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SPIN200i-PTFE

Single substrate spin processor for cleaning, drying, coating, developing and/or etching of up to Ø260mm substrates:

- Full-Plastic System: bowl and wetted surfaces are made of PTFE
- Table-Top Model for manual or automated (optional) chemical dispense
- Transparent Lid with syringe holder for central dispensing
 - Automatic safety lid lock with sensor interlock
- Detachable controller interface for easy integration
- N₂ diffuser for N₂ purge during process
- Easy, step-by-step recipe programming via large colour touchscreen
- Unlimited Program Storage for recipes with multiple steps / each for:
 - Time 0.1-99999 sec/step
 - Speed 0-12,000 rpm**
 - Rotation direction (CW, CCW, puddling)
 - Acceleration / Deceleration 1-30,000rpm/sec selectable per step
 - Vacuum On/Off
 - 3 Programmable Dry Contacts: e.g. for automated control of Dispense unit, Nitrogen diffuser, etc.
- Structured and password protected recipe storage for easy and safe management
- Digitally controlled Motor with digital incremental speed signal feed back

Standard included:

- (1) standard Vacuum Chuck A-V87-S96-PTFE-HD for up to Ø8" wafers, or alternatively: A-V36-S45-PTFE-HD, Ø45mm for up to Ø6" wafers.
- (1) D-V10-S50-PTFE, Small Fragment Adapter (for Ø ½" - Ø 2" Pieces and Fragments optional) (Alternative chucks optionally available)
- Drain connection 1" male PTFE (Exhaust Hose optionally available.)



A-V87-S96-PP-HD



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SPIN200i-PTFE Specifications

Performance:

Available number of programs:	Unlimited*
Steps per program:	Unlimited*
Spin speed:*	1 – 12,000 rpm** \pm 1rpm steps
Spin speed accuracy:	\pm 0.1 rpm **
Spin rotational direction:	Clockwise, Counter clockwise, Puddle
Max. acceleration:	30,000 rpm/sec**
Spin time	Unlimited*, \pm 0.1 seconds steps
Free programmable outputs:	3 pcs, relays, nominal switching capacity 0,5 A/125 VAC – 0.3A/60VDC

System data:

Housing material:	NPP with PTFE liner***
Process chamber material:	PTFE***
Interface:	Detachable, full-size touchscreen, glove-friendly, IP52, chemical resistant
External connection:	1 USB Port in the controller
Max. substrate diameter:	260 mm (or 6"x6" square)
Max. process chamber diameter:	302 mm
Dimension (desktop version):	380 (w) x 307 (h) x 559 (d) mm
Shipping weight:	30 kgs
Shipping dimension:	680 x 580 x 480 mm

Requirements

Voltage:	100 - 120 VAC / 200 - 240 VAC 50/60 Hz (auto select)
Power consumption:	Max. 500 W
Max. current:	5A / 2,5A
Vacuum:	-65 kPa (-19 inchHg), \geq 80 lpm tube OD \varnothing 8mm
Motor purge gas:	20 - 50 kPa, 2-5 l/min, Tube OD \varnothing 6mm
Drain connection:	1" M-PTFE

* Considering additional capability of standard unit such as USB backup, recipe cycling, PC software etc.

** Measured without substrate, limitations may apply depending on chuck used and substrate specification.

*** For our spin processors and chucks we use TFM material, superior for use with chemicals above standard PTFE, with a much higher material surface density than standard PTFE, thus none to significant lower "Memory Capability" for absorbing contamination from Chemicals.

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