

**MAIN FEATURES**

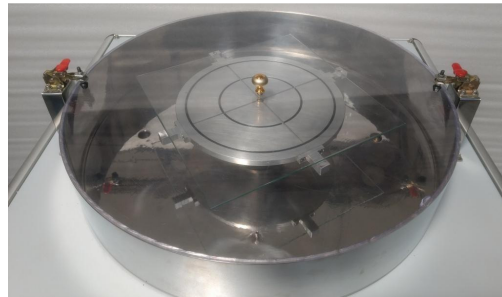
- Unique MILMAN design integrated drive mechanism with dynamically balanced motor and chuck assembly to give wobble free spin rotation
- Vacuum seal shaft with spill baffle
- All SS304 Teflon® coated bowl with nitrogen purge and drain facility
- High performance brushless PMDC servomotor with continuous solid state digital speed controller
- User friendly HMI based software for process recipe programming with acceleration and deceleration control
- Real time display of speed vs time
- A wide range of interlocks and accessories like vacuum interlock, zero speed switch, foot switch operation etc.

The Series 5000 Spin Coater is specially designed to handle Large Area Substrates > 200 mm X 200mm. The Spin Coater incorporates a high performance specially designed Brushless DC Motor with an advanced Digital Drive and Optical Encoder for Closed Loop Spin Speed Control. The Speed Controller provides advance features like acceleration deceleration control.

The Spin Coater is completely automated using a 7" Touch Screen Colour LCD based HMI coupled to a Programmable Logic Controller [PLC] for User Friendly Programming of Spin Cycles as well as Interlocks for Operator safety.

### VACUUM CHUCK ASSEMBLY

- Vacuum Chuck for 300 mm x 300 mm Substrates Adjustable Vacuum Chuck for Square Substrates upto 12" x 12" with user friendly Clamping Facility (soft material to avoid scratching on sample)
- Dynamically Balanced Vacuum Chuck with Flexible Clamps for Placement of Substrates



### AUTOMATION

- System Mimic with Operation in Manual and Auto Mode
- Recipe programming for Spin Speed versus Time control in 20 steps
- Independent Acceleration and Deceleration programming facility
- Recipe, storage and recall for 20 programs
  - Spin Speed- Upto 1200 RPM
  - Maximum Acceleration: 1000 rpm achievable in 4 seconds
- Test Run Facility at Low RPM for Alignment check of Substrates
- Alarm Management



Contact:

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