

# Apogee™ Bake Plate

With DataStream™ Technology

With its revolutionary intuitive interface, durability, and track-quality thermal accuracy and uniformity, the Cee® Apogee™ Bake Plate will provide years of high-performance and user-friendly operation for substrates up to 200mm round or 8" square.

*Serving the Semiconductor Industry Since 1987*



## BENEFITS

- Compact design for minimized footprint
- Full-color, 7-inch touch screen display
- Durable wet bench design is also available in a flange/deck mountable configuration
- Enhanced logging
- Cool touch exhausted hood
- Smart Pins for programmable height control
- Adjustable exhaust gate
- DataStream™ technology

## 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 for inert bake environment

## PROGRAMMABILITY

- Touch screen interface and display
- Full-color alphanumeric-capable graphical user interface (GUI)
- Supports unlimited bake process programs/program steps per recipe
- 0.1s resolution for step times with a range of 0 to 9,999.9-s/step
- Four automated bake methods: contact, vacuum, proximity, and lift pins
- Bake plate auto-sizing for 2-inch, 3-inch, 100mm, 150mm, and 200mm substrates
- Temperature data recording
- Smart Pins programmable in 0.1mm increments with an overall range of 0 to 19mm
- Up/download DataStream™ process parameters via native USB and Ethernet ports



## PRECISION

- Substrate sizes: up to 200mm round; 8-inches x 8-inches square
- Temperature resolution: 0.1°C
- Temperature range: ambient to 300°C (400°C optional)
- Temperature uniformity:  $\pm 0.3\%$  across working surface

## RELIABILITY

- Exceptional uptime
- 1-year full warranty on parts and labor
- Complimentary remote technical & process application support for the life of the product

## UTILITIES

- Voltage ranges: 100-125, 208-230VAC
- Power requirements: 100-125VAC: 1702W (13A) max  
208-230VAC: 1378W (6.5A) max
- Exhaust port: 2-inch OD
- Vacuum: 20-inches Hg
- Exhaust: 5 to 10cfm
- N<sub>2</sub> (for bake plate proximity): 35psi

## DIMENSIONS

- 13.25" (336.6mm) W × 21" (533.4mm) D × 17.25" (438.15mm) H
- Machine weight: 70lb (31.8kg)
- Shipping weight: 148lb (67.1kg)

# 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 will give manufacturers 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 tool types
- Visual cues on process status & health

### Advanced Recipe Creation

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

### 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

### 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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