

DBX-T™

AUTOMOTIVE DBX-T™

Deep Bend Advanced High Capacity Bending and Tempering System

Glasstech's DBX-T Advanced Bending and Tempering System for Deep Bend™ Automotive Glass is Glasstech's next-generation automotive backlite bending and tempering process.

The DBX-T system is an innovative, energy-efficient glass bending and tempering system that can process complex shapes to tight tolerances with excellent optics. DBX glass typically has 30% better transmitted optics on complex-shaped glass when compared to other processes.

The DBX-T system is also a high capacity system and, in its highest capacity configuration, can process complex backlites at cycle rates as low as 10 seconds, which lowers the operating cost to process a backlite.

Compared to the latest DB 4 technology, DBX provides the following advantages:

- Higher productivity
- Higher glass quality
- Yield improvement
- Less cloth changes
- Extended mold cloth life

General Specifications for DBX-T

- Maximum depth of bend: 250mm (10")
- Minimum radius of curvature for 3mm (.118") glass: 75mm (3")



AUTOMOTIVE DBX-T™ TECHNICAL FEATURES

1. Glass Thickness: Min. 2.8mm; Max. 5mm
2. Glass Size
 - a. Maximum Single Piece:
 - i. Width: 1727mm (68")
 - ii. Height: 1118mm (44")
 - b. Minimum Single Piece:
 - i. 406mm (16") in the direction of travel
3. Depth of Bend
 - a. 254mm (10")
4. Radius of Curvature
 - a. Minimum: 75mm (3") radius of curvature for 3.2mm glass
5. Productivity

a. High Capacity System

Thickness	Loads/Hour Simple Bends	Maximum Area in Any Single Piece	
2.8mm	300 loads/hour	1.3 sq. m	13.9 sq.ft.
3.0mm	360 loads/hour	1.3 sq.m	13.9 sq.ft.
3.2mm	360 loads/hour	1.5 sq.m	16.1 sq.ft.
3.8mm	342 loads/hour	1.5 sq.m	16.1 sq.ft.
5.0mm	276 loads/hour	1.5 sq.m	16.1 sq.ft.

b. Standard Capacity System

Thickness	Loads/Hour Simple Bends	Loads/Hour Simple Bends	
2.8mm	300 loads/hour	1.3 sq. m	13.9 sq.ft.
3.0mm	300 loads/hour	1.3 sq.m	13.9 sq.ft.
3.2mm	300 loads/hour	1.5 sq.m	16.1 sq.ft.
3.8mm	288 loads/hour	1.5 sq.m	16.1 sq.ft.
5.0mm	240 loads/hour	1.5 sq.m	16.1 sq.ft.

Note: Actual rates will be part dependent. Production rates above are based on standard soda lime glass and a part width of 1450mm (57 in.). Wider parts, special coatings or other glass compositions will have lower production rates.

c. Floor Space Requirements for Heater System

	Total Length		Total Width		Total Height		Blower Room	
	(M)	(Ft)	(M)	(Ft)	(M)	(Ft)	(M)	(Ft)
Standard Capacity	52.5	172	20	66	7.3	24	(20 x 14)	(66 x 46)
High Capacity	63	206	20	66	7.3	24	(20 x 14)	(66 x 46)

Installed Electric Power

	Heating	Quenching*	After Cooler	Mold Pre-Heater	Drives	Total
	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)
Standard Capacity	3150	1275	188	180	60	4853
High Capacity	3610	1350	225	180	60	5425

*Quench power based on ECE capability for 2.8mm thickness.

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