

INTRODUCING – Glasstech CRB-S™ 1900 for Solar Parabolic Shapes

The CRB-S™ system has been specifically designed to meet customer requirements for high-output, ease of operation and high repeatability for forming flat glass into parabolic or cylindrical shapes with the advanced benefit of strengthening the parts. The glass shapes produced on the Glasstech CRB-S system can be heat strengthened or fully tempered, depending on the thickness. Fully tempered glass is up to five times stronger than annealed glass and provides increased impact and wind-load resistance, and if broken, results in small pieces which are much safer for workers and other components nearby.

The NEW Glasstech CRB-S 1900 System

- RP-2, RP-3 and RP-4 (up to 1900mm wide) part size capability
- Processes up to 189 loads per hour, depending on glass thickness, load size and heater length
- Uses much less energy than traditional sag process
- Can change shape set-ups in 60 minutes or less within part groups
- Forms glass without dedicated tooling
- Achieves superior repeatability and shape control while strengthening the glass
- Processes fully tempered or heat strengthened glass shapes

The CRB-S system is now available in 1900mm (74.8”) width and features a combination bending /quenching station with upper and lower flexible beds. When bending is complete, the glass can be quenched by a high-efficiency quenching system to provide fully tempered or heat-strengthened glass. The CRB-S can also process thin glass suitable for lamination.

Production is controlled by a user-friendly Allen-Bradley ControlLogix™ PLC controller. Setups can be stored and recalled, permitting changeover times of 60 minutes or less, dependent on glass thickness, shape and dimensions. No part-dedicated tooling is required.

The CRB-S 1900 system offers maximum production flexibility in processing the broad range of shapes, sizes and thicknesses desired by the concentration solar-thermal power industry with the added advantage of glass strengthening.

Production Capability - 1900mm Wide System		Low-Iron Glass*		
Glass Thickness**		48' Oscillator Loads/Hr	72' Continuous Loads/Hr	108' Continuous Loads/Hr
(mm)	(in)	Part Length 1700mm	Part Length 1700mm	Part Length 1700mm
1.6	.063	105	150	189
2.2	.087	105	150	189
3.0	.118	96	150	189
4.0	5/32	72	128	189

* Production rates for product from different raw glass manufacturers, glass compositions and coatings will vary.

** 1.6mm (.063”), 2.2mm (.087”) and 3mm (.118”) are heat strengthened only; 4mm (5/32”) can be heat-strengthened or fully tempered;

Part length up to 1700mm perpendicular to bend; Heat strengthened is defined as between 3,500psi and 7500psi, Full temper is defined as >10,000psi

