

model no.:

spin~~NG~~**NG**-P1

This compact, benchtop, cost effective device is in chemical compatibilities. It can perform step by step programmability for precise deposition of metal oxide, polymer and metal organic thin film.



This portable Spin Coating Unit is widely used for coating uniform layer of thin film on silicon slides, ceramic or glass substrates. This specially designed unit is free from wobbling of rotor-head to keep the morphology of the film intact.

Application:

- Basic and applied material research
- Non-Destructive quality control of surfaces, thin films and castings
- Thin film on semiconductors, metals and glass
- Casting of organic thin films, optical coating and magnetic films
- Film at liquid/solid interface

Benefits:

- Facility of different kind of substrates and different sizes of Delrin substrate holders
- Fast and easy operation
- Minimum inertia to reach desired RPM
- Housed in adjust hood
- Dial gauge indication of vacuum chuck
- 8" Teflon coated working chamber
- Transparent photo resist lid over working chamber
- N₂ purge facility
- Compatible oil-free vacuum pump.(optional)

Technical Specification:

- Programming through micro controller
- Speed range – 100 RPM to 10000 RPM
- Speed accuracy - $<\pm 1\%$ error across the full range
- Acceleration - 2000 RPM/sec.(max)
- Two preset editable recipes
- Ten steps (max.) per recipe
- Recipe saving option in memory
- Real time display of RPM, timing & protocol status on LCD console
- User friendly firmware interface
- Keypad input and control option
- Integrated vacuum release switch on keypad with on / off indication
- Calibration option for better performance for variable substrates
- Spill drainage facility
- Teflon coated 8" dia working chamber
- Substrate holder size ½", 1", 1½", 2", 3", 4"(For silicon wafer only)
- Integrated power on / off switch with indication
- Instrument dimension - 15"(W), 10"(L) & 11"(H)
- Power - 230 / 220V AC
- Wattage -150W

For technical support and more information please contact :