

Apogee® 300 Bake Plate

With DataStream™ Technology

Experience unparalleled precision and thermal uniformity with the Cee® Apogee® 300 Bake Plate. Engineered with cutting-edge technology for process and R&D engineers working with large-area substrates, it can handle sizes of up to 300mm round or 12" square. Achieve track-quality performance and uniformity effortlessly with our user-friendly, space-saving design.

Serving the Semiconductor Industry Since 1987



BENEFITS

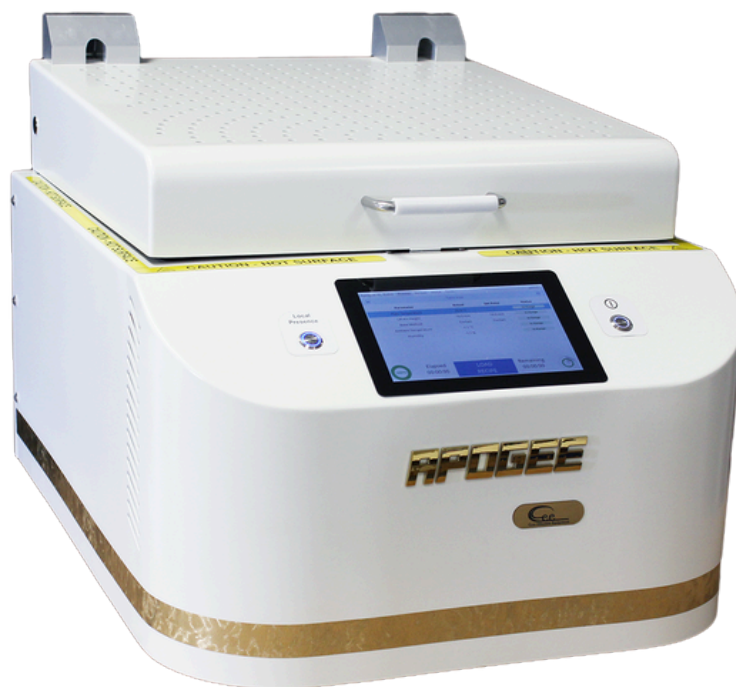
- Certified by TÜV SÜD's Nationally Recognized Testing Laboratory
- Compact design for minimized footprint
- Enhanced logging
- Cool touch exhausted hood
- Smart Pins for programmable height control
- Adjustable exhaust gate
- DataStream™ technology
- Durable benchtop design *also available in a flange/deck mountable configuration*
- Optional X-Pro II workstation integrates stand-alone cabinet 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 100mm, 150mm, 200mm and 300mm 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
- Optional nitrogen purge for inert bake environment



PRECISION

- Substrate sizes of up to 300mm round; 12" square
- Temperature resolution: 0.1°C
- Temperature range: ambient to 300°C (400°C optional)
- Temperature uniformity: $\pm 0.3\%$ 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: 208-230VAC, 50/60Hz
- Power Requirements: 3669W (16.3A) *max*
- Exhaust Port: 2" OD, 0.4" H₂O@10CFM (100Pa@17 CMH)
- Vacuum: 20 inHg (33kPa abs)
- N₂ (for bake plate proximity): 35psi (241kPa)

DIMENSIONS

- 18.75" (477mm) W x 26.25" (667mm) D x 17.75" (451mm) H
- machine weight: 146lbs (66.2kg) *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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