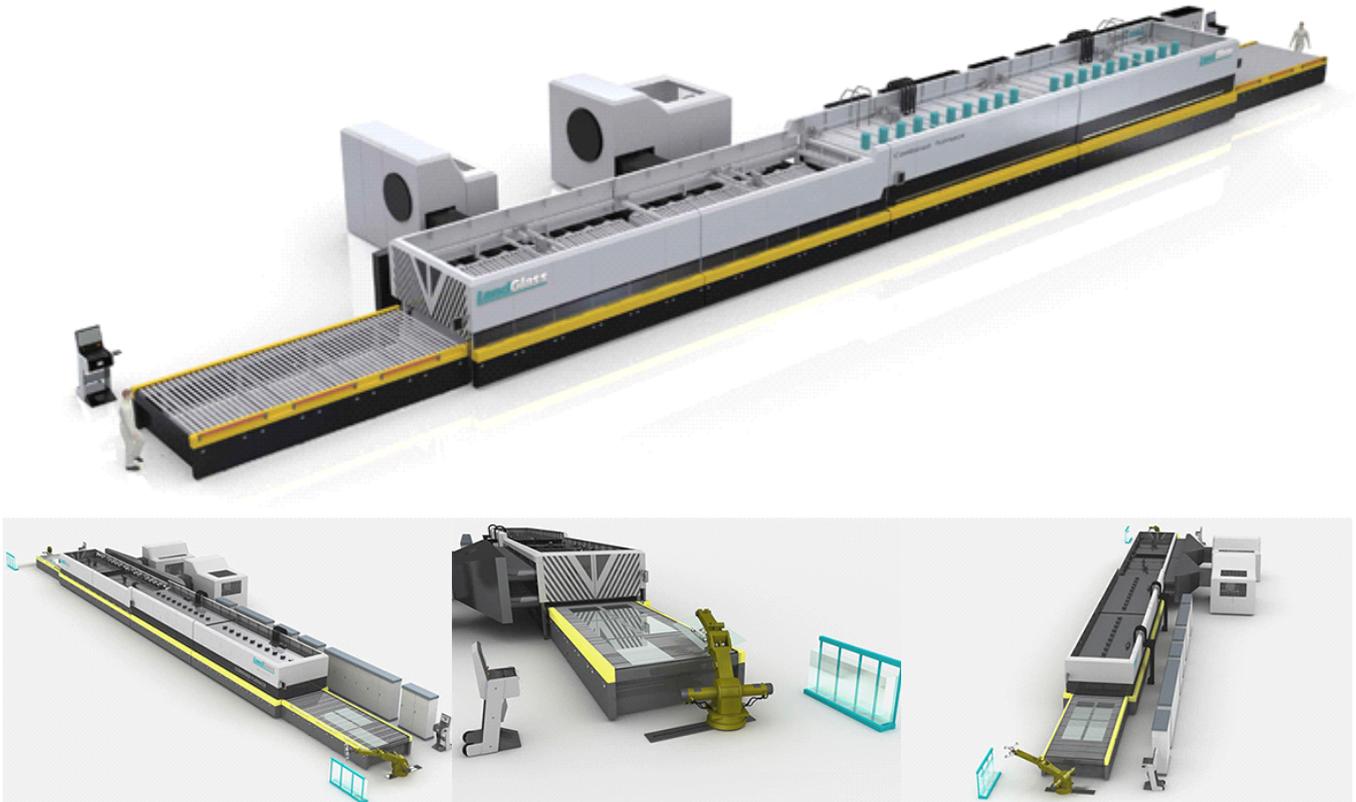


## LD-AT3 JetConvection Combined Flat Glass Tempering Furnace



### Application Fields:

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

### Heating Mode:

JetConvection heating on the top.

### 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

Some markets, like the architectural or household markets, have increased the demand of high-quality tempered glass. LandGlass introduced in 2008 the combined tempering technology with two independently controlled heating furnaces to meet this increasing demand for high quality glass.

## LANDGLASS TECHNOLOGY CO.,LTD.

Add:Guangjian Building, No.12,Wangcheng Road,Luoyang 471000,China Tel:+0086-379-65298870 Fax:+0086-379-65298878 E-mail:marketing@landglass.com  
[www.landglass.net](http://www.landglass.net)

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-AT Series Combined Flat Tempering Furnace is equipped with 2 heating sections, which can be installed with either AirStream or JetConvection heating technologies. The furnace can also be equipped with one or more chillers according to the quality and productivity requirements of the final product. The combination of 2 heating sections allows for an easy adaptation to each customer's needs, having the possibility to select different working modes that optimize final quality, productivity or maximum temperable size.

LD-AT3 JetConvection™ Combined Flat Glass Tempering Furnace has two heating sections and both heating sections adopt JetConvection™ heating technology on the top. This tempering furnace ensures excellent quality and higher performance. 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. LD-AT3 JetConvection Combined Flat Glass Tempering Furnace has two heating sections with JetConvection™ heating technology applied on the top; it can temper glass with the best quality.

2. Different working modes can be set in order to focus on quality, productivity or loading size.

If the first heating section works as preheating furnace, it will reduce quality defects such as optical distortion, spherical bending, hot spots, white haze, etc.

If both heating sections work as independent heating furnaces, it will largely increase throughput.

If two heating sections work as one big heating section, it will be able to process extra large glasses.

3. Glass tempered by this tempering furnace is suitable for the architectural, furniture, household appliances, automotive and solar industry markets. The 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 Parameters

LD-AT3 JetConvection Combined Flat Glass Tempering Furnace						
Types	Max. dimension	Min. dimension	Glass thickness	Productivity(loads/h)		Installed capacity(KVA)
				Clear glass	Low-E	
A2436T3	2440X3600	200X400	4-19	20-24	18-22	1400
A2442T3	2440X4200	200X400	4-19	20-24	18-22	1600
A2450T3	2440X5000	200X400	4-19	20-24	18-22	1800
A2460T3	2440X6000	200X400	4-19	20-24	18-22	2200
A2480T3	2440X8000	200X400	4-19	20-24	18-22	2800
A3050T3	3000X5000	300X500	5-19	20-24	18-22	2300
A3080T3	3000X8000	300X500	5-19	20-24	18-22	3500

Productivity is calculated on 5mm clear glass and 6 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	Oldcastle
Location	USA, North America
Company Profile	Oldcastle is the largest manufacturer of building products and materials in North America. Its tempered glass products are widely used in architectural industry, which allows it to occupy a large market share in North America. And its glass tempering furnace is produced by LandGlass.
Furnace Type	LD-AT JetConvection Combined Flat Glass Tempering Furnace
Main Products	Laminated glass, insulating glass, fireproof glass, Low-E glass, etc.



Site: <http://www.landglass.net/Products/Flat-Glass-Tempering-Furnace/LD-AT3.html>

YouTube: <https://www.youtube.com/watch?v=I54GICEEwLI>