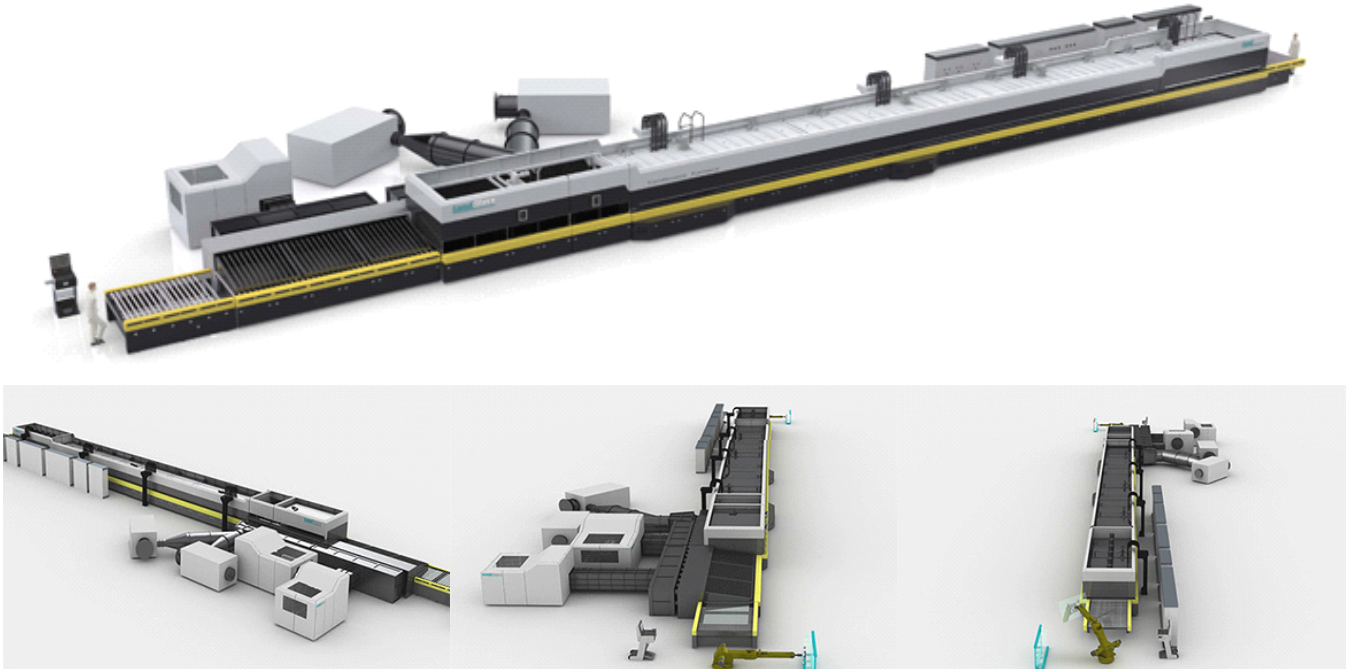


## LD-AL JetConvection Continuous Flat Glass Tempering Furnace



### Application Fields:

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

### Heating Mode:

Combination of convection and radiation heating.

### Glass Can Be Tempered:

On-line and Off-line Low-E ( $E=0.03$ ) Glass, Ultra Clear Glass, Screen Printed Glass, Pattern Glass, Tinted Glass, Clear Glass, etc.

### Product Introduction

In 2011 LandGlass introduced the Continuous Flat Glass Tempering Furnace to satisfy the increasing demands for tempered glass in the household appliances and solar markets. Because of its design, the line guarantees a stable operation and outstanding product quality. Thanks to this leap in quality, our Continuous Flat Glass Tempering Furnace had been installed in the leading international glass processing companies in 2012. This type of furnace is configured with forced convection units at its front end and can temper off-line Low-E and screen printed glass rapidly and evenly.

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AirStream™ Radiation Heating plays a supportive role during the process. Compressed air is injected into the heating furnace to aid the heating process of the top surface of the glass, which ensures heating uniformity for on-line Low-E glass, and other glass types.

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-AL JetConvection™ Continuous Flat Glass Tempering Furnace adopts JetConvection™ and AirStream™ heating technologies. Glass tempered by this tempering furnace is suitable for flat glass for architectures, furniture, household appliances and solar industry markets. The glass that can be tempered includes: on-line and off-line Low-E (E=0.03) glass, extra ultra clear glass, screen printed glass, pattern glass, tinted glass, clear glass, etc.

### Technical Features

1. Longer heating and tempering sections ensure that glass sheets can be heated to the correct temperature and that it can be tempered and cooled quickly without oscillation.
2. The flexible driving speed control, selects the right speed for each of the stages of the process. The user can choose between logic servo controlled continuous mode or complete continuous mode according to the size of glass sheets.
3. Continuous running blowers ensure energy savings.
4. Glass doesn't oscillate inside the heating section, what minimizes quality defects such as white haze, scratches, waviness, etc.
5. Continuous tempering technology ensures much higher productivity, suitable for tempering large volumes of flat glass sheets for the architectural, furniture, household appliances, automotive and solar industry markets.
6. Equipped with JetConvection heating system, it can temper on-line and off-line Low-E (E=0.03) glass, extra ultra clear glass,

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screen printed glass, pattern glass, tinted glass, clear glass, etc.

### Technical Parameters

LD-AL JetConvection Continuous Flat Glass Tempering Furnace					
Types	Max. dimension	Min.dimension	Glass thickness	Productivity (m2//h)	Installed capacity(KVA)
A1225L	1200X2500	100X350	3-6/4-8	295	1600
A1230L	1200X3000	100X350	3-6/4-8	306	1600
A1525L	1500X2500	100X350	3-6/4-8	357	2000
A1530L	1500X3000	100X350	3-6/4-8	368	2000
A1625L	1600X2500	200X350	3-6/4-8	388	2500
A1630L	1600X3000	200X350	3-6/4-8	398	2500
A1730L	1700X3000	200X350	3-6/4-8	418	3000

Productivity is calculated on 4mm clear glass with 100% loadage. Actual productivity is subject to glass types, sizes and loadage. Not all types are listed here due to limited space.

### Customer Case

Company	Kuk Young G&M
Location	Korea, East Asia
Company Profile	Established in 1959, KUKYOUNG has a long history more than 40 years. As a senior enterprise in Korea, it's always leading the trend in glass processing industry. Up to this day, KUKYOUNG has developed to a big enterprise who involves 11 fields, such as tempered glass, laminated glass, revolving glass doors and so on.
Furnace Type	LD-AL JetConvection Continuous Flat Glass Tempering Furnace
Main Products	Double glazing glass, heat-tempered glass, insulated glass, laminated glass, bullet resistance window glass, curved window screen laminated glass, soundproof glass, electromagnetic shielding glass and fire resistant glass,etc.



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

YouTube: <http://www.youtube.com/watch?v=JW3zfefPEko>