

ERH2™

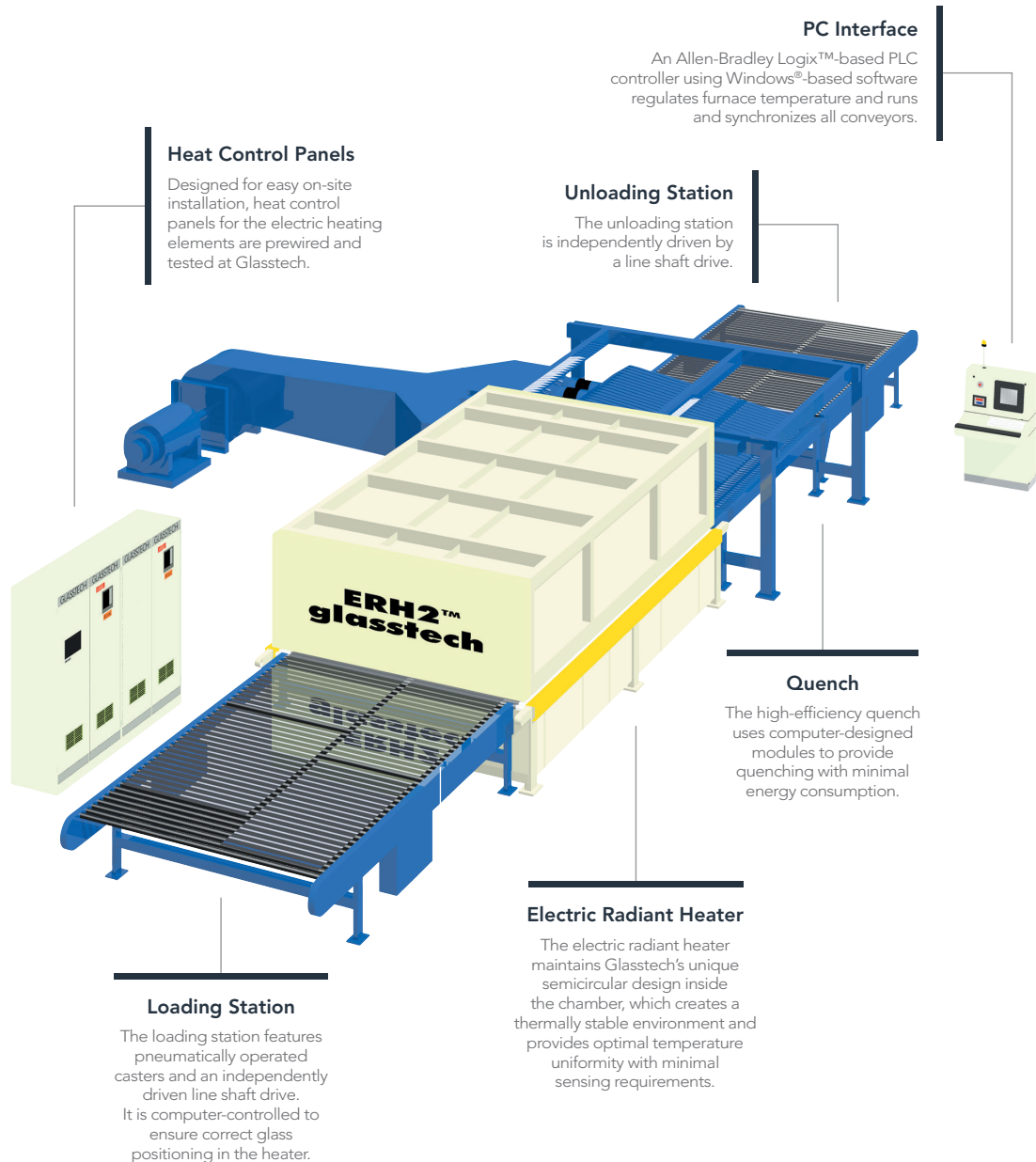
ARCHITECTURAL ERH2™

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 (mm) (in)		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
K Glass	Soft Coat	K Glass	Soft Coat						
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.

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.

Standard System Configurations

Heater Width (mm) (in)	Heater Length (m) (ft)	Max. Load Length			
		Standard System			
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
2800	110	7.6	25	5000	197
		9.1	30	6000	236
		10.7	35	7000	276

Installed Power

Heater Width (mm) (in)	Heater Length (m) (ft)	Heating (kW)	Quench† (kW)	With C2 Option Convection Compressor†† (kW)	Drives (kW)	Standard Total (kW)	With C2 Option Total (kW)		
								1220	48
1520	60	5.5	18	429	160	0-50	22.5	612	612-662
		5.5	18	536	200	0-63	22.5	759	759-822
2140	84	9	30	893	200	0-106	22.5	1116	1116-1222
		5.5	18	760	320	0-89	22.5	1093	1093-1182
		7.3	24	1000	400	0-118	22.5	1423	1423-1541
2440	96	11	36	1500	320	0-176	22.5	1843	1843-2019
		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
2800	110	7.6	25	1400	490†††	0-156	30	1920	1920-2076
		9.1	30	1640	530†††	0-195	30	2200	2200-2395
		10.7	35	1910	530†††	0-233	30	2470	2470-2703

† 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.

††† 4mm quench load area reduced.

Floor Space Requirements

Heater Width		Heater Length		Maximum Load Length		Total Width		Total Length		Total Height		Length		Width	
(mm)	(in)	(m)	(ft)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)
1220	48	3.66	12	2440	96	3988	157	13716	540	2896	114	9144	360	9144	360
		5.5	18	3200	126			17374	684			9144	360	9144	360
1520	60	5.5	18	3200	126	2950	116	19202	756	2896	114	9144	360	9144	360
		9	30	3200	126			22860	900			9144	360	9144	360
2140	84	5.5	18	3810	150	3530	139	19812	780	3480	137	9144	360	9144	360
		7.3	24	5000	197			25298	996			9144	360	9144	360
		11	36	3810	150			25298	996			9144	360	9144	360
2440	96	5.8	19	3810	150	4674	184	20117	792	3353	132	9144	360	9144	360
		7.7	25	5000	197			25603	1008			9144	360	9144	360
		11.5	38	3810	150			25908	1020			9144	360	9144	360
2800	110	7.6	25	5000	197	5030	198	25603	1008	3660	144	9144	360	9144	360
		9.1	30	6000	236			29870	1176			9144	360	9144	360
		10.7	35	7000	275			34138	1344			9144	360	9144	360

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