

## GLASS PROCESS SYSTEMS

- ◆ Spandrel Systems G101
  - Spandrel Glass
  - Screen Printed Glass
  - Decorative Glass
- ◆ Glass Bending Systems
  - Single Station Bender G102
  - Shuttle Bender G102
  - (4) Cart Bender G102
  - Serial Bender G103
- ◆ Flat Glass Laminating Systems G104
  - Windows
  - Safety/Security Glass
  - Bullet Resistant Glass
- ◆ Vacuum Ring Ovens G105
  - Automotive Windshields
  - Automotive Sidelites
  - Bent Safety Glass
- ◆ Decorative Dryers G106
  - Appliance Glass
  - Furniture Glass
  - Novelty Glass
- ◆ Automotive Ink Drying and Cooling G107
  - Windshields
  - Back Lites
  - Side Lites
- ◆ Specialty G108
  - CRT Faces
  - Touch Screens
  - Scratch Resistent Coatings
  - Anti-Glare Coatings
  - Mirror Backing Coatings

## 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
- ◆ 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 or Gas
- ◆ Flat Panel Electric Furnace Heaters with Discrete Zoning from 3"x3"
- ◆ Externally Wound Electric Tubular Quartz Heaters for Fast Response and Cross Directional Control
- ◆ Programmable 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

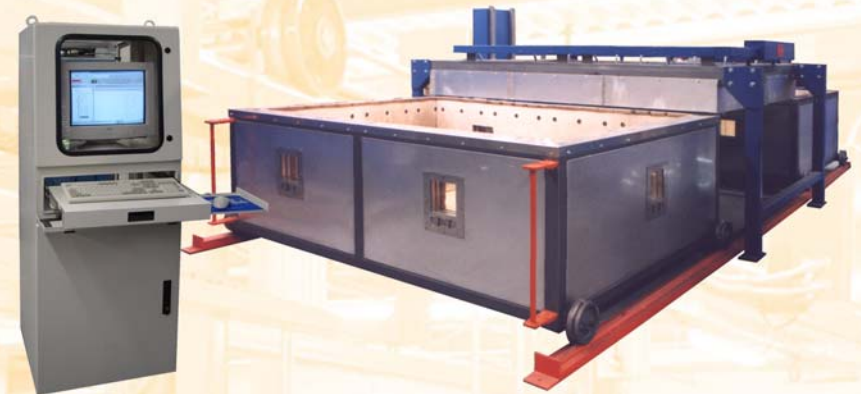
## CARTS:

- ◆ 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
- ◆ Optical Pyrometer Monitors Part Temperature, Option
- ◆ PLC or SCADA Operator Control with Recipe Storage/Recall, Option
- ◆ Data Logging and Process Reporting/Documentation, Option
- ◆ Manual Operation Override with "Learn" Mode
- ◆ NEMA 12 Enclosure
- ◆ Meets Underwriters Laboratories, CSA, 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				



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\* Custom Configurations available

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