

Apogee™ Spin Coater

With DataStream™ Technology

The Cee® Apogee™ precision spin coater delivers track-quality performance with revolutionary interface capabilities and the utmost in chemical compatibility in an efficient, space-saving design.

Serving the Semiconductor Industry Since 1987



BENEFITS

- Compact design for minimized footprint
- Full-color, 7-inch touch screen display
- High-density polyethylene (HDPE) spin bowl for maximum chemical compatibility
- Durable benchtop design that is also available in a flange/deck mountable configuration
- DataStream™ technology

BOWL DESIGN

- High-density polyethylene (HDPE) spin bowl
- Optional polyethylene disposable liners available
- Versatile lid design allows process flexibility and repeatability
- Optional nitrogen purge for an inert spin environment
- Integrated drain and exhaust ports

PROGRAMMABILITY

- Touch screen interface and display
- Full-color alphanumeric-capable graphical user interface (GUI)
- A virtually unlimited number of user-defined recipe program steps
- 0.1-second resolution for step times (9,999.9 seconds maximum step time)
- Spin speed: 12,000 rpm
- Spin speed acceleration:
 - 0 to 30,000 rpm/s unloaded
 - 0 to 23,000 rpm/s with a 200-mm substrate
 - 0 to 3,000 rpm/s with a 6" x 6" x 0.250" photomask in a recessed chuck
- Connectivity: USB/Ethernet port for communications for uploading/downloading process parameters with DataStream™ technology
- Simultaneous, automated, multi-dispense capability



PRECISION

- Spin speed repeatability: < 0.2 rpm
- Spin speed resolution: < 0.2 rpm
- Substrate sizes: < 1 cm to 200 mm round; 7" x 7" square

RELIABILITY

- Indirect drive system protects the spin motor from contact with process chemicals and solvents
- Vacuum and lid interlock
- Industry-leading reliability and uptime
- 1-year full warranty on parts and labor
- Free remote technical support (phone, email, fax) for the life of the product
- Application process assistance for life of the product

UTILITIES

- Voltage ranges: 100–125, 208–240 VAC, 50/60 Hz
- Power requirements: 655 watts
- Drain port: ¾" OD
- Exhaust port: 1" OD
- Vacuum: 20" Hg
- Exhaust: 20 to 50 cfm at 0.2" water
- Nitrogen or CDA (for automated dispense): 70 psi

DIMENSIONS

- 13.25" (33.65cm) W × 21" (48.26cm) D × 13.25" (30.48cm) H
- Machine weight: 40 lb (18.14 kg)
- Shipping weight: 120 lb (45.36 kg)

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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