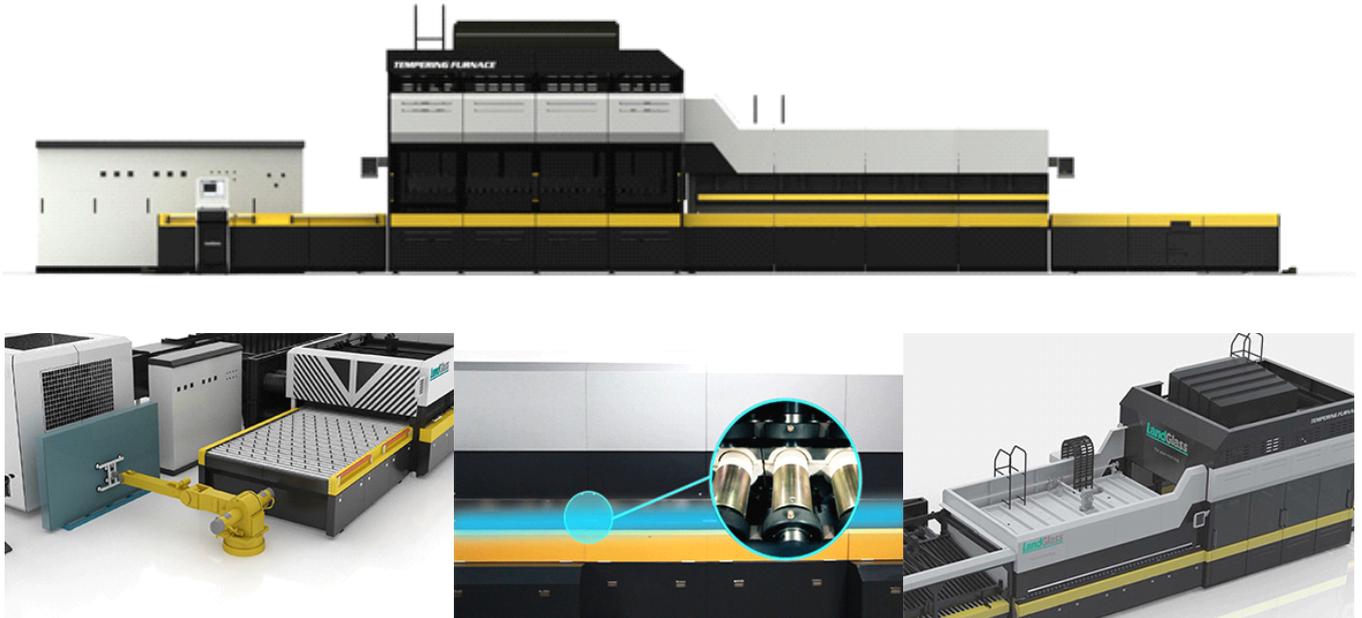


LD-D JetConvection Variable Curvature Glass Tempering Furnace



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' research and development history in the field of variable curvature glass tempering started several years ago when the straightness of the straight edge of bent glass products' was yet a technical challenge.

Since then, LandGlass had tried three different kinds of bending technologies. Finally in 2011, after the combination of intelligent servo control systems and innovative flexible bending mechanism, LandGlass made a breakthrough in the development of Variable Curvature Glass Tempering Furnaces. The newly developed bending technology not only provided a better final

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

product but it also improved reliability and extended the life of the equipment.

In 2012 LandGlass showed the industry its "J Shape" tempered glass products. In 2013 LandGlass introduced the "U Shape" Glass Tempering Furnace, equipped with JetConvection™ heating technology, capable of tempering off-line Low-E glass and other challenging bent glasses.

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-D JetConvection™ Variable Curvature Glass Tempering Furnaces are mainly used to bend and temper variable curvature glass. They are demanded to produce the glass for commercial refrigerators, food showcases, and high-class buses. The intelligent servo control system and flexible arching mechanism are applied to the furnace, which can process various kinds of high-quality variable curvature glasses through the innovative process and furnace layout. In addition, the furnace can process various kinds of coated glass and clear glass through the forced JetConvection heating technology.

Technical Features

1. The innovative arc forming technique and the flexible bending mechanism ensure the flexibility and fast adoption of the curvature. The high precision bending mechanism ensures the accuracy and stability of arc forming.
2. There is no movement in the bending mechanism during the bending process, which ensures the glass accuracy and repeatability, reducing daily maintenance.
3. 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

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LD-D Series Variable Curvature Glass Tempering Furnaces							
Model	Max. Loading Dimensions(mm)	Min. Loading Dimensions(mm)	Thicknes s(mm)	Min. Radius(mm)	Heating Power	Productivity (loads/h)	Installed Capacity(KVA)
LD-D1209/2	1200xARC900	300xARC300	4-8	250	240	25-28	500
LD-D1512 /2	1500xARC1200	300xARC300	4-8	250	320	25-28	630
LD-D1812/2	1800xARC1200	400xARC400	(4)5-8	(300)400	380	20-22	(800)630
LD-D2420/2	2400xARC2000	400xARC400	(5)6-12	(400)600	832	16-18	(1250)1000
LD-D3020/2	3000xARC2000	500xARC500	(6)8-15	(500)800	1050	12-14	(1250)1000

1. The Min. Radius is calculated on min. thickness white glass. Actual radius is subject to different glass thickness, shapes and types;
2. The dimensions in parentheses are optional according to customers' special requirements;
3. Productivity is calculated on min. thickness white glass. Actual productivity is subject to different glass thickness, types and dimensions;
4. Other models are not listed as the space here is limited.

Customer Case

Company	Nanxin Glass Limited Company
Location	Jiangsu, China
Company Profile	Nanxin Glass Limited Company is a large-sized enterprise with a plant area of 12,000 m ² and over 150 employees. The company boasts several advanced production lines and corollary equipments, mainly producing flat and bent tempered glass, insulating glass as well as special glass and art glass. Its products are widely used in architecture, furniture, household appliances etc. Featuring advanced equipments, excellent quality and perfect service, the company has won high popularity and become a brilliant glass processing enterprise in the Yangtze River Delta.
Furnace Type	LD-D Series Variable Curvature Glass Tempering Furnace
Main Products	Tempered glass products, heavy machinery glass, refrigerator glass, train accessory glass, bathroom glass and so on.

Site: <http://www.landglass.net/Products/Variable-Curvature-Glass-Tempering-Furnace/LD-DJ.html>

YouTube: <http://www.youtube.com/watch?v=AAXJh-B22N0>

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