

**EPB-L/T™
EPB-XL/T™**

AUTOMOTIVE EPB-L/T™ | EPB-XL/T™

External Press Bending System

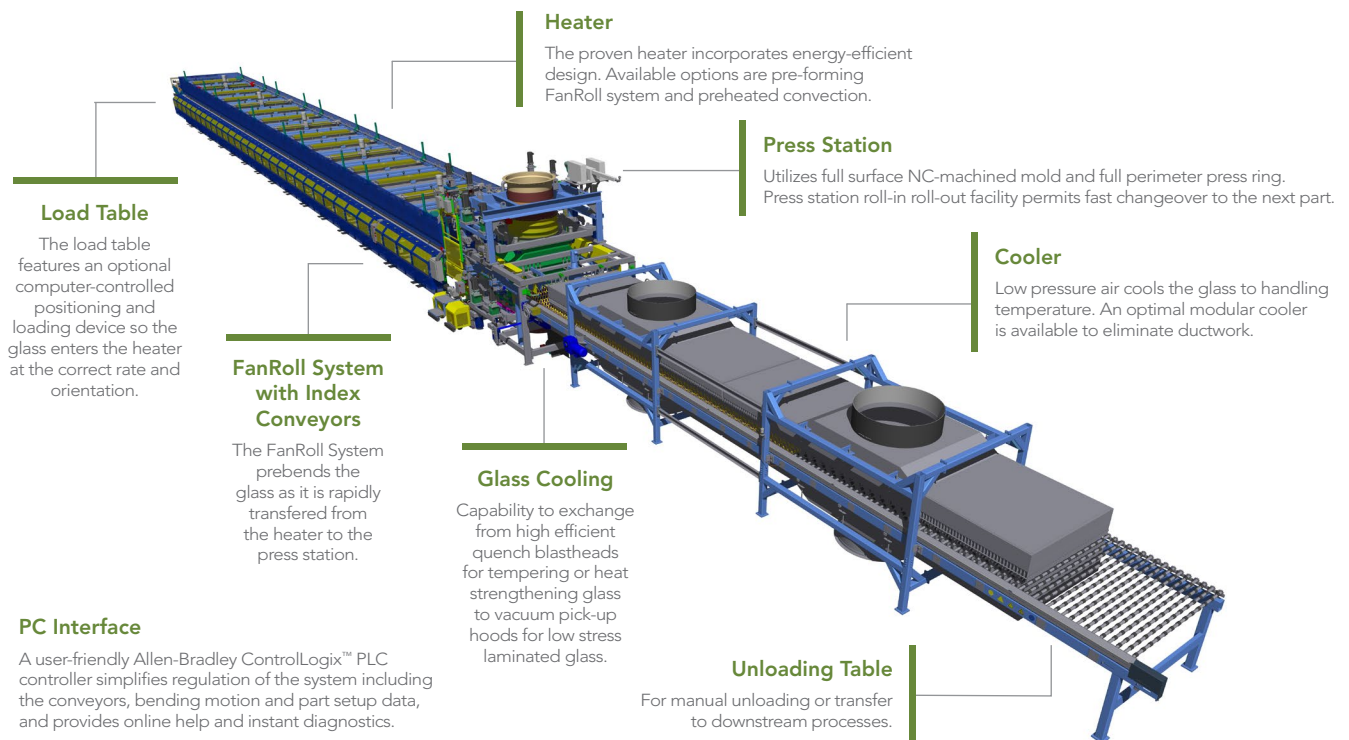
Glasstech's EPB-L/T system is an innovative, highly versatile glass bending system designed for the production of automotive windshields, backlites and sunroofs. The system satisfies the automotive OEM demand for complex part shapes with superior optical quality, while also meeting the glass processor's need for greater productivity, economical tooling, energy conservation and flexibility with a single system capable of producing low stress laminated, semi-tempered or tempered monolith products.

Designed as an expandable system, the production capabilities of the EPB-L/T can easily meet production needs. The system is available in a standard loading area of 1220mm x 1828mm (48" x 72") or an expanded loading area of 1600mm x 2134mm (63" x 84").

Production capabilities vary, with available standard capacity, intermediate capacity and high capacity configurations. Additionally, coated glass configurations are available to meet the increasing demand for processing high performance coatings.

Production Capabilities

- Tempered monolith backlites, sidelites or sunroofs
- Laminated semi-tempered backlites, sidelites or sunroofs
- Laminated windshields or low stress sunroofs
- A facility dedicated to sunroof applications for laminated low stress or semi-tempered sunroofs, or monolith tempered sunroofs
- Glasstech's EPB-L/T system meets the shape tolerance and optical quality requirements of Audi/Volkswagen, BMW, Honda, Toyota, Nissan, Mercedes and others



AUTOMOTIVE EPB-L/T™ | EPB-XL/T™ TECHNICAL FEATURES

Product Size and Forming Capability EPB-L/T and EPB-XL/T									
	Size					Depth of Bend		Minimum Radius of Curvature	
	Glass Thickness	Minimum Glass Size Length x Width		Maximum Glass Size Length x Width					
	(mm)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)
EPB-L/T	1.6 – 4.85	890 x 500	35 x 20	1220 x 1828	48 x 72	165	6.5	600	23.6
EPB-XL/T	1.6 – 4.85	890 x 500	35 x 20	1600 x 2134	63 x 84	165	6.5	600	23.6

Example System Configurations													
	Heater Length		Glass Thickness										
			1.6mm		1.8mm		2.1mm		1.6 – 3.0mm	3.2mm	3.5mm	3.8mm	4.8mm
			Green	Coated*	Green	Coated*	Green	Coated*	Green***	Green	Green	Green	Green
	(m)	(ft)	(sec)**	(sec)**	(sec)**	(sec)**	(sec)**	(sec)**	(sec)**	(sec)**	(sec)**	(sec)**	
EPB-L/T Standard Capacity	21	68.9	9	16.9	9.8	19.1	11.5	22.4	12.5	12.5	13.8	15.2	19.3
EPB-L/T Intermediate Capacity	26.4	86.7	9	12.4	9	14	9	16.4	12	12	13	14.5	17
EPB-L/T High Capacity	33.8	110.7	9	9.1	9	10.3	9	12	12	12	13	14.5	17
EPB-L/T Coated High Capacity	39.2	128.7	9	9	9	9	9	10	12	12	13	14.5	17
EPB-XL/T Standard Capacity	21.2	69.5	9.5	17.2	10	19.4	11.7	22.7	12.6	12.6	14	15.5	19.6
EPB-XL/T Intermediate Capacity	26.7	87.5	9.5	12.5	9.5	14.1	9.5	16.6	12.5	12.5	13.5	15	17.5
EPB-XL/T High Capacity	34	111.5	9.5	9.5	9.5	10.4	9.5	12.1	12.5	12.5	13.5	15	17.5
EPB-XL/T Coated High Capacity	39.5	129.5	9.5	9.5	9.5	9.5	9.5	10.1	12.5	12.5	13.5	15	17.5

*Requires smart convection option

**1m (39.3") tall part size, taller parts have extended cycle time

***Heat strengthened stress level

Floor Space Requirements										
	Heater Length		Total Length		Total Width 1 Press		Total Width 2 Presses		Height*	
	(m)	(ft)	(m)	(ft)	(m)	(ft)	(m)	(ft)	(m)	(ft)
	EPB-L/T Standard Capacity	21	68.9	43.1	141.5	14.2	46.6	18	59	6.4
EPB-L/T Intermediate Capacity	26.4	86.7	51.7	169.5	14.2	46.6	18	59	6.4	21
EPB-L/T High Capacity	33.8	110.7	59	193.5	14.2	46.6	18	59	6.4	21
EPB-L/T Coated High Capacity	39.2	128.7	64.5	211.5	14.2	46.6	18	59	6.4	21
EPB-XL/T Standard Capacity	21.2	69.5	46.2	151.5	16.8	55	22.2	73	6.7	22
EPB-XL/T Intermediate Capacity	26.7	87.5	54.7	179.5	16.8	55	22.2	73	6.7	22
EPB-XL/T High Capacity	34	111.5	62	203.5	16.8	55	22.2	73	6.7	22
EPB-XL/T Coated High Capacity	39.5	129.5	67.5	221.5	16.8	55	22.2	73	6.7	22

*Plus quench ductwork

Installed Electric Power						
	Heating	Annealing	Quench Fans**	Cooling	Drives	Total
	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)
	EPB-L/T Standard Capacity	2200	15	1275	224	60
EPB-L/T Intermediate Capacity	2690	15	1275	224	60	4264
EPB-L/T High Capacity	3350	15	1275	298	60	4998
EPB-L/T Coated High Capacity	3840	15	1275	298	60	5488
EPB-XL/T Standard Capacity	2660	20	1712	261	65	4718
EPB-XL/T Intermediate Capacity	3230	20	1712	261	65	5288
EPB-XL/T High Capacity	4000	20	1712	336	65	6133
EPB-XL/T Coated High Capacity	4580	20	1712	336	65	6713

**Quench power based on ECE capability for 3.2mm thickness

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