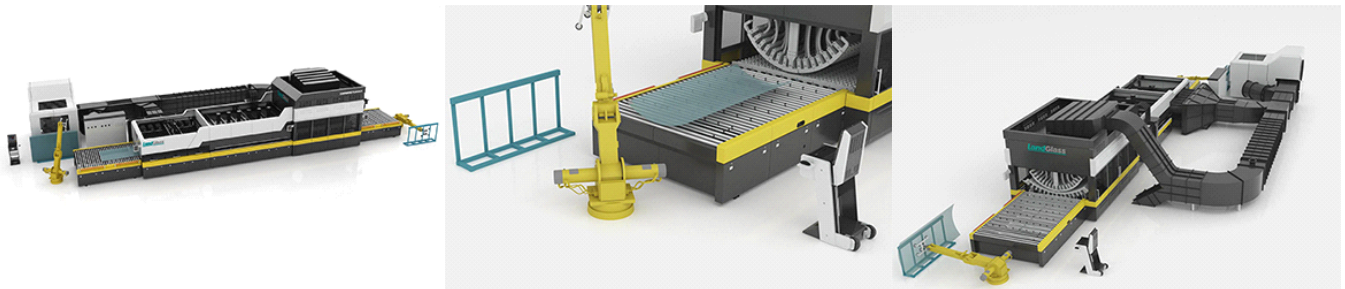
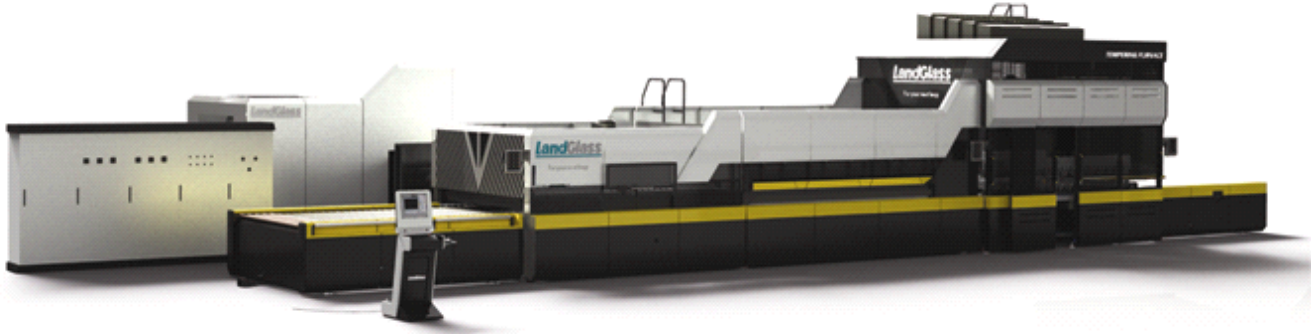


## LD-AC SuperAir Flat&bent Bi-direction Glass Tempering Line



### Application Fields:

Architecture&Furniture, Automobile Industries and Household Appliances, etc.

### Heating Mode:

Combination of radiation and assisstant convection heating.

### Glass Can Be Tempered:

On-line and Off-line Low-E ( $E=0.08$ ) Glass, Ultra Clear Glass, Screen Printed Glass, Pattern Glass, Tinted Glass, Clear Glass, etc.

### Product Introduction

After the successful development of the B type bending and tempering line, which was originally made for tempering small size glasses, the LandGlass R&D team developed a special machine for the jumbo size bent and temper glasses that the architectural market was demanding. LandGlass introduced the AC Flat & Bent Bi-Direction Glass Tempering Line. This type of line has both a bent and a flat tempering section at the two ends of the heating furnace. It can temper flat or bent glass by loading the glass from different direction.

## LANDGLASS TECHNOLOGY CO.,LTD.

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[www.landglass.net](http://www.landglass.net)

SuperAir™ Radiation Heating plays an important role during the process. More compressed air is blown into heating furnace by an intelligent pipe convection system to optimize the heating process of the top surface of glass. Both on-line and off-line Low-E glass can be evenly heated.

LD-AC SuperAir™ Flat & Bent Bi-Directional Glass Tempering Line adopts SuperAir™ Heating Technology. It is equipped with a flat and a bent quenching section at each side of the heating furnace. By loading glasses in different directions, the tempering line can either temper flat glass or bent glass. The glass that can be tempered includes: on-line and off-line Low-E (E=0.08) glass, extra ultra clear glass, screen printed glass, pattern glass, tinted glass, clear glass, etc.

### Technical Features

1. It is equipped with a flat and a bent quenching section at each side of the heating furnace. By loading glasses in different directions, the tempering line can either temper flat glass or bent glass.
2. The bending system is controlled by German Servo Control System, which ensures good repeatability and consistency.
3. Thanks to the adoption of servo-controls in the bending section, the bent tempered glass has an excellent repeatability. Furthermore, there is a mechanical bolt for slightly adjusting to make perfect bent glass with high accuracy.
4. The chillers with computer optimized nozzles arrangements consist of several blocks made of aluminum profiles, which maximizes air flow and minimizes air marks.

### Technical Parameters

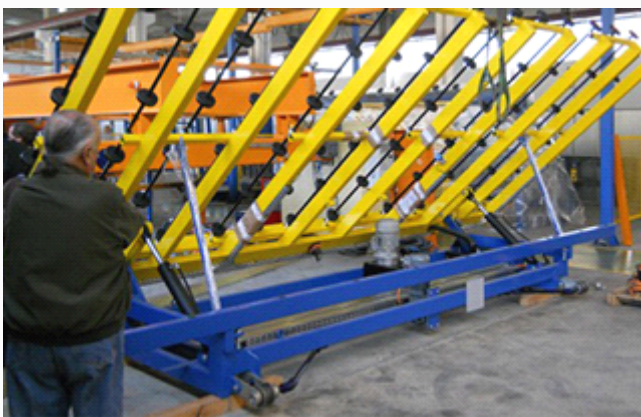
LD-AC SuperAir Flat&bent Bi-direction Glass Tempering Line							
Types	Flat glass Max. dimension	Bent glass Max. dimension	Flat glass Min. dimension	Bent glass Min. dimension	Glass thickness	Productivity (loads/h)	Installed capacity(KVA)
A1830C36	1800x3000	3600xARC1800	150x350	400xARC600	4-19/850	25-29	800
A2030C30	2000x3000	3000xARC2000	150x350	400xARC600	4-19/900	25-29	800
A2436C36	2440x3600	3600xARC2440	150x350	400xARC600	4-19/1000	25-29	800

A2442C42	2440x4200	4200xARC2440	150x350	400xARC600	4-19/1000	25-29	1000
A2450C36	2440x5000	3600xARC2440	150x350	400xARC600	4-19/1000	12-15	1000
A2450C50	2440x5000	5000xARC2440	150x350	400xARC600	4-19/1000	12-15	1000
A2850C42	2800x5000	4200xARC2800	200x400	500xARC600	4-19/1300	12-15	1250
A2860C50	3000x6000	5000xARC2800	200x400	500xARC600	4-19/1300	12-15	1350
A2880C50	2440x8000	5000xARC280	200x400	300xARC500	4-19/1300	12-15	2000

Productivity of bent glass is calculated on 5mm clear glass with 65% loadage. Actual productivity is subject to glass types, sizes and loadage. Not all types are listed here due to limited space.

## Customer Case

Company	Mammen Glass&Mirror, Inc.
Location	USA
Company Profile	Founded in 1956, Mammen Glass&Mirror, Inc. is a leading company in glass industry with the base in America. It is also an Inc. 5000 company for 2007, 2008, 2009 and 2010. Now it operates under 2 different trade names: Acro Glass for its installation business in Irving, Texas, and M3 Glass Technologies for its nationwide wholesale glass fabrication business.
Furnace Type	LD-AC AirStream Flat&bent Bi-direction Glass Tempering Line
Main Products	ColorBak Back-Painted Glass, Laminated Glass, Glass Flooring & Stair Treads, Bent Tempered Glass, Tempered Flat Glass, Pattern Glass, Annealed Flat Glass, Mirror, etc.



Site: <http://www.landglass.net/Products/Flat-and-Bent-Glass-Tempering-Furnace/LD-ACS.html>

YouTube: <http://www.youtube.com/watch?v=WLOYdIFu3tl>

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