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
- Full Load Current: ·13.6A(@100V); 6.3A (@208V)
- 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

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