

GLASS PROCESS SYSTEMS

- ◆ Spandrel Systems [G101](#)
- ◆ Glass Bending Systems
- Single Station Bender [G102](#)
- Shuttle Bender [G102](#)
- (4) Cart Bender [G102](#)
 - Auto Windshields
 - Aircraft Windshields
 - Furniture Glass
- ◆ Flat Glass Laminating Systems [G104](#)
 - Windows
 - Safety/Security Glass
 - Bullet Resistant Glass
- ◆ Decorating Large Format Glass [G105](#)
- ◆ Novel Designs for Glass Laminating [G106](#)
- ◆ Pointers for Setting Up a Continuous Glass Laminating Line [G107](#)
- ◆ Batch Laminating [G109](#)
 - No Autoclave


CASSO SOLAR TECHNOLOGIES

506 Airport Executive Park
Nanuet, NY 1054 USA
Tel:1-845-354-2010
Fax:1-845-547-0328

Email:sales@cassosolartechnologies.com
www.cassosolartechnologies.com

TYPICAL APPLICATIONS:

- ◆ Aftermarket Automotive, Truck, Bus and Recreational Vehicle Glass
- ◆ Bullet Resistant and Armored Vehicle Glass
- ◆ Aircraft Glass
- ◆ Furniture, Display Case and Lighting Fixture Glass
- ◆ Annealed, Laminated, and Bent Appliance Glass
- ◆ Pattern Glass, Slump Glass & Specialty Glass Products

CONFIGURATIONS:

- ◆ Single Station Bender - Single Cart/Single Furnace
- ◆ Shuttle Bender - Two Carts/Single Furnace
- ◆ Quad Bender - Four Carts/Single Furnace

FURNACE SECTION:

- ◆ Electric IR For Precise and Repeatable Process Control
- ◆ Flat Panel Electric Furnace Heaters with Discrete Zoning from 3"x3"
- ◆ Externally Wound Electric Tubular Quartz Heaters for Fast Response and Cross Directional Control
- ◆ Programable Electric Crease Heaters with 3-Axis Positioning, Placing Energy Where It Is Required, Option
- ◆ Mold Mounted Crease Heaters, Option

PREHEAT/COOLING SECTIONS:

- ◆ Removable Cart Covers in Load/Unload Area
- ◆ Preheat and Anneal Heaters in Cart Covers, Option
- ◆ Forced Air or Radiant Cooling Sections, Option

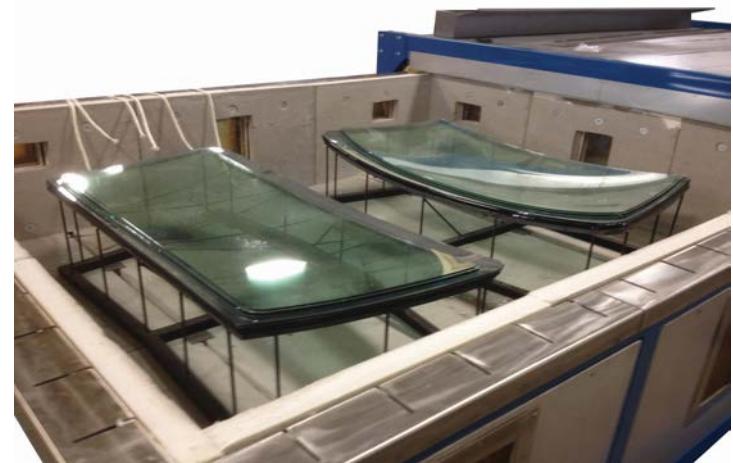
CARTS:

- ◆ Large Diameter Wheels for Easy Motion
- ◆ Precision Bearings and Guides
- ◆ High Temperature, Low Density Ceramic Fiber Insulation
- ◆ Viewing Windows with Access Doors
- ◆ Power Drive Option

BASE MODELS*:

M = SS: Single Station Bender with (1) Cart; M = SB: Shuttle Bender with (2) Carts; M = QB: Quad Bender with (4) Carts

All base models utilize flat panel heaters at 20 wsi; all units available at 200/220/240; 380/415; 440/460/480; 575/600 volts, 50 or 60 Hz


CONTROLS:

- ◆ Solid State Power Controls, 0-100% Adjustable
- ◆ PLC Control with Recipe Storage/Recall for Automatic Setup
- ◆ Optical Pyrometer Monitors Part Temperature, Option
- ◆ Data Logging and Process Reporting/Documentation, Option
- ◆ Manual Operation Overide with "Learn" Mode
- ◆ NEMA 12 Enclosure
- ◆ Meets UL, cUL, CE, NFPA and NEC Codes

ADVANTAGES:

- ◆ Minimum floor space requirement
- ◆ Lowest power usage, highest yield
- ◆ Minimum maintenance required
- ◆ Four decades of experience and total process support

Model#	Glass Size	Furnace Size	KW Available	Max. Bent Depth	Cart Depth	No. of Zones		Load Area Roof	Preheaters	Cross Heaters	PLC
						SS/SB	QB				
M3672	36"x72"	48"x84"	81	18"	24"	7	14	SS & SB Optional QB Included	Optional for All Models	Optional for All Models	SS & SB Optional QB Included
M4884	48"x84"	60"x96"	115	18"	24"	8	16				
M6096	60"x96"	72"x108"	155	18	24"	9	18				
M84120	84"x120"	96"x132"	253	18"	24"	11	22				
M108144	108"x144"	120"x156"	374	18"	24"	13	26				

* Custom Configurations available

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