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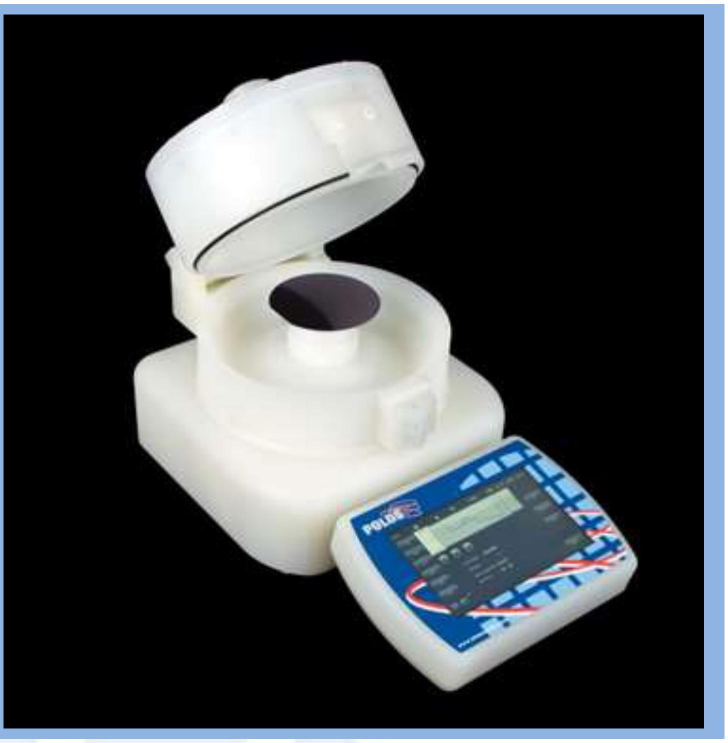
SPIN 200i Specifications



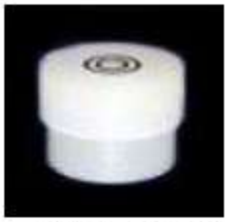
싱글프로세스용 스핀코터.
용도 :cleaning, drying, coating, developing
etching up to Ø260mmsubstrates:

* 가능사이즈: up to Ø260mm wafer,150mm x 150mm

- 재질 : Full 플래스틱 하우징(NPP) –옵션:테플론 가능

- T투명한 뚜껑및 중앙에 디스펜싱용 시린지홀더Hall 수동 디스펜싱및 오토디스펜싱 가능(옵션키트 필요)
- Automatic safety lid lock with sensor interlock
- Detachable controller interface for easy integration :spin200i-ind 형(글로브박스 설치시 유리) .
- N_2 diffuser for N_2 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
  - 회전방향 변경 가능 (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
- 고정밀 독일제 DC서보 모터 장착 최고의 Coating Thickness Uniformaty 실현 가능

A-V36-S45-PP

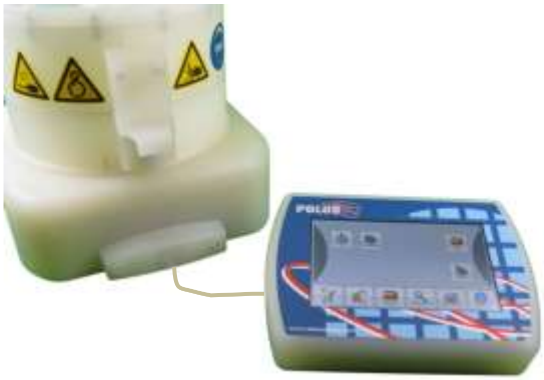


D-V10-S50-PP
on A-V36-S45-PP

Standard included:

- (1) standard Vacuum Chuck A-V87-S96-PP-HD Ø96mm for up to Ø8“ wafers.or A-V36-S45-PP-HD for 6"
- (1) D-V10-S50-PP, Small Fragment Adapter
  (for Ø ½“- Ø 2” Pieces and Fragments optional) (Alternative chucks optionally available)
- Drain connection 1” male NPT (Exhaust Hose optionally available)

Tel. 031-479-4211/2
jsi@jsits.com
sps-korea.com



SPIN150i Specifications

Performance:	
Available number of programs:	Unlimited*
Steps per program:	Unlimited*
Spin speed:*	1 – 12,000 rpm** ± 1rpm steps
Spin speed accuracy:	± 0.1 rpm **
Spin rotational direction:	Clockwise, Counter clockwise, Puddle
Max. acceleration:	30,000 rpm/sec**
Spin time	Unlimited*, ± 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:	Natural Polypropylene (NPP)***
Process chamber material:	Natural Polypropylene (NPP)***
Interface:	Detachable, full-size touchscreen, glove-friendly, IP52, chemical resistant
External connection:	1 USB Port in the controller
Max. substrate diameter:	160 mm (or 4”x4” square)
Max. process chamber diameter:	202 mm
Dimension (desktop version):	274 (w) x 250 (h) x 451 (d) mm
Shipping weight:	14 kgs
Shipping dimension:	600 x 380 x 360 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), ≥ 80 lpm tube OD Ø8mm
Motor purge gas:	20 - 50 kPa, 2-5 l/min, Tube OD Ø 6mm
Drain connection:	1" M-NPT

* 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 **NPP**-H with α-crystalline properties.

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