

TECNOGLASS



The Power of Quality

Bent Glass by TecnoGlass

TECNOBEND

Quality has
no boundaries.



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For the last 20 years, Tecnoglass has been producing high quality glass and exporting to numerous countries in North, Central, and South America and the Caribbean, from our state-of-the-art factory in Colombia.

Our company that is already a leader with over 160 million sales per year now offers you TecnoBEND, the latest and most advanced technology from Glaston.

One of our primary goals is to continue investing in state-of-the-art glass fabrication equipment, being the leader in glass quality, and developing successful partnerships on projects around the world. The new Glaston glass bender has specific design features which allows for us to successfully bend high performance MSVD Low-E coated and uncoated glass.

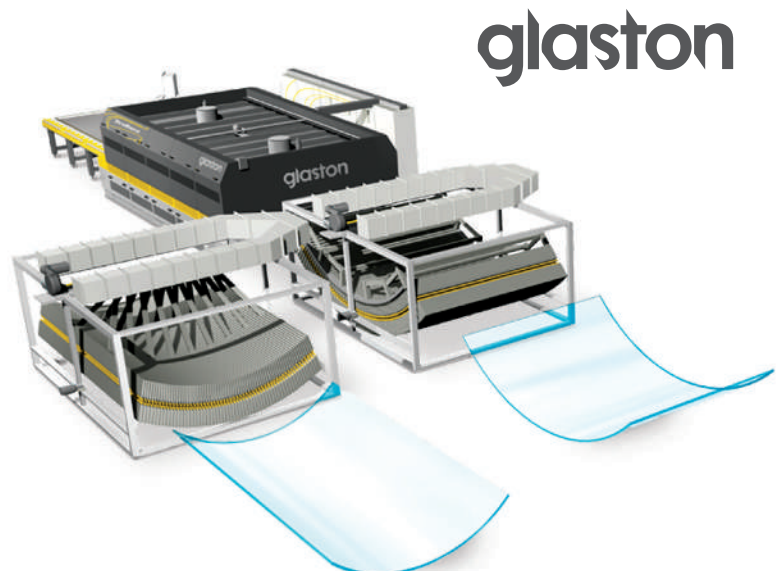
Being in the American Continent allows Tecnoglass to move orders faster and efficiently.

GLASTON TECHNOLOGY

Superior capability, high Low-E tempering

Bending is performed by gravity or by pressing the glass against rollers to assure high optical glass quality. We process flat glass in the bending section or with a separate chiller. TecnoBEND has the capability for high Low-E tempering, especially with architectural glass sizes.

It is also possible to bend and temper a glass coating against the rollers. The Glaston system is equipped with cullet conveyors and a pyrometer.





A CURVE FOR THE DEMAND

Every year, the demand for custom glass is growing as architects and designers are specifying their desire for more innovative and dramatic design solutions using curved glass. Some of these applications include spiral staircases, skylights, full glass elevators, stadiums, zoos, bridges, curtain walls, among hundreds of others uses. Curved glass has the potential to raise any great architectural project into an extraordinary one.

A new architectural movement: curved glass makes buildings flow.

The sleek and sophisticated appearance of glass offers unparalleled style, keeping it among the top material choices for everything, from buildings to trophy cases, but the newest glass design trend takes the modern appeal of glass and adds a twist. Curved glass is among the fastest growing glass trends across the globe, adding movement and dimension to traditionally static structures.

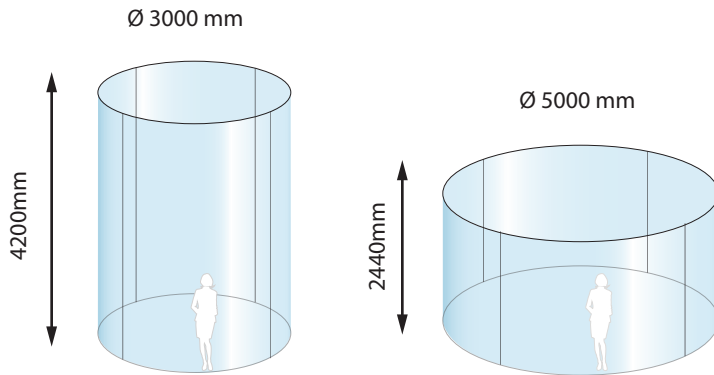
Whether you're walking the streets of New York, exploring the sports archives of Michigan, or envisioning Apple's new headquarters, the curved glass phenomenon is hard to miss.

Beyond new fabrication methods, curved glass has also benefited from more robust coatings and interlayers. While at one time, coatings would warp when bent with glass, new proprietary technology

allows us to curve and still maintain their patterns and effects. The coatings and interlayers now available open up a number of new options for curved glass. Including anti-reflective coatings, dichroic coatings, semi-transparent mirror coatings, as well as insulating curved glass units with metal meshes—and even wood louvers.



Maximum Glass Sizes - four pieces, full circle.



TECNOBEND specifications

Minimum glass size:

ANSI Z97.1

Glass Thickness (mm)	Glass Sizes (mm)
5 to 15mm	200 mm x 500 mm (LB)
5 to 15mm	1000 mm x 1000 mm (CB)
Glass Thickness (in)	Glass Sizes (in)
3/16 to 5/8 in	7.87 in x 19.68 in (LB)
3/16 to 5/8 in	39.37 in x 39.37 in (CB)

Minimum bending radius (LB):

Mechanical (mm)	2500 mm
5 to 10mm	2500 - 3000 mm**
12 to 15mm	4000 - 6000 mm**
Mechanical (in)	98.42 in
3/16 to 3/8 in	98.42 - 118.11 in**
1/2 to 5/8 in	157.48 - 236.22 in**

Maximum glass size:

ANSI Z97.1

Glass Thickness (mm)	Glass Sizes (mm)
5 mm	2200 mm x 3600 mm (LB) 2200 mm x 2400 mm (CB)
6 to 15mm	2400 mm x 4200 mm (LB) 2400 mm x 3600 mm (4200*) (CB)
Glass Thickness (in)	Glass Sizes (in)
3/16 in	86.61 in x 141.73 in (LB) 86.61 in x 94.48 in (CB)
1/4 to 5/8 in	94.48 in x 165.35 in (LB) 94.48 in x 141.73 in (165.35*) (CB)

* With reduced bending radius.

Minimum bending radius (CB):

(mm)	(mm)
5 to 8 mm	1500 mm**
10 mm	3000 mm**
12 to 15mm	4000 mm**
(in)	(in)
3/16 to 5/16 in	59.05 in**
3/8 in	118.11 in**
1/2 to 5/8 in	157.48 in**

** Minimum bending radius depends on the glass shape and size.