

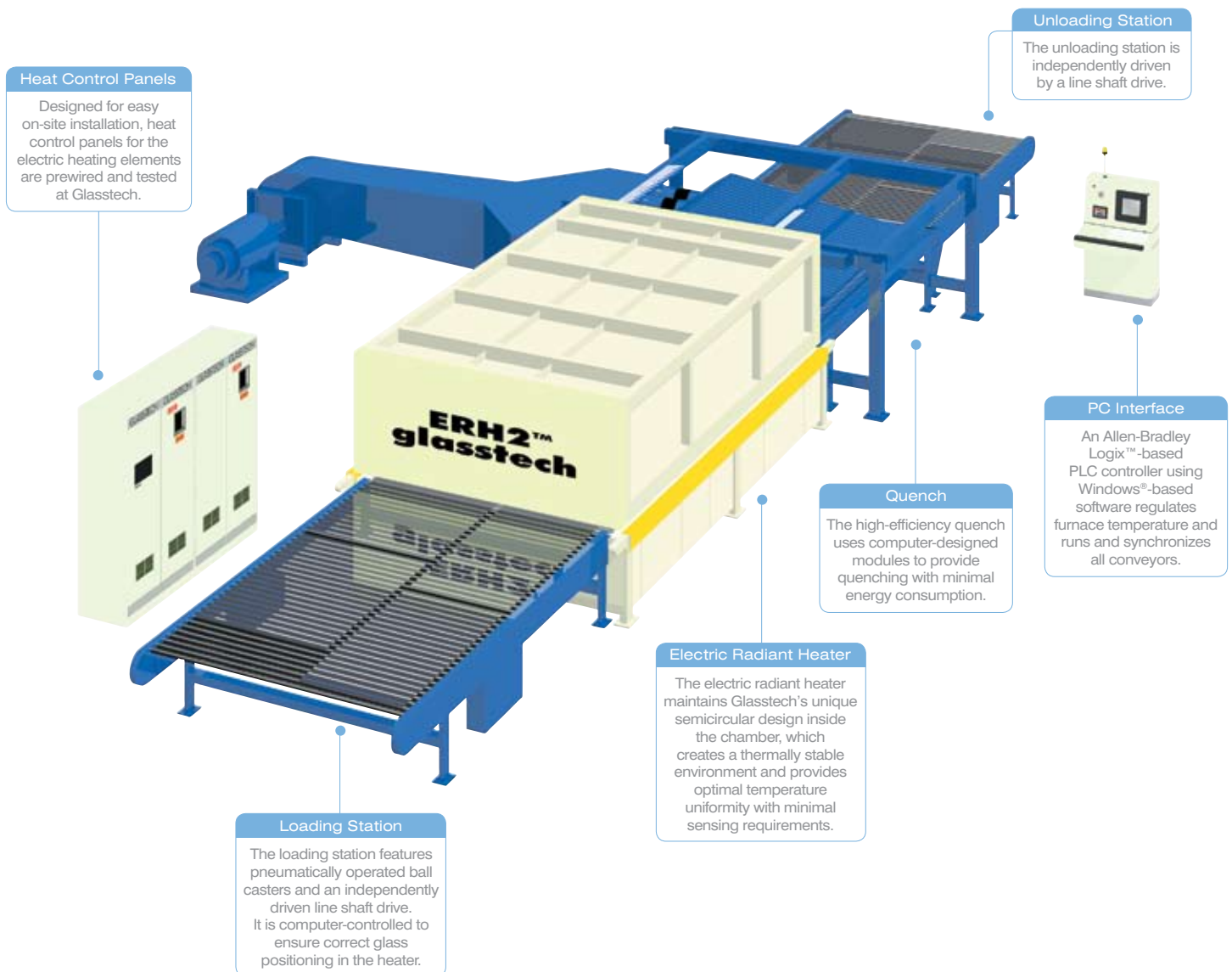
Architectural ERH2™

Flat Glass Tempering System with Electric Radiant Heating

Glasstech ERH2 with electric radiant heating is one of the world's leading systems for efficient processing of all types of flat architectural glass products. The ERH2 system incorporates Glasstech's hallmark rugged design and is engineered for years of heavy-duty service at minimal cost.

Special features can be added to ERH2 for efficient processing of high performance Low-E glass. For example, using a proprietary convection nozzle system which incorporates Glasstech's patented Profiled Convection™ heating system, ERH2-C2™ delivers hot air to the upper glass surface and thereby reduces heating times.

ERH2 provides the quality and standard of excellence first offered by Glasstech in the classic, horizontal architectural roller hearth system, with additional features for processing Low-E glass at higher throughputs – available at a competitive price.



Architectural ERH2™ Technical Features

Production Capability – Loads/Hour

Glass Thickness		Standard System		C2 Option						
		Single Cycle 1 Load Heating	Single Cycle 2 Loads Heating	Single Cycle – 1 Load Heating			Double Cycle – 2 Loads Heating			
				Most Glass Types	Most Glass Types	Most Glass Types	Low-E* Coated		Most Glass Types	Low-E* Coated
		K Glass	Soft Coat				K Glass	Soft Coat		
(mm)	(in)									
3.0	.118	27	54	27	25.5	21.5	54	51	43	
4.0	5/32	22.5	45	22.5	21	18	45	42	36	
5.0	3/16	18	36	18	17	14	36	34	28	
6.0	1/4	15	30	15	14	14	30	28	24	
8.0	5/16	11	22	11	–	–	22	–	–	
10.0	3/8	9	18	9	–	–	18	–	–	
12.0	1/2	7.5	15	7.5	–	–	15	–	–	
15.0	9/16	6	–	6	–	–	–	–	–	
19.0	3/4	4.5	–	4.5	–	–	–	–	–	

* Heating times may vary depending on the composition of the glass and the surface coating.

Standard System Configurations

Heater Width		Heater Length		Max. Load Length	
				Standard System	
(mm)	(in)	(m)	(ft)	(mm)	(in)
1220	48	3.66	12	2440	96
		5.5	18	3200	126
1520	60	5.5	18	3200	126
		9	30	3200	126
2140	84	5.5	18	3810	150
		7.3	24	5000	197
		11	36	3810	150
2440	96	5.8	19	3810	150
		7.7	25	5000	197
		11.5	38	3810	150

Installed Power

Heater Width		Heater Length		Heating	Quench†	With C2 Option Convection Compressor††	Drives	Standard Total	With C2 Option Total
(mm)	(in)	(m)	(ft)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)
1220	48	3.66	12	286	130	0-33	22.5	439	439-472
		5.5	18	429	160	0-50	22.5	612	612-662
1520	60	5.5	18	536	200	0-63	22.5	759	759-822
		9	30	893	200	0-106	22.5	1116	1116-1222
2140	84	5.5	18	760	320	0-89	22.5	1093	1093-1182
		7.3	24	1000	400	0-118	22.5	1423	1423-1541
		11	36	1500	320	0-176	22.5	1843	1843-2019
2440	96	5.8	19	900	360	0-102	22.5	1283	1283-1385
		7.7	25	1200	460	0-136	22.5	1683	1683-1819
		11.5	38	1800	360	0-203	22.5	2183	2182-2386

† Quench power based on 4mm (.5/32") minimum thickness to ANSI Z97.1-1984 and BS 6206 or compatible international standards.

†† Convection compressor kW dependent upon glass coating type.

In actual operation, continuous production rates will be between 50% and 75% of the available load area and will depend on glass dimensions, edgework quality and load area utilization. Production rates for ceramic frit-coated panels will vary depending on part size, thickness and the specific type of frit used, the frit pattern and the consistency of the frit thickness.

Glasstech, Inc.
Perrysburg, Ohio USA
Tel: +1-419-661-9500
Fax: +1-419-661-9616

Glasstech, Inc.
New York, New York USA
Tel: +1-212-489-8040
Fax: +1-212-307-5781

Glasstech, Inc.
Shanghai, China
Tel: +86-21-5836-7560
Fax: +86-21-5836-8968

glasstech®
WHERE INNOVATION CONTINUES
www.glasstech.com



Glasstech, Inc.
Mumbai, India
Tel/Fax: +91-22-6710-1629

Glasstech Limited
Worcester, England
Tel: +44-1905-723663
Fax: +44-1905-20400

Glasstech is committed to continuously improve and provide its products and services so that they meet or exceed its own and its customers' quality, cost and schedule requirements.
©2008 Glasstech, Inc., 09/24/08