

Heated Roller Press**Model: HRP****Designed for High-Speed Production of DuraSeal Insulating Glass Units**

The PST Heated Roller Press is engineered for high-speed production of insulating glass units using DuraSeal® spacer systems. Combining controlled heating, precision roller compression, variable-speed operation, and integrated temperature monitoring, the press provides consistent processing and accurate IG unit sizing. Its unique 90° tilting upper heating assembly provides quick, convenient access for lamp replacement and cleaning, significantly reducing maintenance time and labor.

**Features & Benefits**

- Designed specifically for high-speed DuraSeal® IG unit production.
- Available in 60" and 84" roller widths with 4, 5, 6, or 7 compression roller sets.
- Upgradeable design: All presses use a seven-set machine frame, allowing additional roller sets to be added as production requirements grow.
- Heavy-duty tubular steel frame provides long-term durability.
- Precision 7" diameter vulcanized nitrile compression rollers provide consistent unit sizing.
- 416 stainless-steel oven conveyor rollers resist corrosion and wear.
- Variable-speed positive chain drive provides smooth, controlled operation.
- Digital height gauge displays precise compression roller spacing.
- Zoned heating system helps control power consumption and processing temperatures.
- Integrated optical temperature sensing monitors glass temperature as each IG unit exits the press.
- Temperature monitoring allows operators to adjust press speed for optimal processing.
- Controlled heat and compression promote proper DuraSeal wetting and sealing to both glass lites.

Unique 90° Tilting Heating Assembly

- Upper heating lamp assembly pivots from horizontal to 90° vertical using a cable-and-winch system.
- Provides full access to both upper and lower heating sections for cleaning and maintenance.
- Allows a single operator or small maintenance crew to quickly replace burned-out quartz heating lamps.
- Eliminates the need to completely remove upper and lower lamp housings for routine maintenance.
- Helps minimize downtime and encourages maintenance of a full complement of functioning heating lamps.
- Quick access can reduce typical lamp replacement and cleaning time to approximately 30–45 minutes, depending on the work required.

Processing Control

- Integrated optical temperature sensing eliminates the need for separate temperature measurement equipment.
- Operators can monitor glass temperature as units exit the heated section.
- Variable press speed allows operators to fine-tune processing conditions.
- Precision roller compression provides consistent IG unit dimensions and sealing pressure.

Maintaining proper glass temperature helps promote effective DuraSeal wetting.

Model	HEATED ROLLER PRESS			
	Shipping Specifications			
	Press Weight (Lbs.)	Oven Weight (Lbs.)	Press Dimensions (LxWxH)	Oven Dimensions (LxWxH)
HRP-60-5	2500	2400	2500 / 2400	102x82x60
HRP-84-5	3000	2800	3000 / 2800	126x82x60
HRP-96-5	3300	2900	3300 / 2900	138x82x60
HRP-84-7	3480	2800	3480 / 2800	126x82x60

Typical Applications

- DuraSeal® insulating glass unit production
- High-volume IG manufacturing
- Automated spacer sealing and compression
- Production environments requiring precise heat and compression control

Why Choose the PST Heated Roller Press?

- High-speed production with precise heat and compression control.
- Expandable roller configuration protects the initial equipment investment.
- Integrated temperature monitoring improves process consistency.
- Unique tilting heating assembly dramatically simplifies maintenance.
- Reduced maintenance downtime helps keep production running efficiently.
- Heavy-duty construction and premium components provide long service life.