

مصانع قطر للزجاج  
qatarglassindustries

# Inspiring new possibilities in architectural design.

**Qatar Glass Industries** was established in 2007 to ensure a consistent supply of high quality, high-performance glass that meets the rapidly expanding needs of the design and building industry in Qatar. The company's mission is to provide Qatari architects, and the construction and fabrication industries with advanced, high-performance glass products that comply with international quality and safety standards, together with the flexibility and a delivery schedule to satisfy local needs that only local manufacture, processing and support services can deliver.

To meet these robust criteria, QGI has created an international-standard production facility, featuring state-of-the-art equipment from the respective leaders in their fields of glass processing, tempering and double glazing. Staffed by highly qualified management and experienced technicians, this new facility has ample processing capacity capable of satisfying the rapid current growth and anticipated demand for glass by major projects, commercial and residential buildings in Qatar, for several years to come.





### **Advanced technology, state-of-the-art products**

QGI's state-of-the-art equipment provides architects with a range of technically and aesthetically advanced glass that fulfil the needs of contemporary designs and performance standards. Our all-new facility with state-of-the-art machinery is equipped to satisfy the various demands for high-performance glass by offering a range of glass types, finishes and finishing processes. Our outstanding production line includes:

- **Tempering and heat-strengthening line:**

Tamglass of Finland supplied the latest Pro-E convection furnace, capable of high-capacity production of the best quality optical vision glass, including super Low-E and high-performance soft-coated tempered glass.

- **Cutting line:** Lisec of Austria supplied a flat glass cutting production line equipped with automatic transport and positioning.

- **Insulated double-glazing line:** Lisec in Austria supplied the latest advanced technology, high capacity insulated double-glazing line.

- **Glass processing machines:** Advanced machines supplied by Schiatti, Lovati, and Beltex in Italy enable quality machine edging, shape edging, drilling and arising.

- **Automated sandblasting machine:** Supplied by Dynamiki in Greece enables the mass production of decorated and textured glass.

### **A new range of design possibilities**

While meeting the demands of commercial and residential projects, QGI is well positioned to meet the complex demands and large quantities of specialist glass required for major projects such as tower facades and entrances, as well as custom glass applications to fulfill contemporary architectural designs such as shop fronts, interior glass partitions, glass stairs with associated stainless steel accessories, glass balustrades, panoramic glass elevators, artwork and decorative glass. These services enable QGI to meet the needs of architects, contractors, window fabricators, interior designers and independent clients for state-of-the-art glass and special glass finishes.

### **High performance products, excellent service**

At QGI, we focus on providing all our clients with the technical support they require to apply the latest breakthroughs in glass processing offered in our product range and services, to their current and future projects. We look forward to expanding the possibilities for incorporating the qualities and aesthetics that high-performance glass can bring to major projects and buildings in Qatar.



# State-of-the-art systems. Outstanding quality.



## Tamglass Pro-E convection horizontal tempering furnace

QGI has installed a large-capacity furnace from Tamglass of Finland capable of manufacturing the large sizes and quantities of architectural glass required for major projects. Tamglass are the world leader in manufacturing machines for producing safety glass, with the world's largest installed base of flat tempering furnaces.

The furnace's Pro-E convection system is suitable for flexible production of not just super Low-E and Low-E glass, but all types and sizes of glass including coated, coloured, thick and thin glass. It sets the quality and performance standards for competitive, contemporary and future tempering of advanced architectural glass.

## Lisec flat glass cutting line

Precise glass cutting is critical to ensure quality glass in later stages of manufacture. The flat glass cutting line from Lisec of Austria provides outstanding accuracy, consistent quality, and good process capacity.

The fully automatic cutting line ensures safe and easy handling of large glass sheets, and precise cutting operation. The use of an intelligent operations system virtually eliminates the possibility of error, to ensure highly consistent quality. Our cutting line comprises a free-fall loading rack system and automatic GFB-cutting table, followed by the break-out table.



## Lisec insulating double-glazing production line

In Qatar, insulated glass offers direct benefits in the cooling and heating of buildings, and for this reason has become the glass of choice in a wide range of applications. Lisec of Austria is a world leader in research and development in the manufacture of insulated glass production lines.

Our highly efficient insulated double-glazing production line from Lisec provides the highest quality insulated glass, offering architects and developers a new range of light enhancing, energy efficient solutions for new buildings.



## Bent spacer frame

Lisec of Austria was the forerunner in the area of bent spacer frame production and continues to set the standard for advanced technology and quality. Our spacer frame production machine is capable of fabricating frames with perfectly bent corners from profiles of different origin. This line is comprised of a profile magazine, endless connecting device, automatic bending machine and a single-head desiccant filling station.

### Schiatti edging, polishing and mitring machine



The Schiatti SME 10B is a vertical straight line edging machine for producing flat edges, arrises and mitring. Designed and built to offer state-of-the-art glass processing, this grinding machine has 10 wheels comprised of two flat diamond wheels, three bakelite polishing wheels, one cerium oxide wheel for fine polishing, two arris diamond wheels, and two arris polishing wheels. It is capable of arrising variable angles from 0 degrees to 45 degrees, to produce high-quality edging finishes.

### Dynamiki sandblasting machine

The sandblasting machine from Dynamiki in Greece enables the creation of textures, patterns and designs on glass. A touch screen controlled robot controls the solid structure machine with 4 guns boron carbide nozzles (3 automatic and 1 manual) to ensue highly accurate, consistent and high-quality replication of designs onto glass. This machine is capable of sandblasting glass in a range of sizes from small to extremely large, and from 3mm to 50mm thick.



### Vitrododi Beltex 111

This state-of-the-art machine is used to arris edges on both straight and shaped glass sheets. Its crossed belt enables simultaneous execution of symmetrical arrises on two edges of a glass pane in order to reduce cracking or breakage, and for safe handling of the glass sheet.



### Lovati shape edging machine

The Lovati LOV-1000 is a semi-automatic machine for grinding the bevel and edge on shaped glass with internal curves, external curves, straight-line sides and mitred corners. It does not require a template, has a central plateau to support the glass, and can bevel angles from 0 degrees to 45 degrees. It can stack up to three diamond wheels and one polishing wheel on the spindle to grind and polish glass edges with different thicknesses, without manual changing of the wheels. It can grind the bevel on round, flat or OG profile glass up to 25mm thick.

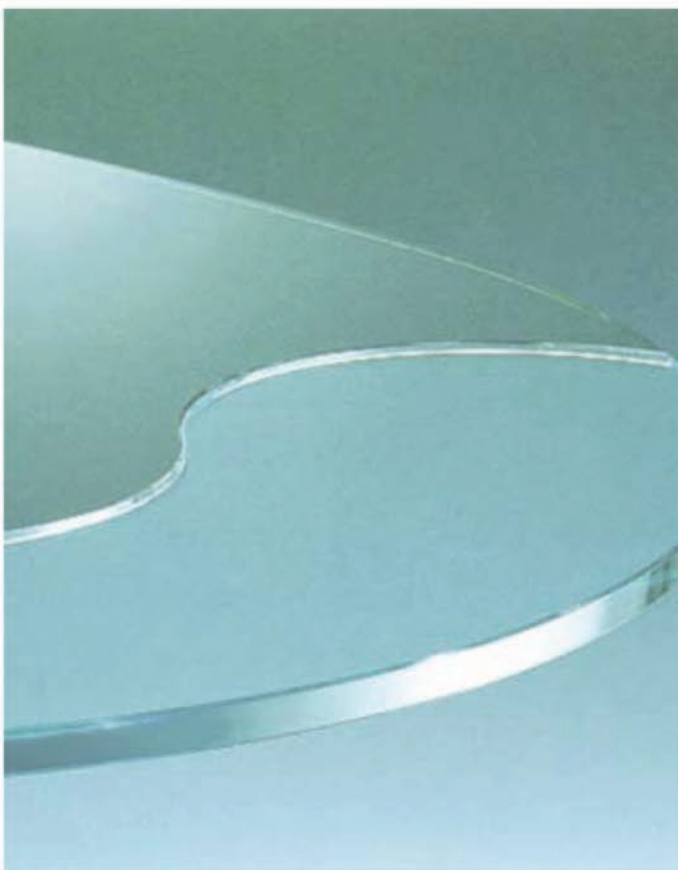
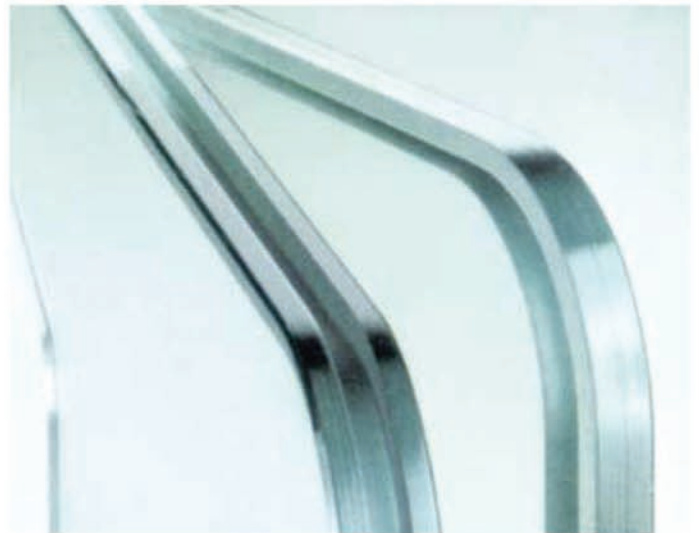


### Schiatti drilling machine

QGI uses a Schiatti FPD 60 drilling machine from Schiatti in Italy for drilling precision holes to create points of attachment and meet other specialised drilling needs for architectural and structural glass. This machine features a double head characterised by a strong structure and ease of use, guaranteeing high reliability and durability over time. It can drill holes in glass sheets from 2mm to 28mm thick.

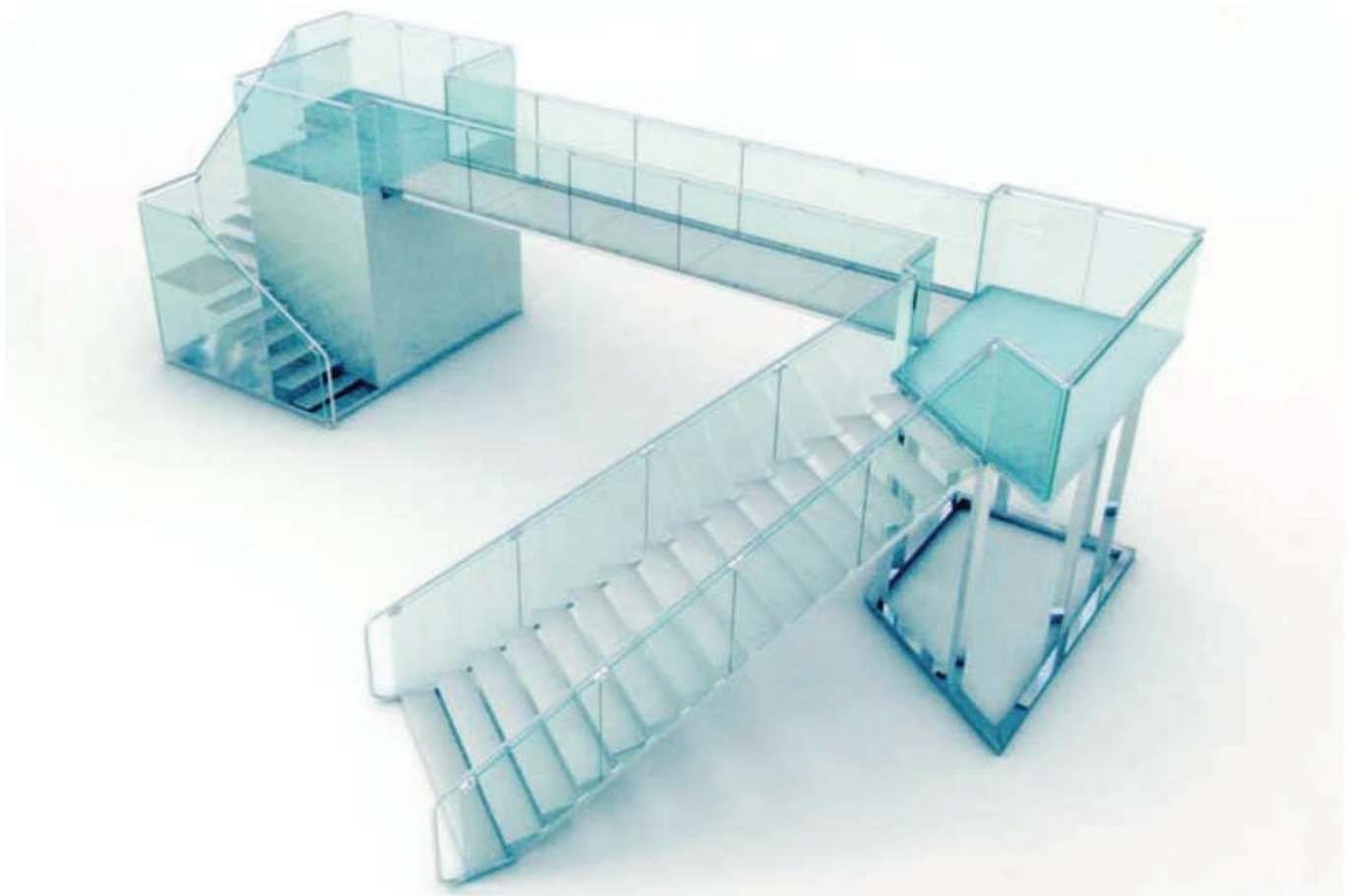


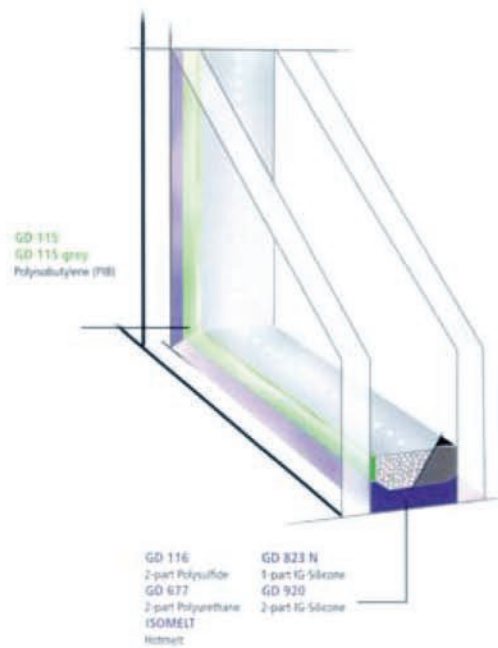
- **Automated glass cutting** for straight & shape cutting.
- **Heat strengthened & tempered glass** of high performance reflective & solar energy (Low-e) glass applicable where safety glazing is required, extreme wind loads, shop fronts and fireplace enclosures.
- **Processed glass treatment:** edging, drilling, bevelling, shape edging all according to customers requirements.
- **Frameless shopfronts**, glass facades, partitions, shower enclosures, fireplace enclosures, frameless doors with different assemblies, glass stairs, glass balustrades and panoramic glass elevators.
- **Bolted glass** for spider shopfronts facades in different applications according to the designed requirements.
- **Sandblasted patterned glass.**
- **Insulated double glazed units** suitable for residential and commercial glazing such as: compounds, villas and towers.
- **Decorative glass & mirrors** of various shapes and designs.
- **Ceramic color tempered glass.**
- **Ultra- Violet( UV ) glass bonding.**











# Looking to the future

Not content with providing these products and services for the first time in Qatar, QGI has already begun a continuous commitment to meet present and future market needs, with plans in the near future to introduce additional state-of-the-art machinery to enable glass lamination, curving and tempering, heat soak testing, silk screening, as well as the production of gas-filled double glazing units.

We look forward to incorporating the latest and the best the world of glass has to offer in the future buildings of Qatar.



