









Apogee[™] Spinner Accessories

Many accessories are available to enhance:

- Ease of use
- Performance and control
- Cleaning and maintenance

Most can be added later



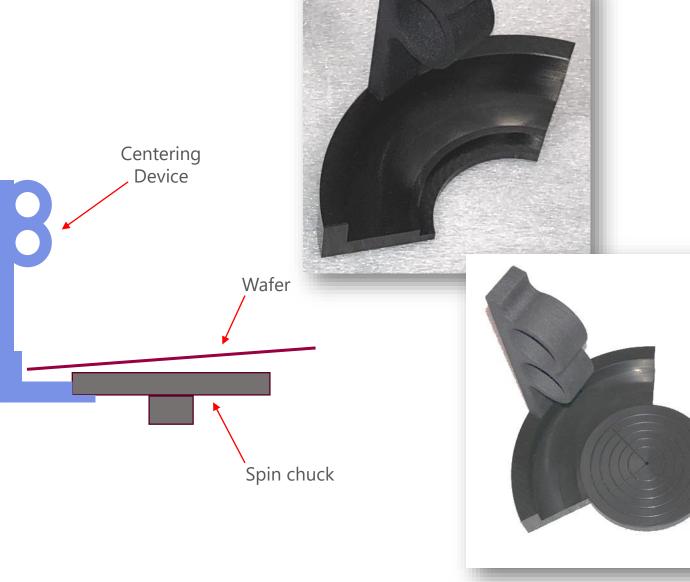


Centering Devices

Available for all popular wafer sizes

- Custom sizes on request
- Easy to use
- Repeatable

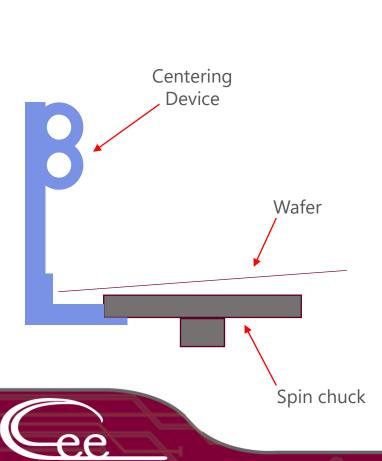






Centering Devices

 $\underline{https://www.youtube.com/watch?v=W3kV4bNnCYo}$



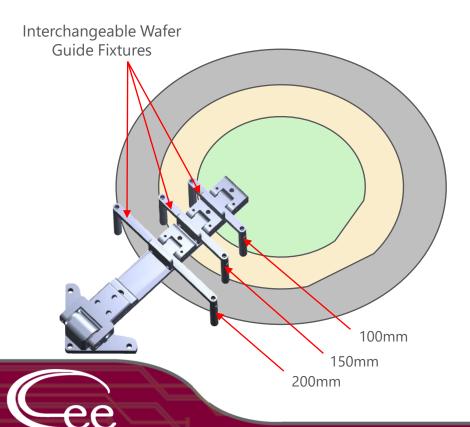
Cost Effective Equipment



Centering Arm

Cost Effective Equipment

- Quick and easy to use
- Best for 1 or 2 wafer sizes
- Great for production use



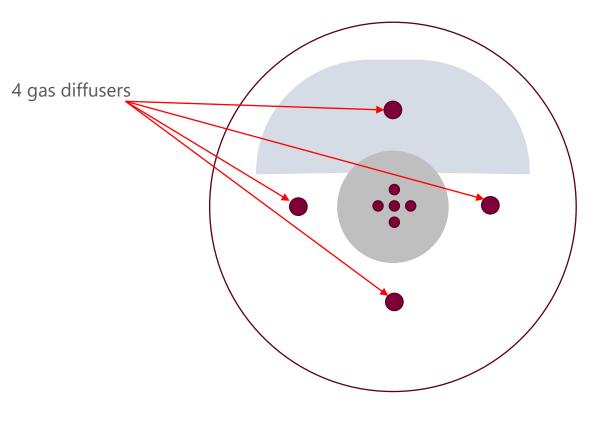


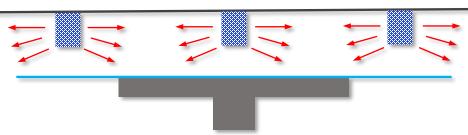
Spin Bowl Purge

Cost Effective Equipment

Used to reduce humidity or oxygen
Sintered metal diffusers
Manual or recipe controlled







Bowl Liners

Custom made for the Apogee™ spin bowl

Thermoformed polypropylene

Disposable

Cleanable

Affordable (10-pack pricing)





Bowl Liners

https://www.youtube.com/watch?v=hHWr2EZWJj

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Programmable Exhaust

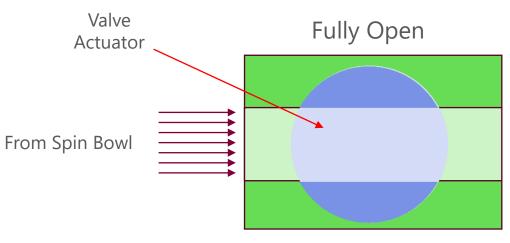
Provides recipe control of spin bowl exhaust

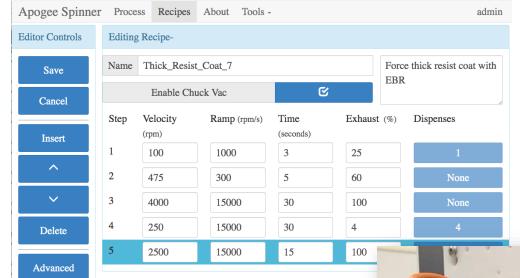
Control drying rate

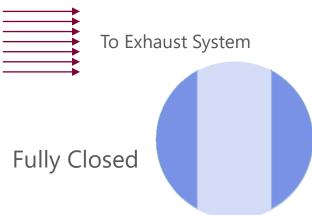
Good for very thick films

Recipe line control

https://www.costeffectiveequipment.com/servicesupport/technical-resources/solvent-vapor-control/







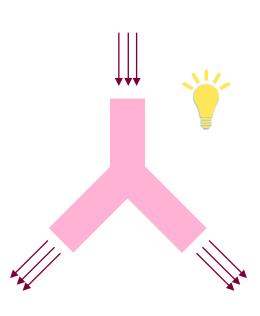


Drain Divertor Valve

Use to direct waste liquid flow between two paths

Mostly used on spin developer tools

Recipe control allows switch during process









Liquid Sensors

Waste Carboy Full Sensor

- Capacitive proximity sensor outside of container
- Prevents starting a recipe when full
- Eliminates messy overflows

Pressure Can Empty Sensor

- All Teflon wetted parts
- Adjustable
- Prevents starting a recipe when fluid level is low

