

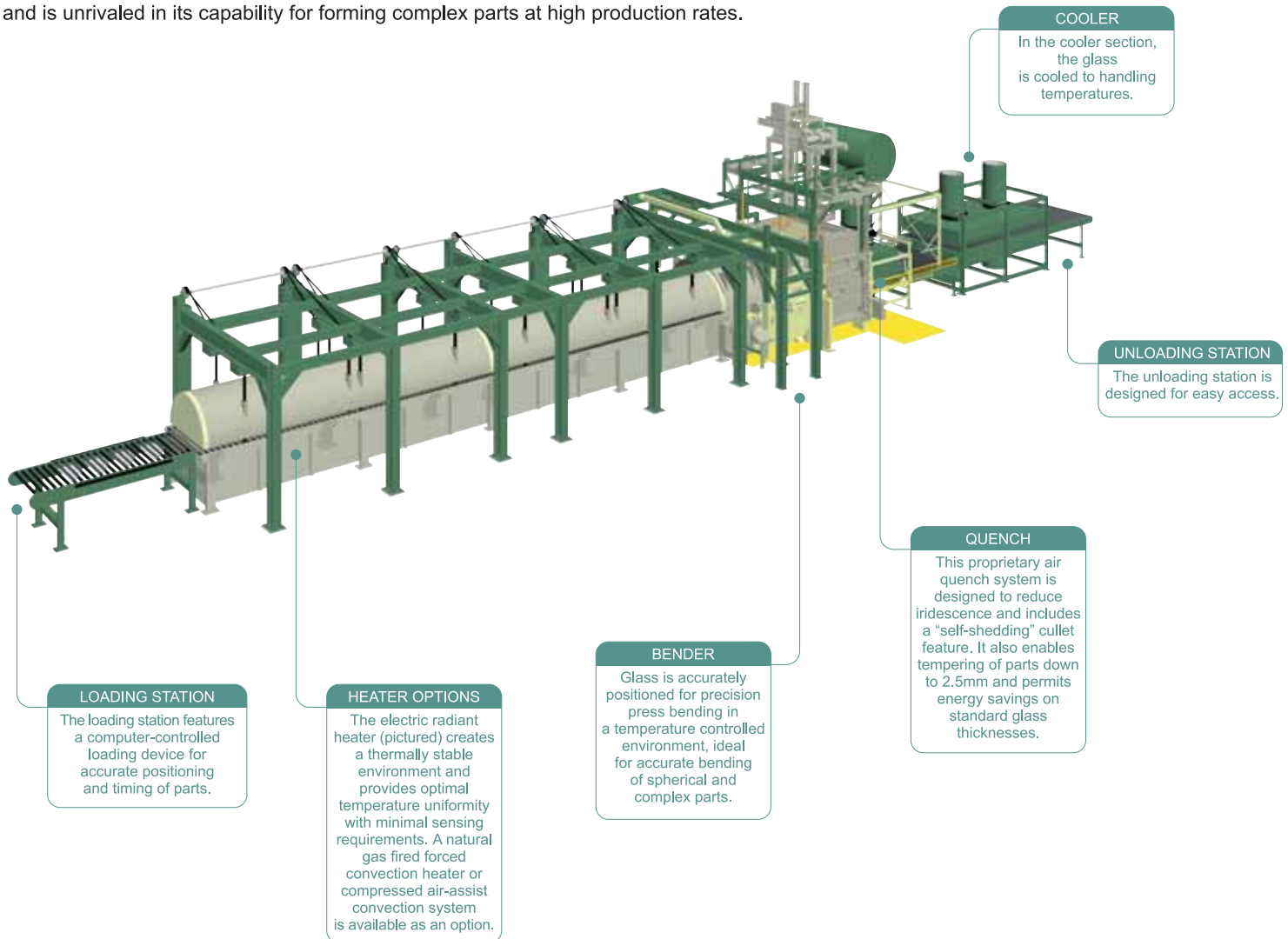
## AUTOMOTIVE SDB-T™

SUPER DEEP BEND FORMING AND TEMPERING SYSTEM FOR AUTOMOTIVE SAFETY GLASS

The SDB-T system is Glasstech's most advanced world-class forming and tempering system for the production of automotive backlites and sidelites. It is capable of producing the most complex glass shapes required by the global automotive industry at the highest production rates available for complex parts. The system incorporates Quick Change tooling capabilities so that productivity is maximized even when short-run just-in-time production is required.

The SDB-T system is available with Glasstech's traditional Electric Radiant Heater (ERH). Furthermore, the system can also be equipped to produce energy-efficient low-emissivity coated glass. This is accomplished by heating using either Glasstech's patented Forced Convection Heating (FCH) technology or by using Glasstech's patented ERH2-C2™ or ERH2-C3™ aspirated convection-assisted ERH technology.

The SDB-T system produces backlites and sidelites at production rates of up to 300 parts per hour, and is unrivaled in its capability for forming complex parts at high production rates.



# AUTOMOTIVE SDB-T™

## TECHNICAL FEATURES

### PRODUCTION RATE CAPABILITY

Depth of Bend		Glass Thickness*	Tool Change Time	Cloth Change Time	Cycle Time	Load Rate
millimeters	inches	millimeters	minutes	minutes	sec/load	per hour
< 380	< 15	3.0 - 6.0	240 (cold tool) 120 (hot tool) glass to glass	20 glass to glass	17	212
< 250	< 10	3.0 - 5.0			14	257
< 125	< 5	3.0 - 3.5			12	300

\*The SDB-T system is capable of tempering 2.8mm glass for most part sizes. A 2.8mm tempering capability option for all parts is also available.

### PART FORMING CAPABILITY

Glass Thickness	Size		Depth of Bend		Radius of Curvature		Crossbend		Temper
millimeters	millimeters	inches	millimeters	inches	millimeters	inches	millimeters	inches	
3.0 - 6.0	1220 x 1828	48 x 72	380	15	80	3	50	2	ECE R43 ANSI Z26

### FURNACE DIMENSIONS

Width		Load Table Length		Heater Length		Bender Length		Quench Length		Cooler Length	
millimeters	inches	meters	feet	meters	feet	meters	feet	meters	feet	meters	feet
1828	72	3.2	10.5	23.8	78	4.3	14	4.3	14	12.2	40

### FLOOR SPACE REQUIREMENTS

Total Length		Total Width		Total Height		Bender Pit		Control Room		Blower Room	
meters	feet	meters	feet	meters	feet	meters	feet	meters	feet	meters	feet
52	170	5.5	18	7	23	2.5 x 4 x 2.5	8 x 14 x 8	3 x 18 x 2.5	10 x 60 x 8	30 x 15 x 5	100 x 50 x 15

### INSTALLED ELECTRIC POWER

Heater (kW)	Bender (kW)	Bender Gas (MM Btu/hr)	Motors/Drives (kW)	Quench Fans (kW)	Cooling Fans (kW)
2478	500	7.5	168	1200	350



GLASSTECH, INC. | Mumbai Liason Office  
710, Sagar Tech Plaza - B  
Sakinaka, Andheri - East, Mumbai 400 072  
PHONE/FAX: +90-22-6710-1629

GLASSTECH, INC. | 995 Fourth St.  
Ampoint Industrial Park, Perrysburg, OH 43551 U.S.A.  
+1-419-661-9500 | FAX: +1-419-661-9616

GLASSTECH, INC. | Shanghai Representative Office  
Unit D of 28th Floor, Time Square  
500 Zhangyang Road, Pudong New Area, Shanghai  
+86-21-5836-7560 | FAX: +86-21-5836-8968

GLASSTECH LIMITED | P.O. Box 62  
Shrub Hill Rd., Worcester, WR4 9RQ England  
+44-1905-723663 | FAX: +44-1905-20400



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