

Apogee® Spin Coater

With DataStream™ Technology

Eliminate process variability from your critical experiments with the Cee® Apogee® Spin Coater. This compact system delivers track-quality performance with its durable, chemically compatible design and fully programmable, user-friendly operation. Guaranteed for years of high performance, the Cee® Apogee® Spin Coater brings unparalleled consistency to your lab or fab.

Serving the Semiconductor Industry Since 1987



BENEFITS

- ETL Listed via Intertek's Nationally Recognized Testing Laboratory
- Compact design for minimized footprint
- Enhanced logging
- Vacuum and lid interlock
- 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.

BOWL DESIGN

- High-density polyethylene (HDPE) spin bowl for material compatibility
- 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

- Full-color touchscreen graphical user interface (GUI)
- Supports unlimited user-defined program steps for each recipe
- 0.1 second step time resolution (9,999.9 seconds maximum step time)
- Spin speeds up to 12,000rpm
- Spin speed acceleration up to 30,000rpm/s unloaded
- Up/download DataStream™ process parameters via native USB and Ethernet ports
- Multiple simultaneous automated dispense capability
- In-process dynamic speed & acceleration control



PRECISION

- Substrate sizes: 200mm round; 7" x 7" square (*max*)
- Spin speed repeatability: 0.2rpm (per standard spin module)
- Spin speed resolution: 0.2rpm (per standard spin module)
- Acceleration resolution <0.2rpm/s
 - 0-30,000 rpm/s unloaded
 - 0-13,000 rpm/s with a typical 200 mm substrate
 - 0-3,000 rpm/s with a 6" x 6" x 0.025" photomask in a recessed chuck

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
- Indirect drive system protects the spin motor from contact with process chemicals and solvents

UTILITIES

- Voltage Ranges: 100-120; 208-230VAC
- Power Requirements: 6A (max)
- Drain Port: 3/4" OD
- Exhaust Port: 1" OD
- Vacuum: <33kPa abs
- Exhaust: 100Pa @ 10CMH
- N2/CDA (automated dispense): 70psi (482kPa)

DIMENSIONS

- 13.25" (337mm) W x 21" (533mm) D x 13.25" (337mm) H
- Machine Weight 40 lb (18.1 kg) *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