



Total Glass Solution



## ABOUT US

Shree Rang Glass started operation in late 1990's as a small but aspiring state-of-the-art glass designing unit. Today, after one and a half decade we have grown into a Total Glass Solution company with versatile and diversified glass products. Today we take pride in being one of the leading Glass Company in India and the largest Glass Company in Gujarat.

Our Glass products includes Toughed Glass, Laminated Glass, Insulated Glass, Reflective Glass, Tinted & Clear Float Glass, Glass Blocks, Figured Glass, Stained Glass, Bend Glass, Architectural Glass, Aluminium Composite Panels and range of Glass Furniture.

Our state-to-the-art production facilities spread in 50000 sq. ft., houses various production machines from Italy, Germany and China; quality control instruments; warehouse and design studio. Our Toughened Glass production line is currently one of the largest in Ahmedabad.

Our Management Team comprises of executives with a synergistic blend of experience and expertise in the field of glass technology. Today we work with clients providing Total Glass Solutions and extensive services to achieve their goals by providing innovative solutions by understanding their needs and improving profitability. Our success can be attributed to our policy of providing innovative, effective and high-quality products and solutions to meet specific customer needs with continuous research and product development. We at Shree Rang Glass believe in putting the customer and his requirements first; timely delivery, superior products, after sales services and competitive prices, further strengthen this fact. We are dedicated to making a significant contribution to products and services that exceed expectations for value, consistencies, reliability and environment safety.

### Our Vision

**We will be India's top Glass Company, with particular focus on Toughened Glass, Laminated Glass & Insulated Glass**  
**We will offer products and services in areas where we can make a difference**

Our aspiration is to provide Total Glass Solution by finding better methods of applications and work actively to promote collaboration between all parties in the industrial sector in order to achieve our common goals.

### We will achieve competitive business results

Our focus is our strength. We will stay independent and form alliances whenever they serve our business purpose and the cause we stand for. We are committed to being there for our customers whenever they need us. We will be innovative and effective in everything we do. We will attract and retain the best people by making our company a challenging place to work.

### Our values are expressed in all our actions

Every day we strive to find the right balance between compassion & competitiveness, the short & the long term, self and commitment to colleagues and society, work & family life.

### Our history tells us, it can be done...

### Our Mission

Our prime mission is to meet our customers' needs for quality products and services. This implies identifying and solving their problems, intensifying contacts with them, listening to what they say and anticipating the future needs of the market. We are committed to comply with the requirement and to continually improve the effectiveness of management systems for enhancing customer satisfaction. We want to be innovative, and see change as an opportunity. Being active in glass-technology field, we must recognise new trends at a very early stage and be open to unconventional ideas. We see complacency as a threat. It is therefore our policy to encourage everywhere in the company the curiosity needed to be open to the world and to welcome change.





## SRG TOUGHENED GLASS

SRG Toughened Glass is made by thermal process to increase the basic strength of float glass. The float glass is heated to approx. 700°C which is close to its softening point in a horizontal furnace and then flash cooled by air. The surfaces get cooler fast than the core where the surfaces are placed in compression. Due to this tempering process induced stress is produced, which results in additional strength and resistance to the thermal stress and impacts. This process does not alter the visible light and solar radiation properties of glass. Before the possibility of breakage, loads like wind pressure, foreign object impact and heat stress will need to overcome this compression. We have one of the largest and state-of-the-art flat toughening plant in Gujarat having capabilities of producing max. size of 2440mm X 3660mm with a range of thickness from 4mm to 25 mm.

The key features of SRG Toughened Glass are:

### Strength

SRG Toughened Glass is 4-5 times mechanically stronger than float glass of the same thickness and type which is mainly due to stress on the surface layer of the toughened glass. Compressive surface stresses close microscopic cracks giving the glass much more strength.



### Temperature Variation & Resistance

SRG Toughened Glass is approx. 3 times temperature resistant as compared to normal glass. A sudden change in temperature of 40°C - 50°C will usually break normal glass. SRG Toughened Glass has capability to withstand temperature changes upto 150°C and will not break. This feature is very important for architectural glass used in facades.

SRG Toughened Glass can withstand temperatures upto 300°C.

### Safety

When normal glass breaks it forms sharp knife-like fragments. On the contrary, when SRG Toughened Glass breaks it forms small and harmless pieces which usually do not cause injuries. Further more, the breaking pattern of toughened glass can be classified as safety glass.

### Applications of SRG Toughened Glass:

- Glass Facades
- Windows
- Frameless Doors
- Structural Glazing
- Shower Cubicles
- Bathtub Enclosures
- Escalators side panels
- Capsule Lifts
- Sliding & Swinging Doors
- Partitions
- Furniture & Interior Decoration



## SRG LAMINATED GLASS

SRG Laminated Glass is made up of 2 or more glass sheets with an inner layer of EVA film to which glass adheres to if broken. Once sealed together, the glass "sandwich" behaves as a single unit and looks like a normal glass. Float, heat strengthened or toughened glass can be used to make laminated glass. The main areas of application of such glass are for safety glazing, sound reduction and reduce heat gain.

SRG Laminated Glass provides durability, high performance and multi-functional benefits while preserving the aesthetic appearance of the glass. SRG Laminated Glass provides solution of various architectural design problems while offering increased protection from natural calamities like hurricanes, earthquake and explosions.

To make the laminated glass decorative, a LED film can be added in addition to the inner layer of EVA film.

We have a state-of-art flat lamination plant in Gujarat having capabilities of producing laminated glass which can be bent, annealed, toughened, heat or chemically strengthen, wired, patterned, tinted and made reflective. We use high performance EVA film which can be laminated between easy-cleaning glass outerlayers. SRG Laminated Glass is available in range of thickness and colours, which can be used on interior and exterior panels, ceiling and floors. It is easy to install and can be cut, drilled or notched on-site. The EVA film offers high strength-to-weight ratio in stiff new interlayers, as it remains self standing even after breakage in point fixture or single edge mounted architectural applications.

**The key features of SRG Laminated Glass are:**

### **Safety**

SRG Laminated Glass does not shatter like ordinary glass. The tough, clear interlayer absorbs impact, resists penetration, and remains intact even if broken, holding glass fragments in place and lowering the risk of injury.

### **Security**

Many residential and commercial break-ins are made through windows and glass door panels. SRG Laminated with EVA film offers some of the world's most secure interlayer technologies for greater strength and stiffness against attack. Depending on thickness, security glass laminated with EVA film interlayers can protect against fire, earthquakes, bomb blasts and resist bullet penetration from high-powered rifles.





**Sound Reduction**

SRG Laminated Glass is an excellent barrier to noise. This makes it ideal for airports, hotels, recording studios, and any building near airports, highways or train lines.

**Solar Energy Control**

SRG Laminated Glass can be tinted to reduce heat gain, control glare, and lower air conditioning expenditures.

**UV Control**

Ultraviolet light is the leading cause of deterioration and fading of furnishings, pictures and fabrics.

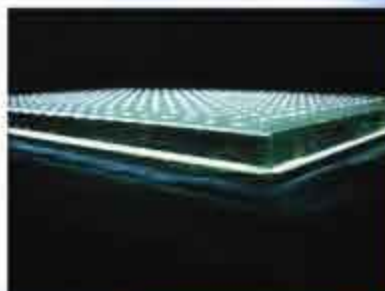
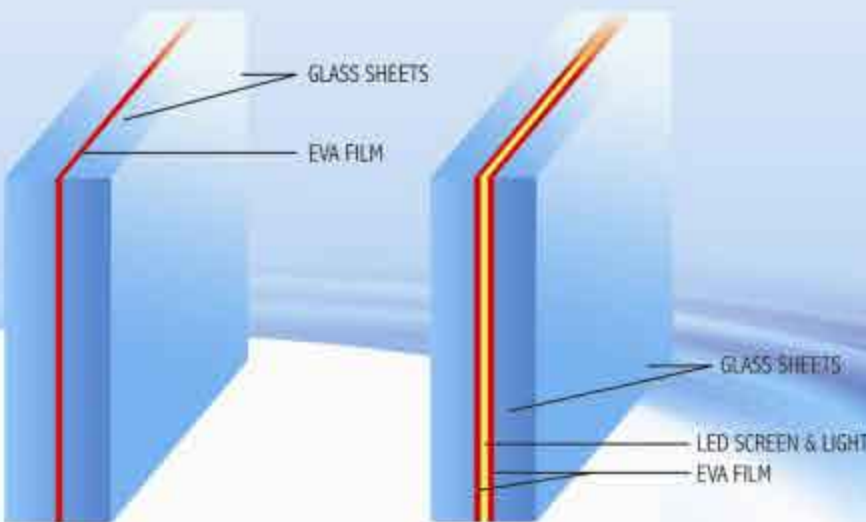
SRG Laminated Glass can be manufactured with UV-absorbing additives that can screen out almost all damaging UV rays without affecting the visible light essential for visibility.

**Durability**

Unlike film overlays or other stick-on window protection, SRG Laminated Glass interlayers from EVA films are built right in at the glass factory, staying permanently in place and resisting peel or delamination.

**Applications of SRG Laminated Glass**

- Sloped/Overhead Glazing
- Museums, Government Buildings, Banks, Airport
- Jewellery Stores, Hotels, Night Clubs, Discotheques, Banquet Halls
- Safety Glazing Applications
- Schools, Hospitals, Hotels
- Interior Partitions, Office Building



## SRG INSULATED GLASS

SRG Insulated Glass units are hermetically sealed combinations of two or more sheets of glass separated by a dehydrated airspace. Desiccated spacers are dual-sealed with polyisobutylene primary sealant and an organic or silicone secondary sealant, depending on the project specifications and the application. Argon gas-filled Insulated Glass units are available to further improve the insulating properties (reduce the U-Value) of a standard air-filled Insulated Glass unit. The glass sheets of an Insulated Glass unit can be annealed, heat-strengthened, tempered or laminated, as needed, to meet building code requirements, safety glazing standards & design requirements. The sheets of an Insulated Glass unit can be of equal or unequal thickness. With the latest technology & equipment, we guarantee high-quality and excellent precision insulated glass. Our modern, pollution-free environment ensures that our product is completely free from all imperfections & defects. We use high-performance dual-seal insulated units for all our insulated products to ensure that you receive only the best quality products. Our automated insulating line allows us to produce high quality units with consistent sight lines and bent corner spacer, which insures unit integrity. SRG Insulated Glass also offers a choice of secondary sealant, providing versatility in product application and assuring maximum strength and protection from stress and extreme temperatures.



The key features of SRG Insulated Glass are :

### Energy Saver

SRG Insulated Glass will effect into a substantial cut down on electricity bills. Since it reduces heat transmission, the load on air conditioners in summers and on heat converters in winters is considerably lessened, thus conserving energy and reducing electricity bills.

### Heat Insulation

SRG Insulated Glass retards the transfer of heat, resulting in 'heat loss' during summer and 'heat gain' during winter. The use of high quality sealants ensures the screening of harmful ultra-violet rays allowing only harmless natural light to enter the indoor area.

### Sound Insulation

Use of SRG Insulated Glass greatly reduces noise pollution. This is the result of the combination of glass and the air gap.

### Design Flexibility

SRG Insulated Glass allows for design flexibility with combinations of varying thickness and glass types to suit the requirements of individual performance levels.

Prevention of dew condensation with SRG Insulated Glass the insulating effect of the air layer makes it difficult for the glass to become cold and is consequently harder for dew condensation when there is temperature difference inside and outside the room.

### Applications of SRG Insulated Glass

- Office buildings, hospitals, hotels, houses and buildings with exceptionally high heating or cooling requirements.
- Airports and buildings near highways and railways that require sound insulation.
- Buildings that need to have the temperature and humidity strictly controlled such as telephone exchanges, laboratories and computer rooms.
- For use in airport control towers, train windows, vending machines and other environments that need regulated atmosphere and prevention of condensation.





## WATERJET MACHINE

SRG has taken great strides to be the industry leader in glass technology and glass products. Our cutting department reaffirms this fact.

We have installed the state-of-the-art CNC omnipotent machine tools which are applied for cutting any patterns of various materials like metal, stone ceramic and glasses.

Our new Water Jet Machine, the first of its kind in Gujarat is used for top-notch glass cutting with high speed and high precision. In comparison with the traditional diamond cutting system our Water Jet Machine has various advantages such as flexibility, high accuracy, working on any material, lack of heat generation, etc. From cutting of intricate stained glass to piercing holes in glass, we provide versatility cutting options with our Water Jet Machine



## OTHER PROCESSING FACILITIES

Manufacturing & Processing of Architectural Glasses on Hi-tech Machines...



Glass Cutting Machine





Straight Line Beveling Machine



Multi Function Double Edger



Straight Line Edging Machine



Bend Furnace

Shape Beveling & Shape Profile Machine



# PRODUCTS



Corner Shelf



Storage Shelf



Console



Corner Table



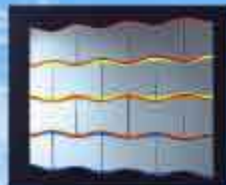
Centre Tables



Shelf



Decorative Mirrors



Office Table





TV Console



TV Console

Glass Painting



Acid Etching Glass



Glass Painting



Dining Tables



Fused Glass



Decorative Glass Corner



Office Glass Furniture





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