

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



### Application Fields:

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

### Heating Mode:

Forced convection heating on the top and bottom.

### Glass Can Be Tempered:

On-line and Off-line Low-E ( $E=0.02$ ) 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After the successful development of the B type bending and tempering line, which was originally made for tempering small size glasses, the LandGlass R&D team developed a special machine for the jumbo size bent and temper glasses that the architectural market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. Equipped with JetConvection™ heating technology, it can bend and temper off-line and online low-e and other highly demanding glasses.

## LANDGLASS TECHNOLOGY CO.,LTD.

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JetConvection™ Convection heating plays an important role during glass heating. Air is heated in the JetConvection chamber inside the heating furnace and is blown onto the glass surfaces. Air is then recirculated and recirculated by the convection blowers into the JetConvection chamber. LandGlass JetConvection technology enhances the quality of the final product and increases productivity by ensuring an even heating, while minimizing production costs.

LD-AC JetConvection™ Flat & Bent Bi-Directional Glass Tempering Line adopts JetConvection™ 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. Glass that can be tempered includes: on-line and off-line Low-E (E=0.02) 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.
5. Equipped with JetConvection heating system, it can temper on-line and off-line Low-E (E=0.02) glass, extra ultra clear glass, screen printed glass, pattern glass, tinted glass, clear glass, etc.

### Technical Parameters

LD-AC JetConvection Flat&bent Bi-direction Glass Tempering Line								
Types	Max.dimension		Min.dimension		Glass thickness	Productivity (loads/h)		Installed Capacity (KVA)
	Flat glass	Bent glass	Flat glass	Bent glass		Clear glass	Low-E	

A1830C36	1800x3000	3600xARC1800	150x350	400xARC600	4-19/900	14-16	12-14	630
A2030C30	2000x3000	3000xARC2000	150x350	400xARC600	4-19/900	14-16	12-14	630
A2436C36	2440x3600	3600xARC2440	150x350	400xARC600	4-19/1000	14-16	12-14	1000
A2442C42	2440x4200	4200xARC2440	150x350	400xARC600	4-19/1000	14-16	12-14	1000
A2450C36	2440x5000	3600xARC2440	150x350	400xARC600	4-19/1000	14-16	12-14	1000
A2450C50	2440x5000	5000xARC2440	150x350	400xARC600	4-19/1000	14-16	12-14	1250
A2850C42	2800x5000	4200xARC2800	200x400	400xARC600	4-19/1300	14-16	12-14	1250
A2860C50	2800x6000	5000xARC2800	200x400	400xARC600	4-19/1300	14-16	12-14	1350

Productivity of bent glass is calculated on 5mm clear glass and 5 mm Low-E glass (E=0.08) 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	Lasry Glass
Location	France, Europe
Company Profile	With an effective presence in over 30 countries and acting under the “LASRY GLASS” banner, the subsidiaries of the group LASRY HOLDING S.A.S are specialized in the international flat glass distributions and processings for indoor and outdoor Architecture, Industry and Art.
Furnace Type	LD-AC JetConvection Flat&bent Bi-direction Glass Tempering Line
Main Products	Clear, extra-clear and tinted glass, common and decorative laminated glass, coated glass, coloured glass, solar glass, etc.



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

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

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