



www.sps-korea.com

## SPIN 200i Specifications

싱글프로세스용 스피너.

용도 :cleaning, drying, coating, developing  
etching up to Ø260mm substrates:

- \* 가능사이즈: up to Ø260mm wafer, 150mm x 150mm
- 재질 : Full 플라스틱 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(글로벌박스 설치시 유리)
- N<sub>2</sub> diffuser for N<sub>2</sub> 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 (Optional)  
(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



## SPIN200i Specifications

### Performance:

|                               |  |
|-------------------------------|--|
| Available number of programs: | Unlimited*   |
| Steps per program:            | Unlimited*   |
| Spin speed:                   | 1 – 12,000 rpm** ± 1 rpm 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:       | 260 mm   |
| Max. process chamber diameter: | 302 mm   |
| Dimension (desktop version):   | 380 (w) x 307 (h) x 559 (d) mm   |
| Shipping weight:               | 35 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), ≥ 80 lpm. Tube OD Ø 8mm        |
| Motor purge gas:   | -65 kPa (-19 inchHg), ≥ 80 lpm. Tube OD Ø 8mm        |
| Drain connection:  | -65 kPa (-19 inchHg), ≥ 80 lpm. Tube OD Ø 8mm        |

\* 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  $\alpha$ -crystalline properties.