughened glass
- 4- flat support
- 5- overhang of 50 to 100 mm



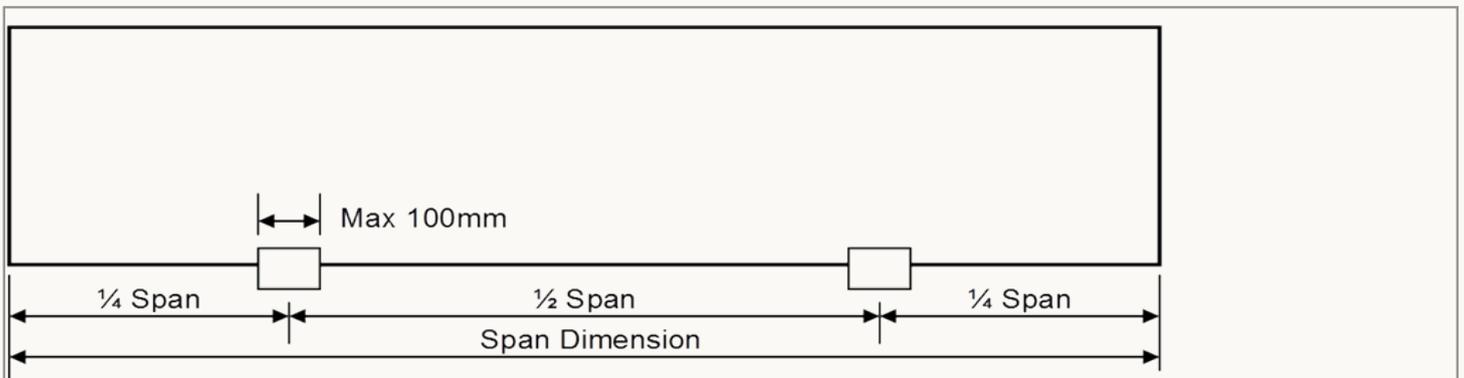
*Zebra Board Showing Distortion*



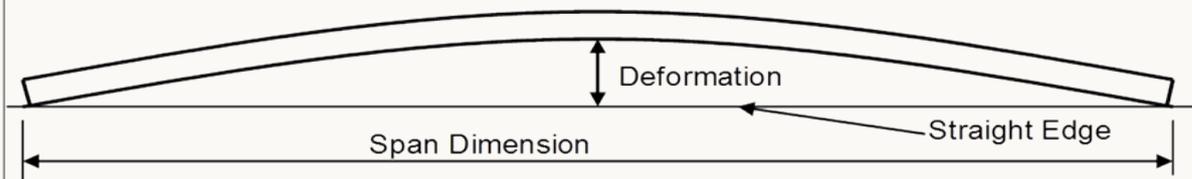
# QUALITY ASSURANCE

## Overall Bow:

The pane of glass shall be placed in a vertical position and supported on its longer side by two load bearing blocks at the quarter points.



The deformation shall be measured along the edges of the glass and along the diagonals, as the maximum distance between a straight metal ruler, or a stretched wire, and the concave surface of the glass;



The value for the bow is then expressed as the deformation in millimetres divided by the measured length of the edge of the glass, or diagonal, in metres. e.g. 2mm / 1.1m = 1.8mm deformation.

Glass Type	Coated and Uncoated float glass in accordance with EN 572-1 and EN 572-2	FAG Commitment
<b>Overall bow (mm/m)</b>	<b>3.0</b>	<b>2.0</b>
<b>Roller Wave (mm)</b>	<b>0.30</b>	<b>0.15</b>
<b>Edge Lift (mm)</b>	<b>0.30</b>	<b>0.25</b>

# QUALITY ASSURANCE

## Surface Stress Test (ASTM C 1279):

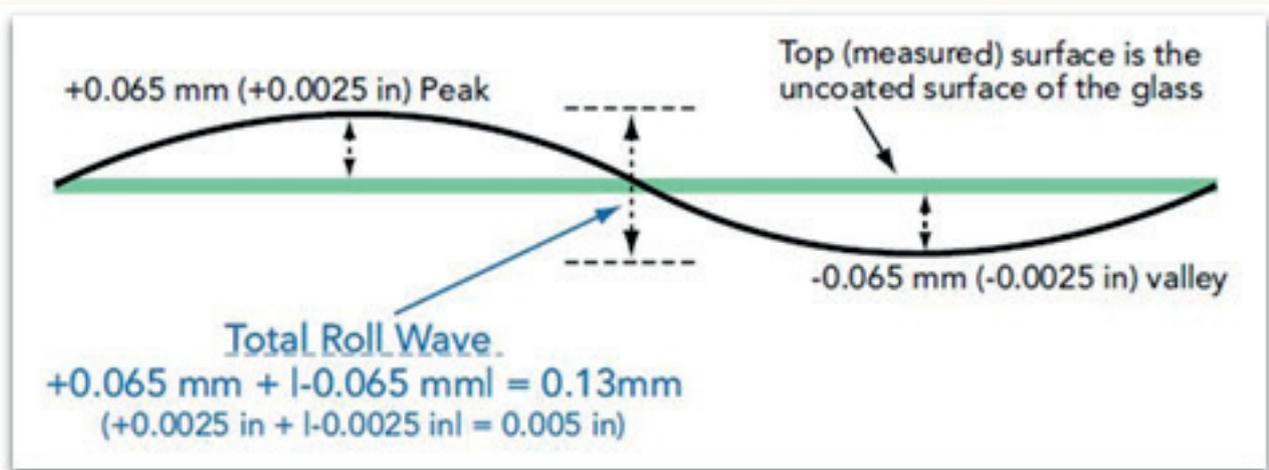
- Check the tin side of the glass where we need to measure gracing angle.
- Add a drop of the refractive index liquid on the tin side and place the instrument prism locates on the liquid.
- Check the Surface Stress value using LASER GASP - POLARIMETER

Glass Type	Surface Stress Tolerance (ASTM C 1048)	
	Heat Strengthened (HS)	Fully Tempered (FT)
Float: Clear, Tinted, Coated	24 – 52 Mpa	Min 69 Mpa

## QUALITY ASSURANCE – WELL EQUIPPED QUALITY LAB

### TEMPERD GLASS

- Stress Measurement – GASP
- Roller Wave Gauge



**LASER GASP –  
SURFACE POLARIMETER**



**3 – Point Roller Wave Gauge**

# QUALITY ASSURANCE – LAMINATED SAFETY GLASS

## TEMPERD GLASS

- Boil Test
- Humidity Test
- Bake Test



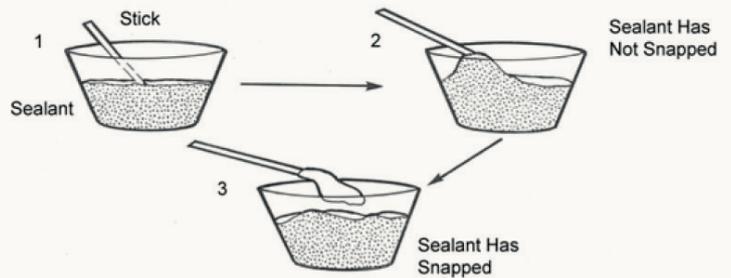
**Boil / Humidity Test**

# QUALITY ASSURANCE – INSULATED GLAZING UNIT

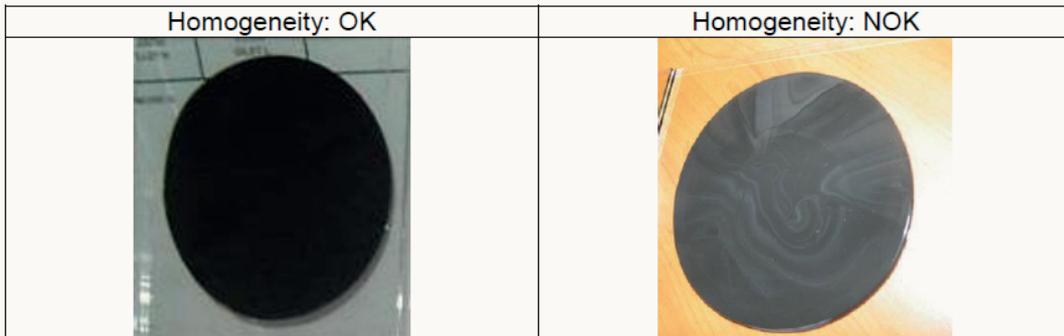
## INSULATED GLAZING UNIT

- Sealant Test
  - Mixing Ratio
  - Snap Time
  - Mixing Homogeneity
  - Shore Hardness
  - Peel Adhesion Test
- Desiccant Test
- Butyl Test

Figure 16: Snap Time Test<sup>40</sup>



### Mixing Ratio



### Mixing Homogeneity

Sample the white compound and the black compound

$$\text{Mix ratio} = \frac{\text{White compound}}{\text{Black compound}}$$

Sample the mixed outer sealant and the black compound

$$\text{Mix ratio} = \frac{\text{Mixed sealant} - \text{Black compound}}{\text{Black compound}}$$

### Mixing Ratio



### Shore Hardness

# Golden Glass (Smart Glass)

## Solutions for Architects, Developers & Builders Looking to Lead

As the demand for innovative, sustainable, and tech-forward building solutions grows, smart glass technology has emerged as a key differentiator in the real estate market. For architects, real estate developers, and construction companies, partnering with a smart glass manufacturer can unlock significant benefits for current and future projects, offering both functionality and cutting-edge design.

### What is Smart Glass?

Smart glass is a type of electro-optical glass that changes its opacity with the flick of a switch, transforming from transparent to opaque (frosted) instantly. This offers flexibility in terms of privacy, energy efficiency, and aesthetic appeal. It can be applied in various forms, including smart switchable glass film, making it a versatile solution for both residential and commercial buildings.

### 1. Competitive Advantage in Project Design

Architects and developers face the challenge of balancing aesthetic appeal with functionality and environmental considerations. Smart glass provides an elegant solution by allowing the following:

**Seamless Privacy Control:** Smart glass enables flexible privacy options without the need for bulky curtains or blinds, offering sleek, minimalist designs.

**Open-Concept Flexibility:** Ideal for modern, open-concept designs, smart glass can divide rooms while still maintaining the option to open up spaces visually when needed.

**Luxury Appeal:** In high-end real estate, smart glass instantly conveys luxury and sophistication, making properties more attractive to discerning buyers.

### 2. Sustainability and Energy Efficiency

Sustainability is no longer a "nice-to-have" — it's a necessity. Developers and architects are increasingly tasked with designing eco-friendly, energy-efficient buildings. Smart glass directly contributes to this goal:

**Energy Savings:** Smart glass helps regulate natural light and temperature, reducing reliance on artificial lighting, heating, and cooling systems. This leads to significant energy savings.

### 3. Future Proofing Buildings with Smart Technology

Smart homes and buildings are becoming the norm. Real estate buyers and tenants are increasingly expecting advanced technology integrated into their living and working spaces.

**Smart Home Integration:** Smart glass can be controlled via remote control, enhancing the convenience and allure of smart living.

By including smart glass in your projects, you're not just building for today — you're building for the future.

## 4. Increased Property Value and ROI

For developers and builders, the primary goal is to deliver value while maximizing return on investment (ROI). Smart glass contributes to this goal in several ways:

**Premium Pricing:** Properties with smart glass are often seen as luxurious and innovative, allowing developers to command premium prices.

**Operational Savings:** Lower energy consumption, combined with reduced maintenance costs (due to the absence of blinds or curtains), can lead to operational savings over time, making properties more

## 5. Versatility Across Sectors: Residential, Commercial, and More

While smart glass is highly popular in residential projects, its applications extend far beyond homes. As a developer or architect, you can explore smart glass solutions for:

**Commercial Buildings:** Smart glass enhances meeting rooms, office partitions, and facades by providing privacy when needed without closing off spaces.

**Hospitality Industry:** Hotels benefit from smart glass by incorporating it into guest rooms, lobbies, and spas for a modern, high-end feel.

**Healthcare:** Hospitals and clinics use smart glass to replace traditional blinds, offering more sanitary privacy options and reducing maintenance costs.

This versatility makes smart glass a valuable asset in any development, expanding its potential use cases and making it a worthwhile investment.

## 6. Marketing and Differentiation

In an increasingly competitive real estate market, standing out is crucial. Smart glass provides a unique selling point (USP) that helps your developments rise above the competition:

**High-End Appeal:** Marketing your properties as equipped with cutting-edge, smart technology enhances their luxury status and attracts tech-savvy buyers.

**Visual Impact:** The sleek, modern appearance of smart glass windows and partitions can be a visually striking feature that leaves a lasting impression on potential buyers and tenants.

Highlighting these features in your marketing efforts can set your projects apart in a crowded market.

## 7. Partnership Opportunities: Why Collaborate with Us?

GOLDEN GLASS, we are committed to providing state-of-the-art electro-optical smart glass solutions tailored to your project's needs. Partnering with us offers a range of benefits:

**Customization:** We work closely with architects and developers to provide tailored solutions that fit the specific design and functional requirements of your project.

**End-to-End Support:** From design consultation to installation and technical support, our team ensures a seamless integration of smart glass into your building projects.

**Marketing Collaboration:** We provide marketing materials and co-promotion opportunities to help you showcase smart glass as a standout feature of your development.

# Glass Seaming Machine

## What is Glass Seaming Machine

A glass seaming machine and glass seaming table is a simple solution. It is an integral piece of a glass tempering and fabrication line. The glass seamer removes any sharp edges of glass by grinding each of the sides using grinding wheels. The glass can then be seamlessly transferred via a rack or dolly, depending on your manufacturing floor, to the next step of the tempering process.

## Advantages of Glass Seaming Machine

Glass Straight-line Edging Machine is suitable for processing straight-line edges and 45° angle;

Rough grinding, fine grinding, and polishing are processed at one time, and it is adjusted by a continuously variable motor;

The feeding speed can be adjusted arbitrarily during the processing; the front beam can be adjusted to process glass of different thicknesses;

The special design of the input end can effectively control the glass grinding volume without debugging each grinding motor separately;

Using chain plate rolling structure.

## Technical Parameter

Technical parameter	EDC3625
Processing Range	300x700~ 2500x3600mm
Glass Thickness	4-8mm (or 8-12mm)
Arising width	0.5-2mm
Processing Speed	12- 40 m/min/10-30m/min
Installed Power	16kw, Three-phase Four-wire, 380V /50Hz
Pneumatic Working Pressure	0.7Mpa
Working Height 900~960mm	900~960mm
Overall Size	7000x5000x2300mm
Weight	5000kg

# What is laminated glass and how is it made?

Laminated glass is two or more lites of glass permanently bonded together with one or more polymer interlayers using heat and pressure. The **glass and interlayers** are available in a variety of colors and thicknesses which provide the desired appearance and performance to meet the relevant building code standards and customer requirements.

While float glass provides an excellent base product, laminating the glass can add other properties and benefits such as safety and security, sound control, UV protection, and color. Laminated glass products make float glass suitable for today's demanding [architectural applications](#) such as: noise reduction, hurricane impact-resistance, blast mitigation, forced entry, protection from broken glass - or a combination of these.

# What are the benefits of laminated glass?

Laminated glazing can be adapted to suit many architectural projects, particularly those that require [demanding performance](#) in terms of increased safety, security (impact resistant glass), UV protection, noise reduction or a combination of these - while strongly considering the [aesthetics](#), architects desire.

## Safety and reduced risk of injury

Glass is often laminated to **protect people from glass breakage**. Laminated safety glass can be used in many different ways to provide increased safety and security.

**Laminated glass is considered as "safety glass" when it meets the requirements of the various code organizations that set standards for safety.**



## Control of noise pollution

Acoustic insulating glass adds **noise reduction to other benefits of laminated safety glass**, helping to reduce noise levels so that people can be more comfortable in their living and work spaces.



## Solution for your security concerns

**Heat strengthened and tempered glass** can be incorporated into laminated glass units to further strengthen the impact resistance. This type of laminated glass is often specified for applications where anti-intrusion or forced-entry security are concerns, ballistic and blast mitigation, and hail protection.



## UV protection properties

When architects require plenty of natural daylight to enter a building without damaging interior furnishings and fittings – laminated glass can absorb **up to 99% of the damaging UV rays which can be responsible for up to 50% of fading**. This protection means that interior surfaces and furniture are likely to last longer.



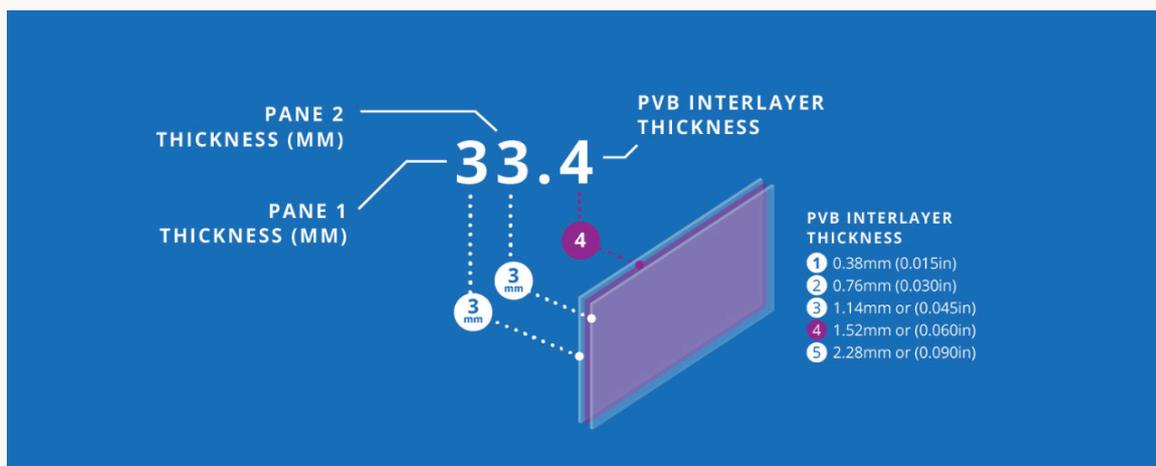
All Rights reserved

## How do we describe laminated glass thickness?

The nomenclature for laminated glass describes its build-up by considering the number and thickness of the glass panes used and the thickness of the interlayers.

**Example:** Laminated glass 33.4

All Rights reserved



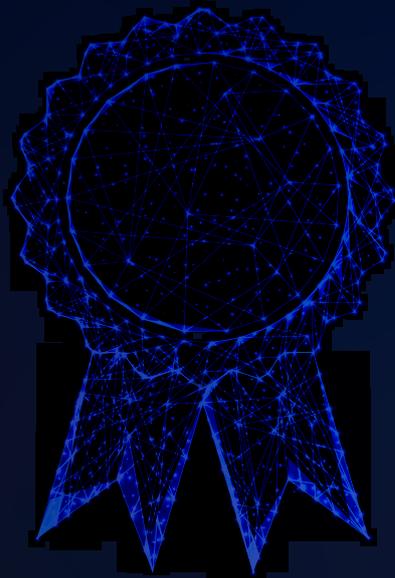
## Want to know more about glass?

Guardian Glass offers you a wealth of **technical notes, tools and online learning** to enhance your knowledge about glass and help you specify the most appropriate architectural glazing for your project

## What is laminated glass used for?

Laminated glass can be used for aesthetic reasons when you wish to add color to a façade while maintaining its transparency. However, it is primarily used for **safety or structural reasons**.

Laminated glass can be particularly beneficial when you need to reinforce **protection from forced entry, blasts, bullet-resistance**, as well as for **floor-to-ceiling glazing** that prevents people from falling outside. For structural reasons, it is specified for **skylights, canopies, balustrades, point-supported facades, and walk-on-glass**.



# ***PLANT CERTIFICATIONS***



**IMS – ISO CERTIFICATION**



# CERTIFICATE

*This is to certify that the Quality Management System of*

## **Golden Glass Company**

P.O.Box 3242, Al-Hassan Ibn Ali, Al-Rowdah, Riyadh 13213,  
Kingdom of Saudi Arabia

*has been assessed and found to conform to the requirements of*

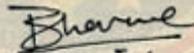
# **ISO 9001:2015**

*This Certificate is valid for the following scope*

**Manufacture and Sale of Architectural Glass Products**

Certificate No.	:AMER16707
Registration Date	:02/03/2024
Issue Date	:04/03/2024
Expiry Date	:01/03/2027
Recertification Date	:01/03/2027



  
Director

**AMERICO QUALITY STANDARDS REGISTECH PVT. LTD**

Key Location: 1910 Thomas Ave, Cheyenne, Wyoming, WY 82001, USA  
Operations Office: D 303, 104.Nisarg plaza, Bhumkar chowk - Hinjewadi road, Wakad, Pune 411057



# RAW MATERIAL CERTIFICATION

# GUARDIAN



**SELECT ADVANTAGE  
CERTIFIED PROCESSOR**

# CERTIFICATE

Saudi Guardian International Float Glass Co Ltd, Jubail Industrial City Al-Jubail, KSA, is pleased to confirm that the processor

## Golden Glass Company for Glass

Dhafrah Street/ Fozan Third Industrial City  
Riyadh, Ar Riyad 13217. Saudi Arabia



has demonstrated on 26-Aug-24 the capability to successfully process and is certified to process the following Guardian glass product

**SunGuard SN, DS, HP and ClimaGuard Products**

**for thicknesses 4,5,6, and 8 mm**

In Terms of Mechanical Treatment, Heat Treatment and Insulated Glass.

It is the sole responsibility of the processor to adequately inspect the glass before each step of fabrication and prior to installation. Failure to apply all professional standards, customary instructions and guidelines will automatically void any warranty. The processor has the full responsibility for the quality of the final product. By this certificate Guardian is not granting any warranty regarding the processor's continuing capability to adequately process Guardian's products.

Issued: 30-Apr-24

Guardian's representative:

Expiration date: 30-Apr-25



**Haidar Al Abdulbaqi**



Digitally signed by Haidar  
Alabdalbqy  
Date: 2024.01.09 12:32:57  
+03'00'

**Annex 1:**

The product(s) indicated above is (are) sold subject to Guardian's standard terms and conditions of sale and any applicable written warranties. It is the responsibility of the purchaser to confirm that the products are suitable for their intended application. Please contact your local Guardian representative should you require any additional information as to handling and fabrication of the products and for the most current product information.

Cert No. : HA090924

## RAW MATERIAL CERTIFICATION

# AGC OBEIKAN - GLASS



**AGC Obekan**

We are pleased to declare that company

**Golden Glass company**

شركة جولدين جلاس



is able to process following products in terms of pre-processing and heat treatment

**Sunlux, iplus, Stopray Smart  
Stopray Ace, Stopray Vision**

Hamza Al Naimat  
Technical Support Manager

Yanbu, Saudi Arabia, September 2024

Valid until September 2025

It is sole responsibility of the processor to adequately inspect heat treatable coated glass before each step of fabrication and prior installation. Failure to apply professional standards, customary and processing instructions available on [www.agc-yourglass.com](http://www.agc-yourglass.com) and [www.agc-obekanglass.com.sa](http://www.agc-obekanglass.com.sa) will automatically void any warranty related to heat treatable coated glass of AGC Obekan. The processor has full responsibility for the final product.



شركة جولدن جلاس للزجاج



السجل التجاري: 1010789740

### رمزك التجاري QR Code

من خلاله يمكنك التحقق المباشر من المعلومات:

- السجل التجاري
- رخصة البلدية
- شهادة السعودة
- برنامج نطاقات
- شهادة الزكاة
- الغرفة التجارية



شهادة تسجيل الشركة  
Company Registration Certificate

الرقم الموحد : ٧٠٢٨٣٥٩٨٥٤  
رقم المنشأة : ١٠١٠٧٨٩٧٤٠  
التاريخ : ١٤٤٣/٠٨/١٧ هـ

الاسم التجاري للشركة : شركة جولدن جلاس للزجاج

نوعها : ذات مسئولية محدودة

جنسيتها : سعودي

تبدأ من : ١٤٤٣/١١/١٠ هـ وتنتهي في : .....

مدة الشركة : ٣١٤٤ ، الشبيكة ، حي الحمراء ، ٦٠٧٥

مركزها الرئيسي : ٠١١٢٧٧٧٧٠٥

الرمز البريدي : ١٣٢١٧

ص.ب : ٠٠٠٠٠٠٠

النشاط : للاطلاع على بيانات الأنشطة الرجاء مسح الرمز التجاري

ملكية الشركة : سعودية

رأس المال : ١٠٠٠٠٠٠٠ ريال سعودي

وليد عبدالله محمد الصيخان 2

عبدالله محمد سليمان الصيخان 1

عبدالله محمد الصيخان 3

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سلطات المدير/المديرون : حسب ما نص عليه عقد الشركة

بأنه تم تسجيل الشركة المذكورة أعلاه بمدينة : الرياض

يشهد مكتب السجل التجاري بمدينة : الرياض

وتاريخ : ١٤٤٦/٠٧/٢١ هـ

بموجب الإيصال رقم : ٢٥٠١٢٤٣٢٤٨٧٦

وتنتهي صلاحية الشهادات في : ١٤٤٧/١٢/٠١ هـ





السادة / شركة جولدن جلاس للزجاج

نسأل الله أن يكتب لكم التوفيق والنجاح في عملكم التجاري وأن تكونوا شريكاً في تعزيز اقتصاد المملكة العربية السعودية.

## يسرنا إبلاغكم بأن رقم منشآتكم الموحد هو

٧٠٢٨٢٥٩٨٥٤

وقد تم ربطه بالخدمات الحكومية التالية..

٦٣١٣١٩٧٩٣  
رقم منشآتكم



١٠١٠٧٨٩٧٤٠  
رقم منشآتكم



٧١٨٢٩٦  
رقم منشآتكم



٢٤٥١٢٩٨-١  
رقم منشآتكم



لا يوجد  
رقم منشآتكم



٢١٠١٩٩١٨٥١٦  
رقم منشآتكم



٣٠٠٠٧٨٣٨٥١  
رقم منشآتكم



### للاستفادة من الخدمات المقدمة من الجهات الحكومية



### دليل التاجر





## Lamination Processing Guidelines

### ➤ Processing Conditions

- 1) Water Conditions:
  - Maintain water temperature at 40 degrees Celsius.
  - Ensure the water conductivity is 20  $\mu$ S or less and the pH level is 7.
- 2) Washing Brushes:
  - Use soft brushes for washing.
  - The bristle diameter should be 0.15mm.
- 3) Air Dryer:
  - Set the air dryer temperature to 40 degrees Celsius.
  - Regularly clean the air filter to ensure optimal performance.
- 4) PVB Assembly Room:
  - Control the air in the assembly room to maintain a temperature range of 20-22 degrees Celsius.
  - Maintain relative humidity between 20% and 23%.
- 5) Operator Wear:
  - Operators must wear cotton-free gloves, clothing, and head covers.

### ➤ Pressing, Speed & De-Airing (8mm clear tempered glass)

- 1) Roller 1:
  - Set the speed of Roller 0.8 to 1 m/min.
  - Maintain a temperature of 160-180 degrees Celsius.
  - Adjust the setting between press rollers to 16.5mm.
- 2) Temperature Zones:
  - Maintain a speed of a maximum of 1 m/min.
  - Set the temperature to 180 degrees Celsius.
- 3) Roller 2:
  - Set the speed of Roller two to 0.9 to 1 m/min.
  - Maintain a temperature range of 190 degrees Celsius.
- 4) Glass Exit Temperature:
  - Ensure the temperature in the middle of the glass exit falls between 65 and 70 degrees Celsius.

### ➤ Autoclave Parameters For (8mm Clear Glass)

- 1) Temperature:
  - Maintain the temperature range between 130 and 140 degrees Celsius.
- 2) Auto Clave Pressure:
  - Set the pressure range between 12 BARS To 13 BARS.
- 3) Minimum Hold Time:
  - Adjust the **hold time** based on glass thickness and type, ranging from 30 to 60 minutes.
- 4) Temperature at Release Pressure:
  - Maintain the temperature between 40 - 45 degrees Celsius when releasing pressure.
  - Autoclave Door Opening: Prior to fully opening the Autoclave door, leave it slightly open (approximately 5cm) for 10-15 minutes.





We are writing to officially inform you that, following a comprehensive testing on the samples you prepared and sent to our laboratories, **Golden Glass** has been approved as an authorized processor for Gutmann PVB products, under specific conditions and guidelines attached with this letter.

This decision comes as a result of the assessment carried out by our team, which evaluated **Golden Glass's** lamination process.

Outlined below are the specific conditions that **Golden Glass** must adhere to in order to maintain its approved processor status:

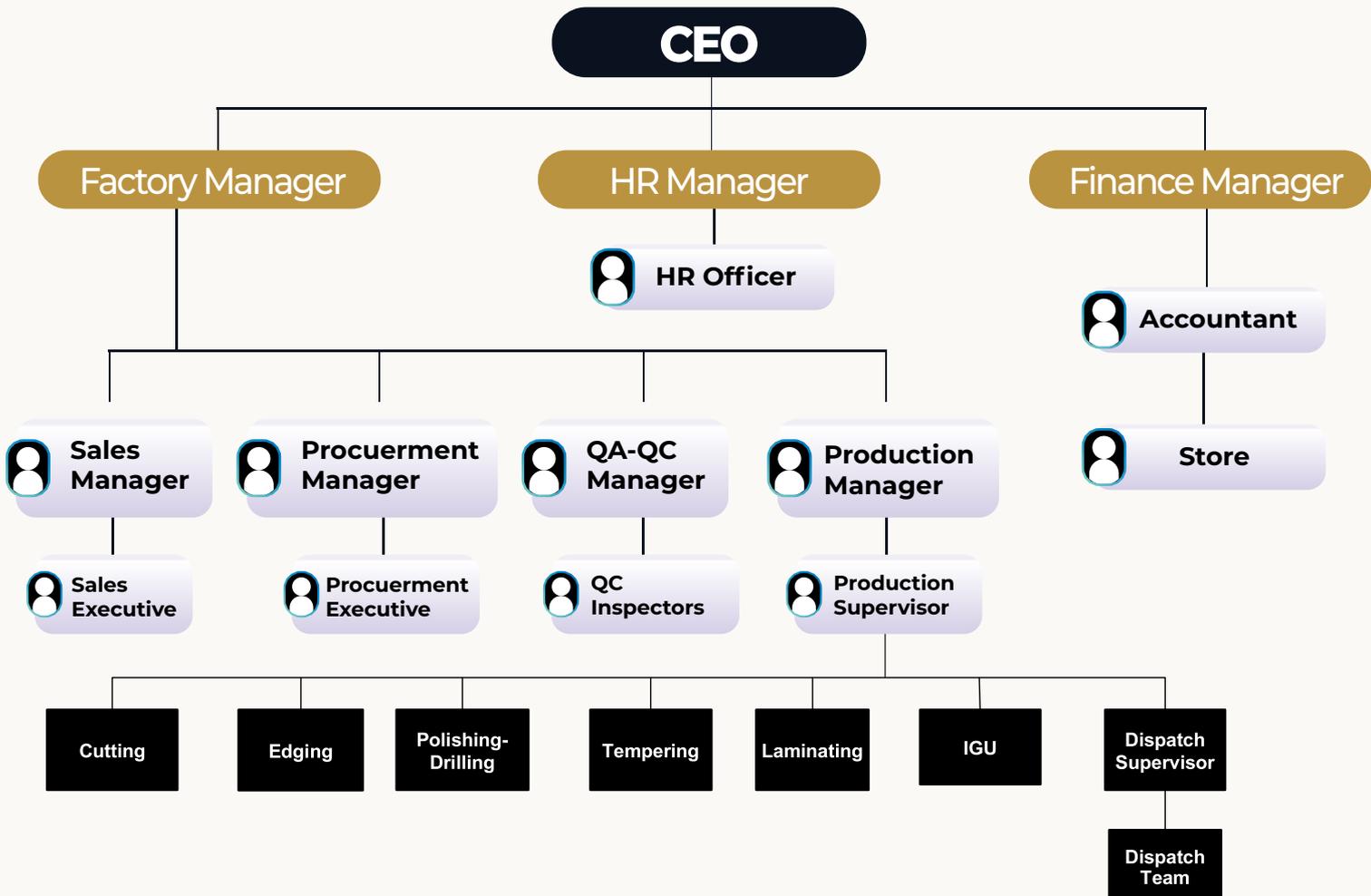
- 1- Adhere to Gutmann's specifications and guidelines.
- 2- Jersey is required to implement quality control measures throughout the processing cycle, ensuring that all products meet the defined quality standards.
- 3- Maintain documentation of the processing procedures, including records of production, testing, and quality assurance, must be maintained and made available for review upon request.





# *Organizational Chart*

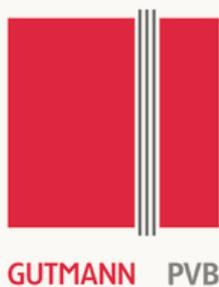






***Our  
Partners***







# ***PROJECT TESTIMONIALS***



# Marriott Hotel

Location: King Fahd Road- Riyadh  
QTY: 3800 Sqm  
Glass: SN 50 Grey



# Desalination Oasis

**GOLDEN GLASS**  
THE GOLDEN STANDARD

Location: Rabigh-Jeddah

QTY: 5500 Sqm

Glass: HD Bronze + 90% Argon Gas



# Virva Mall

Location: King Abdulaziz Road- Riyadh  
QTY: 1800 Sqm  
Glass: Neutral 70



# Kudu business Hub



Location: Northern Ring Road- Riyadh

QTY: 3700 Sqm

Glass: DS Bronze



# Axis Commercial Center

Location: Al Thumamah Road- Riyadh  
QTY: 8000 Sqm  
Glass: SN 40



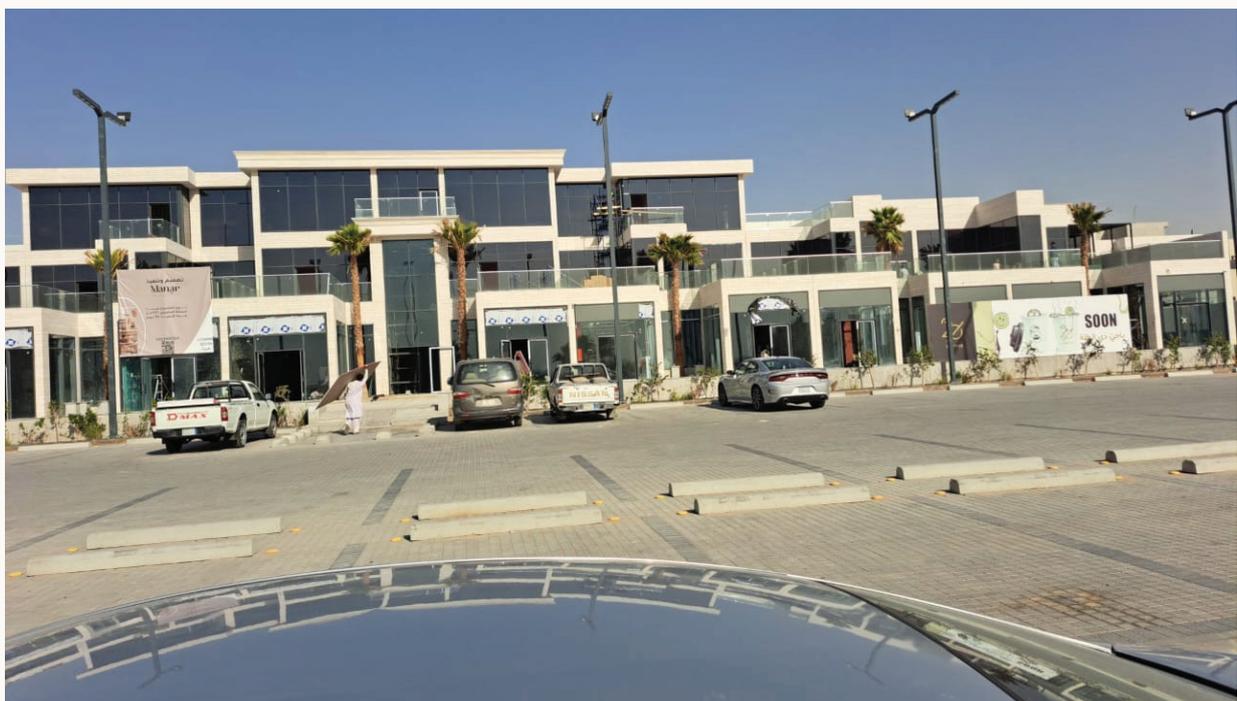
# Liora Hotel

Location: Al Olaya Road- Riyadh  
QTY: 2000 Sqm  
Glass: HD Bronze



# The Level

Location: King Abdulaziz Rd- Riyadh  
QTY: 2000 Sqm  
Glass: HD Bronze



# Qasr Al Awani Commercial



Location: Northern Ring Rd- Riyadh  
QTY: 2000 Sqm  
Glass: HD Grey Plus



## قائمة ببعض المشاريع التي تم تصنيع و توريد زجاجها من قبل شركة جولدن جلاس

### شركة المقاولات

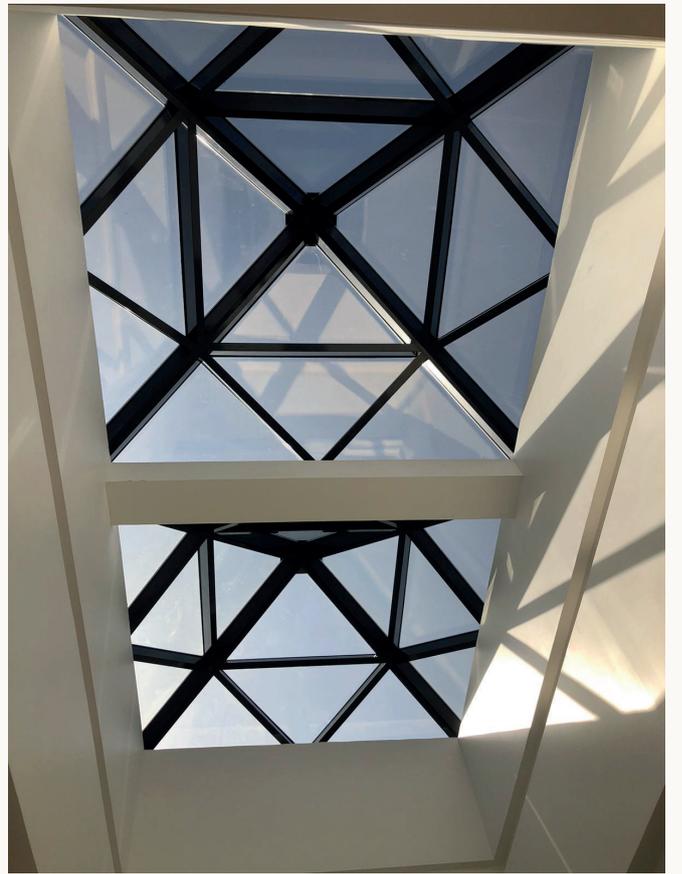
اساس التماسك للالمنيوم  
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شركة ابو خمسين للالمنيوم  
شركة علاء الاعمار للالمنيوم  
شركة الدولية للمقاولات  
شركة القمم المتعددة  
شركة انفال الشرق  
شركة الافكار المعدنية  
شركة اساس التماسك للالمنيوم  
شركة شزن للمقاولات  
شركة الفنار للالمنيوم  
شركة ابو خمسين للالمنيوم  
شركة الدولية للمقاولات  
شركة الفن المعدني للالمنيوم  
شركة الدولية للمقاولات  
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شركة اعمار الجنوب  
شركة ابو خمسين للالمنيوم

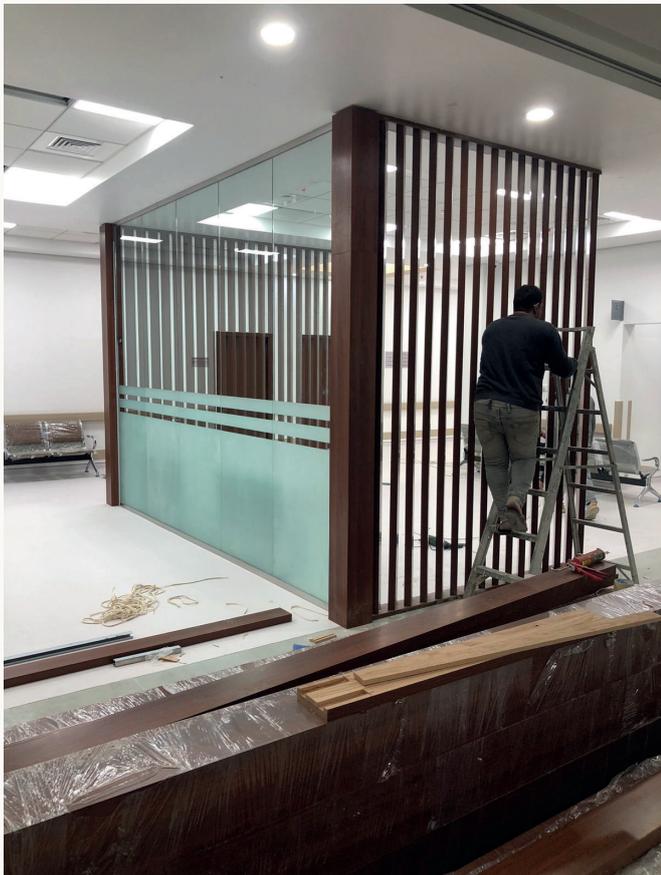
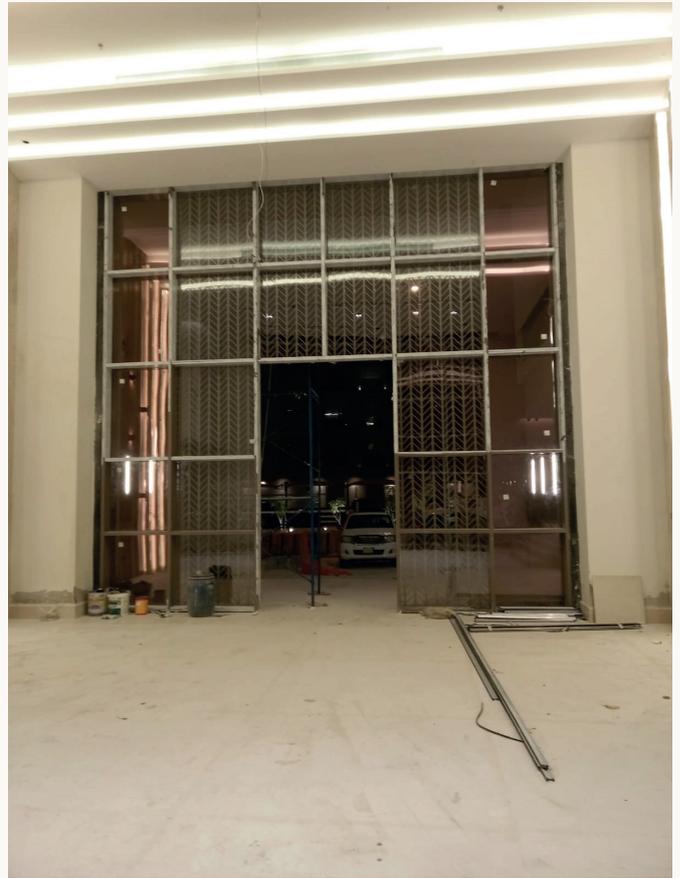
### الموقع

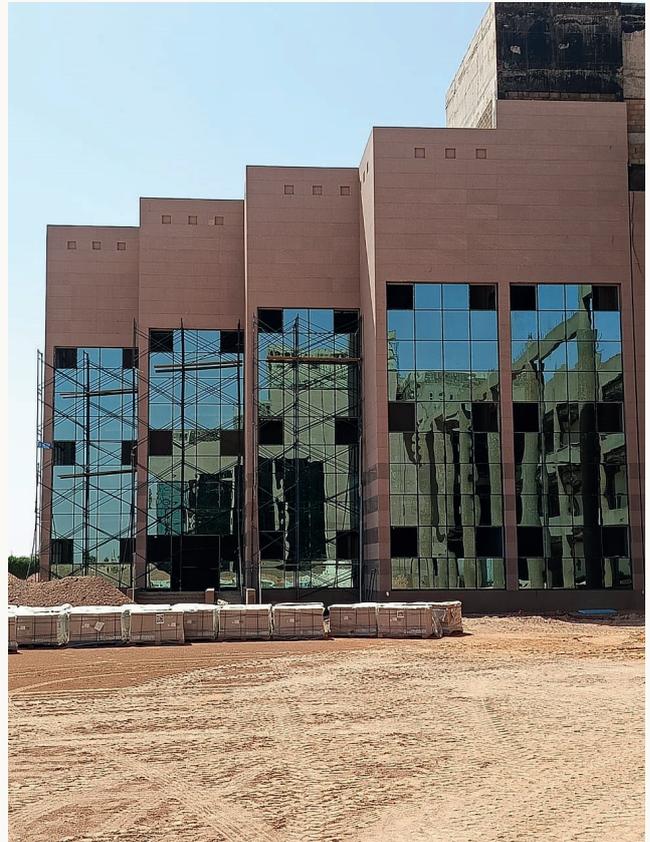
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المملكة العربية السعودية  
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الطائف  
الرياض  
الرياض  
الباحة  
الرياض  
الرياض  
جازان  
الرياض  
تبوك  
الرياض  
جازان  
الرياض

### أسم المشروع

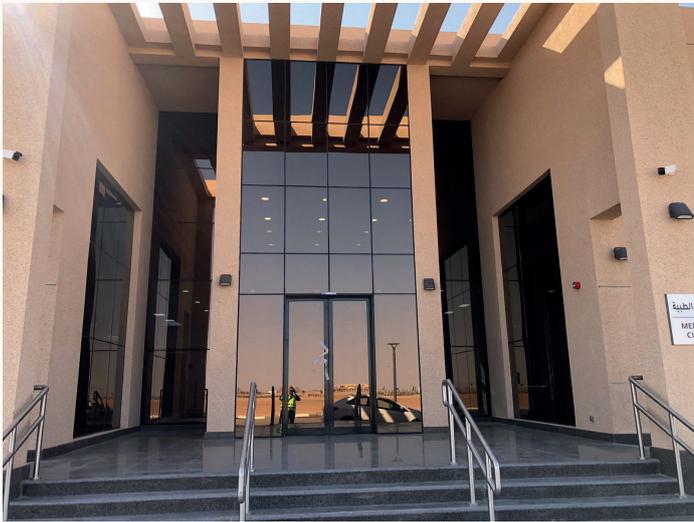
فندق الشاهد  
مشاريع وزارة الداخلية  
مشاريع جامعة الإمام سعود  
مبنى صندوق الاستثمارات العامة  
مشاريع جامعة الحدود الشمالية  
مشاريع جامعة شقراء  
مشاريع اسكان الطائف  
مشاريع البوليغارد  
مشاريع عمارات شركة مكين  
مشاريع اسكان الباحة  
مشاريع فلل توباز  
مشروع فلل اصالة  
مشاريع اسكان جازان  
مركز الملك عبد الله المالي  
مشاريع اسكان تبوك  
مشاريع اسكان المشرقية  
جامعة جازان  
مشاريع فلل اصالة



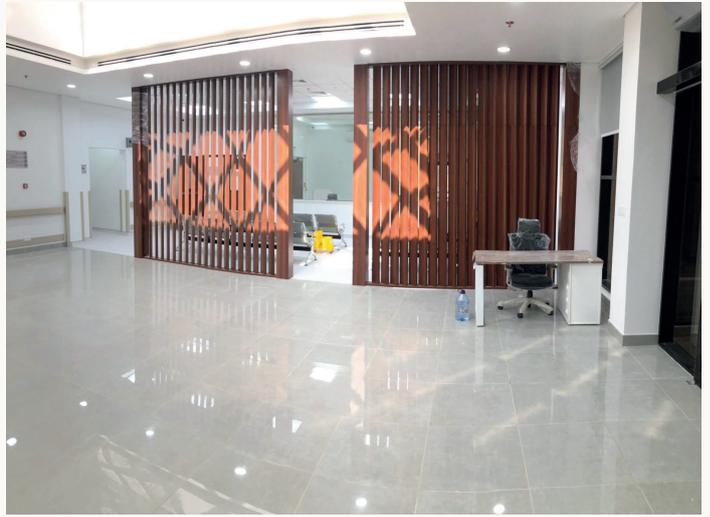




















**GOLDEN GLASS**  
THE GOLDEN STANDARD

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Industrial Area, Riyadh, Saudi Arabia

 Phone: +966 1234 5678

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 Website: [www.goldenglass.com.sa](http://www.goldenglass.com.sa)

