

GLASS PROCESS SYSTEMS

- ◆ Spandrel Systems [G101](#)
- ◆ Glass Bending Systems
 - Single Station Bender [G102](#)
 - Shuttle Bender [G102](#)
 - (4) Cart Bender [G102](#)
 - Serial Bender [G103](#)
 - Auto Windshields
 - Aircraft Windshields
 - Furniture Glass
- ◆ 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:

- ◆ Spandrel Glass for Architecture
- ◆ Screen Printed Glass for Obscuration Panels and Partitions
- ◆ Decorative Glass for Doors and Windows
- ◆ Spandrel glass with fallout protection

INK TYPES:

- ◆ ICD OPACI-COAT-300® & OPACI-COAT-500®
- ◆ Water Based Ceramic Ink, Lead Free Opacifying Ink.
- ◆ Water Based Ceramic Ink, Lead Free Translucent Etch Coating.

SPECIFICATIONS:

Specs	Model	60CO	72CO	84CO	96CO
Glass Width		60"	72"	84"	96"
Heated Width		72"	84"	96"	108"
Heated length		20 FT	20 FT	20 FT	20 FT
Connected Load		190 KW	222 KW	253 KW	285 KW
Exhaust Capacity		4000 CFM	4000 CFM	4000 CFM	4000 CFM
Estimated Power Consumption Based on 50% Conveyor Utilization:					
	OPACI-COAT-300®*	76 KW/HR	85 KW/HR	100 KW/HR	110 KW/HR
	Ceramic	125 KW/HR	145 KW/HR	170 KW/HR	185 KW/HR
	Etch	110 KW/HR	130 KW/HR	155 KW/HR	170 KW/HR

PRODUCTION CAPABILITIES:

Ink Types	Line Speed	Glass/Coating Thickness	Drying Dwell Time	Exit Temp.
OPACI-COAT-300®*	4 - 10 FPM	6mm/8-12 mil wet	1.6 - 4.0 Min.	190°F
Ceramic	6 - 8 FPM	6mm/3-6 mil wet	1.6 - 2.0 Min.	300-350°F
Etch	6 - 10 FPM	6mm/1-mil wet	1.6 - 2.0 Min.	300-350°F



FEATURES:

- Roll Coater: Union Tool Heavy Duty Series #45, Tricoater Reverse/Direct Roll Coater
- System Length: Overall 46'-8" Including 10 FT Infeed, 10 FT Intermediate Conveyors
- Conveyor Speed: 3 - 12 FPM
- Roll Spacing: 8" (16" minimum glass size)
- Compliance: Underwriter's Laboratories, CSA, cUL, NFPA, NEC, CE
- Controls: PLC Operator's Comtrols

OPTIONS AVAILABLE:

- ◆ Power Management System
- ◆ Spare Coating Roll
- ◆ Cooling Section
- ◆ 6" Roll Spacing (12" minimum glass size)
- ◆ Unload Conveyor
- ◆ SCR Power Controls
- ◆ Custom Systems

ADVANTAGES:

- ◆ Minimum floor space requirement
- ◆ Lowest power usage
- ◆ Maximum green strength developed
- ◆ System size based on green strength requirements
- ◆ Documented tests of all current ceramic inks and Opacicoat
- ◆ Minimum maintenance required
- ◆ Five decades of experience
- ◆ Over fifty systems operating



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