

TECHNICAL DATA SHEET CURVESHIELD (FGTDS-IS-11)



Our CurveShield units are manufactured on the latest cylindrical bending system that is controlled through a millimeter-precise integrated gear system, ensuring absolutely even radius throughout the width of the glass. The heating is controlled through a high-powered top-and-bottom convection heating system that enables heat-treatment of the most advanced coatings available in the market. Along with this the machine is equipped with an advanced and precise cooling (or quenching) system to ensure minimum levels of iridescence.

TECHNICAL SPECIFICATIONS

Description	Levels
Process Type	Horizontal Roller-Hearth Convection Furnace
Glass Types	Clear, extra clear, ultra clear, tinted, solar-control coated, low-E coated
Glass Thickness	6.00 mm to 19.00 mm
Edge Type	Rough grind, arrissed, super polished
Compressive Stress (Surface)	30 MPa to 52 MPa (4,300 Psi to 7,500 Psi) - Heat-Strengthened
Compressive Stress (Surface)	69 MPa (10,500 Psi) minimum - Fully Toughened

DIMENSIONS

Description	Levels
Minimum Size	800 mm (W) X 600 mm (H)
Maximum Size	2500 mm (W) X 3000 mm (H)
Minimum Bending Radius	1000 mm (6.00 mm and 8.00 mm)
	1800 mm (10.00 mm)
	2500 mm (12.00 mm and 15.00 mm)
	3000 mm (19.00 mm)

UNIQUE SELLING POINTS

Description	Levels
Heating System	Top-and-bottom forced turbo-charged convection system
Heating Control	Heat-scanner with precise measurement points
Cooling Type	Cylindrical gear-operated bending
Adaptability	Can be made into laminated and insulated units