Apogee® Bake Plate

With DataStream™ Technology

Cee® Apogee® Bake Plates are your ultimate solution for precision thermal processing of semiconductor substrates. Designed with cutting-edge technology, our bake plates ensure unparalleled, track-quality performance and uniformity in a user-friendly and space saving design.

Cost Effective Equipment

Serving the Semiconductor Industry Since 1987

BENEFITS

- Certified by TÜV SÜD's Nationally Recognized Testing Laboratory
- Compact design for minimized footprint
- Enhanced logging
- Cool touch exhausted hood
- Smart Pins for programmable height control
- Adjustable exhaust gate
- DataStream™ technology
- Durable benchtop design *also available in a flange/deck mountable configuration*
- Optional X-Pro II workstation integrates equipment with an upper exhaust enclosure for process fume control.

BAKE HOOD DESIGN

- All stainless-steel construction
- Unique 2-layer design reduces exterior hood temperature
- Exhausted hood for removal of process chemicals
- Optional nitrogen purge inert bake environment

PROGRAMMABILITY

- Full-color touchscreen graphical user interface (GUI)
- Supports unlimited bake process programs/program steps per recipe
- 0.1 second step time resolution (9,999.9 seconds maximum step time)
- Temperature data logging
- Three automated bake methods: contact, vacuum, proximity (N2 or lift pins)
- Bake plate auto-sizing for 2", 3", 100mm, 150mm, and 200mm substrates
- Smart Pin™ height programmed in 0.1 increments with an overall range of 0-19mm
- Up/download DataStream™ process parameters via native USB and Ethernet ports

PRECISION

- Substrate sizes of <10mm to 200mm round; 8" x 8" square
- Temperature resolution: 0.1°C
- Temperature range: ambient to 300°C (400°C optional)
- Temperature uniformity: ±0.3% across working surface

RELIABILITY

- Industry leading uptime
- 1-year full warranty on parts and labor
- Complimentary remote technical support for the life of the product
- Application process assistance for the life of the product

UTILITIES

- Voltage Ranges: 100-125; 208-230VAC
- Power Requirements: ·1703W (13.6A); 1453W (6.3A) max
- Exhaust Port: 2” OD, 0.4” H_2O@10CFM (100Pa@17 CMH)
- Vacuum: 20inHg (33kPa abs)
- N2 (for bake plate proximity): 35psi (241kPa)

DIMENSIONS

- 13.25” (336.6mm) W × 21” (533.4mm) D × 17.25” (438.15mm) H
- machine weight 65lbs (29.5kg) excluding accessories

DATASTREAM™ TECHNOLOGY: CONNECTING THE SEMICONDUCTOR INDUSTRY

DataStream™ technology gives you access to all of your connected Apogee® manufacturing equipment in one place to track, access, and modify your systems via a web browser. This technology provides manufacturers with the ability to process and visualize data in real time and search and export that data into a number of different formats.

Real-Time Process Information

- Constant feedback of process information for monitoring critical process parameters
- Streamlined interface between different process modules
- Visual cues on process status & health

Environmental Monitoring

- Monitoring of temperature & humidity allows for stricter control of critical processes
- Set preconditions and tolerances for monitored parameters
- On-screen, colored visual cues for deviation from controlled specs

Advanced Recipe Creation

- Seamless switching between basic and advanced recipe creation methods
- Plain-English recipe translation
- Predefined process commands
- Unlimited process steps
- Unlimited recipe storage

Data Logging & Export

- Export data logs into commonly readable formats for further analysis and process troubleshooting
- Increase process efficiency
- Identify process control deviations
- Analyze multiple processes for best known method (BKM) development

© 2024 Cost Effective Equipment, LLC.

All statements, technical information, and recommendations contained herein are based on tests we believe to be accurate, but the accuracy or completeness thereof is not guaranteed and the following is made in lieu of warranty expressed or implied. Neither the seller nor the manufacturer shall be liable for any injury, loss, or damage, direct or consequential, arising from the use or inability to use the product. Before using, user shall determine the suitability of the product for his intended use, and user assumes all risk and liability whatsoever in connection therewith. No statement or recommendation contained herein shall have any force or effect unless in an agreement signed by officers of the seller and manufacturer.

Effective Date: 1/30/2024 Rev C