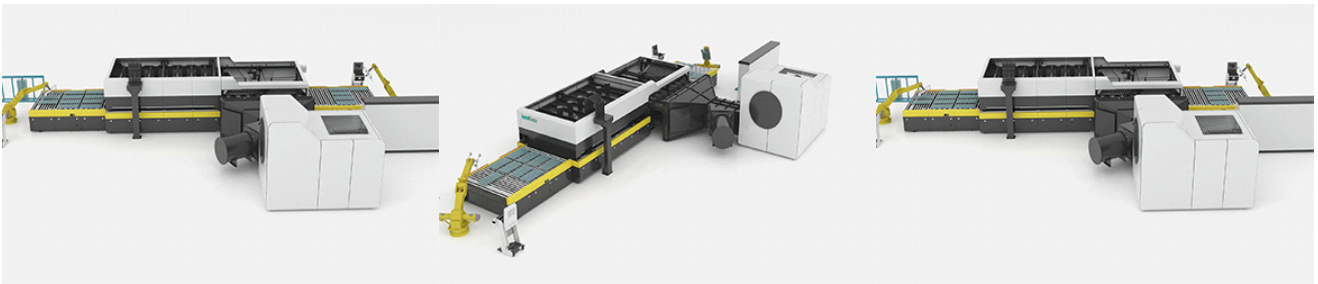
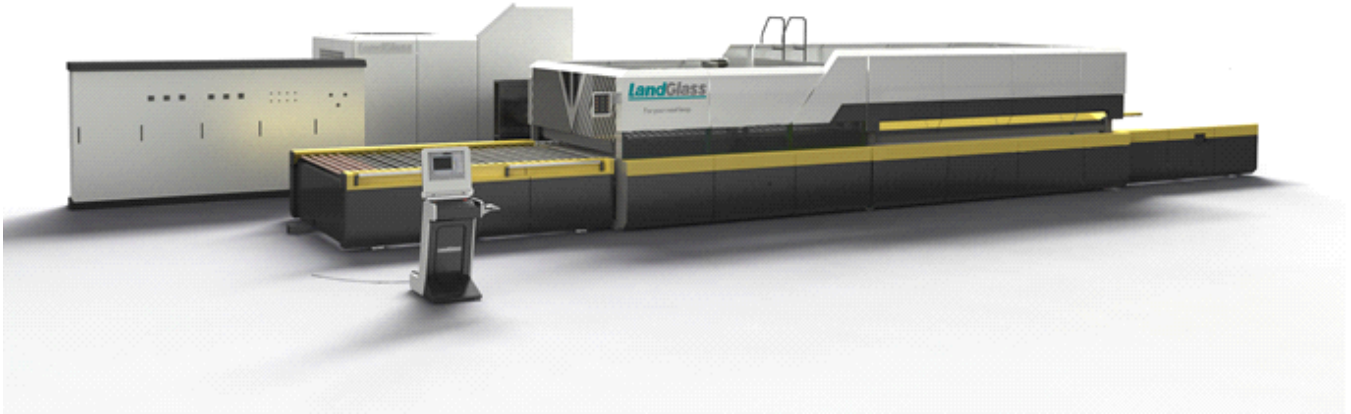


LD-A JetConvection Flat Glass Tempering Furnace



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

LandGlass is a pioneer in R&D of forced convection heating technology. After years of theoretical research and production test, the LD-AJ JetConvection Tempering Furnace has become the first choice for small, medium and large glass manufacturing companies. This tempering furnace is recognized internationally, and it is the core product of LandGlass.

LANDGLASS TECHNOLOGY CO.,LTD.

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JetConvection™ Convection heating plays a main 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-A JetConvection™ Flat Glass Tempering Furnace adopts JetConvection™ Heating Technology. Glass tempered by this tempering furnace has the best quality and is suitable for the architectural and furniture markets. 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. Full convection is a completely different approach to the traditional combination of radiation heating and convection pipes. The use of full convection solves a series of heating challenges that are due to the different emissivities at the top and bottom surfaces of coated glass.
2. Our convection technology has been developed to allow for more heating zones along the width of the furnace. Each of these heating zones can be controlled separately, allowing the generation of heating profiles along the width and the length of the furnace.
3. The length of the furnace will determine the number of convectors that will be installed, each of which will be independently controlled to allow for different convection settings. Convection blowers are installed at the top of the convection box to balance the air pressure inside the furnace. The air flow distributing mechanism together with the specially designed nozzles, ensure a uniform distribution of the convective airflow.
4. The built-in optimization algorithm and the computer fuzzy temperature control modules of the PID database, together with the frequency control of the blowers, assure that both heating and frequency profiles can be customized and optimized.
5. Lower bottom heating temperature can be achieved by adjusting the convection parameters, so that the heating defects such as white haze, hot spots, etc., can be eliminated. In the meantime, heating time is reduced and efficiency is optimized.

Technical Parameters

LD-A JetConvection Flat Glass Tempering Furnace								
Types	Max. Dimension	Min. Dimension	Glass thickness	Heating time(second)		Productivity (loads/h)		Installed capacity (KVA)
				Clear glass	Low-E	Clear glass	Low-E	
A1830J	1800X3000	150X300	4-19	28-32	38-42	18-20	15-18	500
A2036J	2000X3600	150X350	4-19	28-32	38-42	18-20	15-18	630
A2436J	2440X3600	150X350	4-19	28-32	38-42	18-20	15-18	800
A2442J	2440X4200	150X350	4-19	28-32	38-42	18-20	15-18	1000
A2450J	2440X5000	150X350	4-19	28-32	38-42	18-20	15-18	1000
A2460J	2440X6000	150X350	4-19	28-32	38-42	18-20	15-18	1250
A2850J	2800X5000	200X400	4-19	28-32	38-42	18-20	15-18	1250
A3050J	3000X5000	300X500	5-19	28-32	38-42	18-20	15-18	1250
A3080J	3000X8000	300X500	5-19	28-32	38-42	18-20	15-18	2000

Productivity 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	Glas Strack
Location	Germany, Europe
Company Profile	Glas Strack is a German enterprise with a long history more than 70 years. As a senior pioneer in the glass processing industry, it has different roles during the daily work. Besides the wholesale of glass, Glas Strack also designs and manufactures products according to the specific requirements of the customers.
Furnace Type	LD-A JetConvection Flat Glass Tempering Furnace
Main Products	Tempered glass, laminated glass, glass door, glass shower room, art glass, decorative glass, stained glass, etc.



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

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