

Granville-Philips® Stabil-Ion® Upgrade for GSD Classic Ion Implanters

Turn-Key Upgrade Package:

Brooks offers a performance-enhancing, fully-integrated Granville-Philips Stabil-Ion Gauge upgrade solution for the GSD Classic Ion Implanter:

- Stabil-Ion Gauges and 360 Controller replace the Bayard-Alpert glass ion gauges and controller.



Value Proposition:

This upgrade is for customers who are tasked with increasing yield and enhancing process control. This upgrade improved gauge accuracy to increase wafer throughput by improving pressure compensation.



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Features

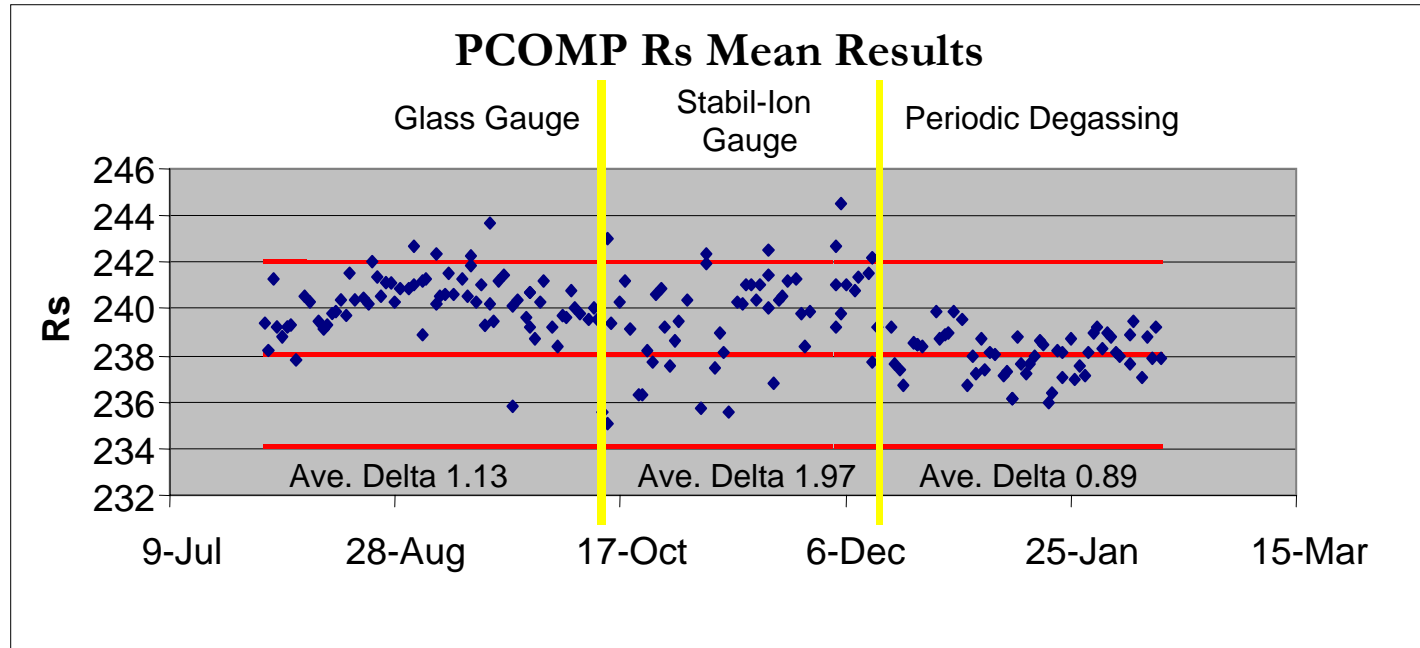
- High “Gauge-to-Gauge” Reproducibility.
- Far superior in construction and performance.
- If the GSD uses P-Com, then the SIG can likely have a significant increase to the overall dose uniformity.

Benefits

- Improve Process “Standard Deviation” and Yields
- Improve Pressure Readout Stability Over Time
- Improve Process Control
- Improved dose accuracy for GSD with P-Comp
- Extended usable gauge life
- Greatly improve dose accuracy for GSD systems that utilize Pressure Compensation (P-Comp).
- Provides improved pressure readout stability over time.



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- Rs variation increased with Stabil-Ion gauge until periodic degassing was implemented
- Periodic degas is recommended for optimum performance
- Testing has shown reduction by greater than 30% in standard deviation of Rs monitors

