

Antistatic Ion Bar Retrofit Kit

For Heatpulse® 8108, 4100 and 4108

SemiStar Corp – Your Trusted Partner for AG Associates Heatpulse RTP Systems

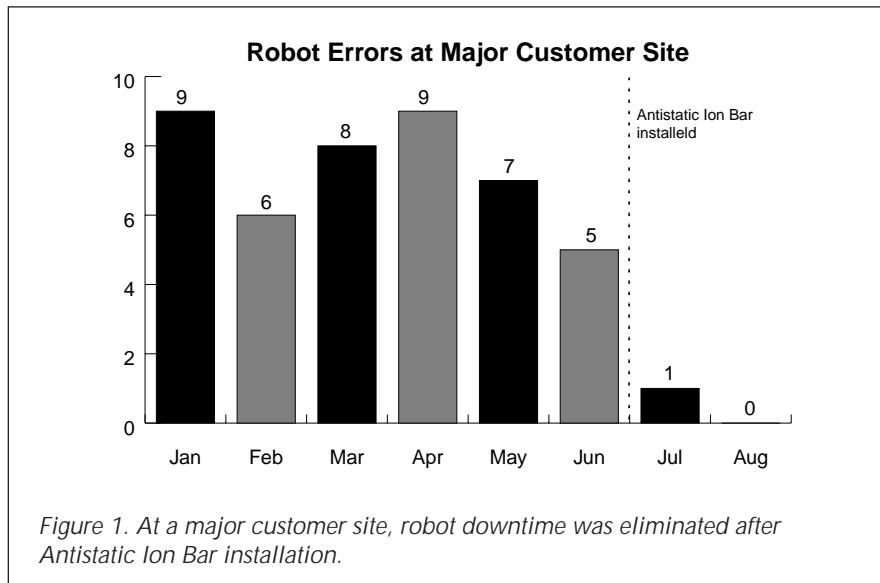
Looking for a reliable source for your aging AG Associates Heatpulse 4100, 4108, 8108, 8800, or 8800i Rapid Thermal Processors? SemiStar Corp is the go-to expert for refurbished equipment, genuine OEM spare parts, and professional service.

We maintain extensive inventory of used RTP systems and original parts, and our engineers have over 25 years of hands-on experience servicing AG Associates Heatpulse tools. Still relying on non-specialized vendors? Frustrated by unstable equipment or inconsistent processes caused by second-source parts? Stop chasing problems on your own.

Contact us today at sales@semistarcorp.com

and let us handle the issues for you—so you can focus on more important work... or simply enjoy your coffee.

The Antistatic Ion Bar is designed to reduce electrostatic charges on wafer handling components in the laminar flow hood of Heatpulse automatic systems. The electrostatic charges, when discharged, can lead to an increase in robot errors and system downtime. The Antistatic Ion Bar prevents electrostatic discharges by creating a shower of positive and negative ions to neutralize voltage buildup in the laminar flow area and draining the charges from incoming wafer cassettes. A dramatic decrease in robot downtime can be expected after installation of The Antistatic Ion Bar, as shown in the customer operating data below. (See Figure 1.) The product is now standard on Heatpulse 8108 and is recommended as a retrofit for all automatic Heatpulse systems.



Features and Benefits

- Positive and negative ion generation eliminates voltage buildup on cassettes and wafers, increasing system availability.
- User-adjustable ionization rate reduces static voltage to acceptable levels in seconds.
- Silicon emitter points are designed for Class 1 semiconductor environment particle tolerances and are easily replaced on-site. Annual maintenance of the emitter points is recommended.
- Ozone generation is <0.005 ppm in 24 hours to maintain a safe environment.
- UL® listed for safety.
- One-year warranty.

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Retrofit Kit Includes:

- Antistatic Ion Bar: 24 VAC, 50/60 Hz, 1 watt input; 0-15 KV DC output
- Controller: 120/240 VAC, 50/60 Hz
- Necessary wiring and connectors
- Wafer handling area upper cover (Heatpulse 8108 only)
- Installation documentation
- Mounting clips for direct mounting on ceiling of the laminar flow hood on Heatpulse 8108 or Heatpulse 4100S only (See Figure 2.)
- Wafer handling area upper cover (8108 installations only)

Note: A spare electrical outlet (120/220 VAC) on the Heatpulse power system is required for installation (not included).

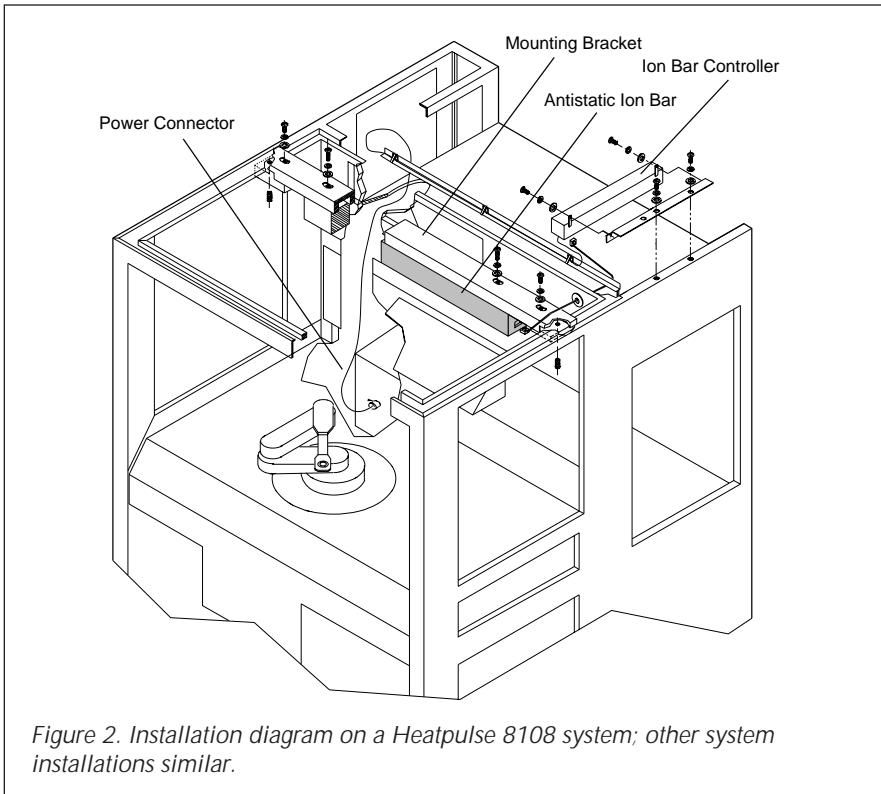


Figure 2. Installation diagram on a Heatpulse 8108 system; other system installations similar.

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For Heatpulse 4100, 4100S, 4108 0641-0813-01

For Heatpulse 8008 0641-0619-02

Mounting location user-defined on Heatpulse 8008 (mounting brackets not included)

For Heatpulse 8108 0641-0619-03

Removal and replacement of the Heatpulse 8108 wafer handling area upper cover is required for installation (cover included)