



**Jay Khodiyar**  
**Toughened Glass Pvt. Ltd.**

Leave the  
Glass To us



## Welcome to Jay Khodiyar Glass

### ABOUT US

With a thought to manufacture TOUGHENED Glasses in a pollution free manner, we came up with our venture, JAY KHODIYAR TOUGHENED GLASS PVT. LTD.

A leading manufacturer of Toughened Glasses in various Sizes, located at Palsana – Kalol, Gujarat. Our Plant is capable enough to carry out 5000 Sqft. toughened glasses per day.

After successfully achieve the excellence, we are going to take a leap, and coming up with fully automatic toughened glass plant. All directors are ready to serve the industry with exceptional quality glasses. Glasses which can be used for Residential, Commercial building for making exterior elevation as well as interior Glass partition.

We are also planning for designer glass like frosted glass, Acid work glass, NR glass etc. State of the art Plant, transport management system and honesty are our foundation stone.

With immense knowledge of engineering, JK tuff / JAY KHODIYAR TOUGHENED GLASS PVT. LTD., is ready with best quality glasses.

### VISION

Eyes are focused on vision to provide best quality Glasses to the state and to country. To be recognized as the most valuable glass manufacturer.

### MISSION

To provide different varieties and sizes of glass.  
To be more environment friendly.

### DIRECTORS MESSAGE

Jay Khodiyar Toughened Glass is our brain baby. Our motto is not only to produce quality glasses but also in a pollution free manner. All of us are bound to the society to provide and manufacture the best.





JK tuff is made as per the customer requirements, Process starts from cutting as per size then Grinding/Polishing & fabrication of edges comes in effect. The glass comes to the washing machine for cleaning of glass sludge removal and finally the glass loaded into a furnace that has a bed with oscillating rollers. The glass is heated at around 700°C under the supervision of smart computer control by PLC. The glass is moved into the quench area where it comes forced cooling by a series of high pressure air nozzles. This rapid cooling or quenching induces high stress on the glass surface, while the center remains in tension with minor changes. Although the physical characteristics remain unchanged, the additional stresses created within the glass increase its thermal and mechanical strength by 80% comparing to raw glass.

We have one of the largest toughening plant in Gujarat having capacity of producing the maximum Glass size of 2440mm X 4270mm with a range of thickness from 4mm to 25mm and has facility to perform process for high profile glasses of KT/ST series.



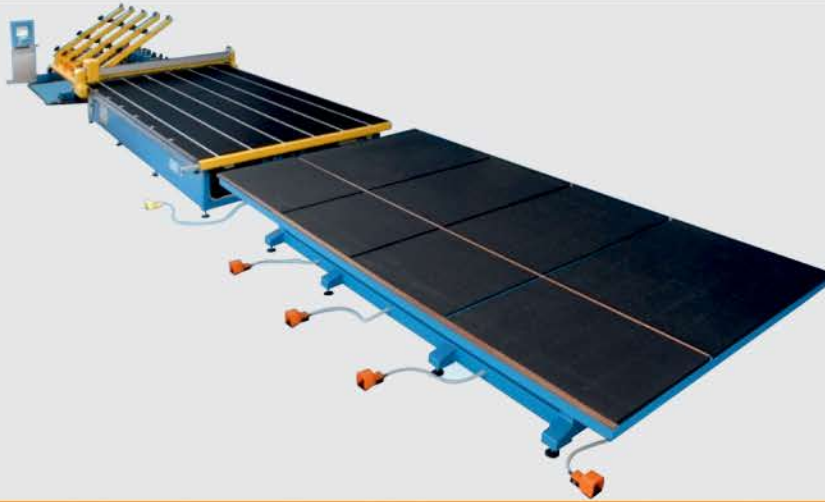
JK Toughened Glass is 4-5 times mechanically stronger than annealed glass and is about three times more resistant to rapid temperature changes compared to ordinary glass. When broken, it shatters into small cubical fragments rather than irregular shards of glass and therefore is less likely to cause serious injuries. It withstands temperatures of up to 300°C.

### APPLICATION OF JK TOUGHENED GLASS

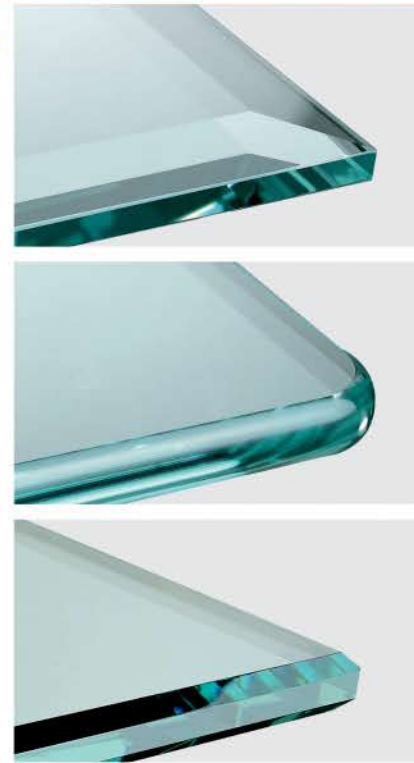
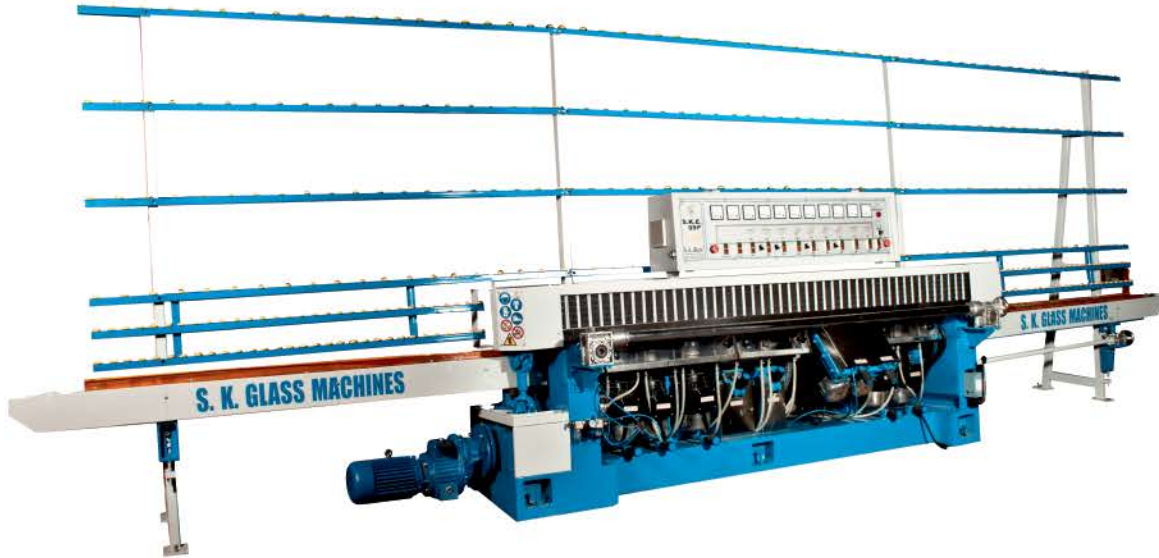
- Shop fronts
- Stair and escalator side panels
- Glass elevators
- Frameless doors & windows
- Furniture (table tops, shelves, Showcase, Partitions etc.
- Structural Glass



# Cutting Machine



# Glass Straight Line Automatic Edging Machine



# Washing Machine





# Automatic Loader Machine



# Drill Machine



Tools , Drill & Wheel









**Jay Khodiyar**  
**Toughened Glass Pvt. Ltd.**

Registered Office :

Opp. Green Valley, Jaspur - Kalol Road, Palsana,  
Ta. : Kalol, Di. : Gandhinagar Pincode : 382721

Branch Office:

5, sahjanand Complex, Nr. Helmet Circle,  
132' Ring Road, Ahmedabad.

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Contact Number : +91 2764 284301/02 | Fax : +91 2764 284303  
Email : [jktough2012@gmail.com](mailto:jktough2012@gmail.com) Web : [www.jaykhodiyarglass.com](http://www.jaykhodiyarglass.com)