



SPIN150i and SPIN200i spin processor



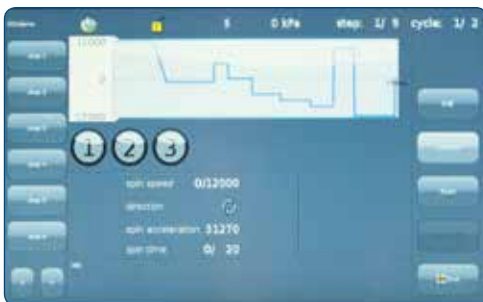
Infinite possibilities...

SPIN150[™]

POLOS

www.Spincoating.com

■ Clear view of your process



Tempered Glass lid does not haze or scratch, remaining Clear and easy to see your process.

System Benefits:

- High speed acceleration up to 0 - 12,000rpm in 0.3 sec.*
 - A detachable touch screen control panel for use outside a glove box.
 - Programmable CW & CCW rotation enables specialist processes such as “puddle” develop and/or etch.
 - Full-Engineering Plastics only, high quality seamless fabrication.
 - Lid and Bowl Liner Sets in anti-static PET.
- * depending on substrate size and chuck type

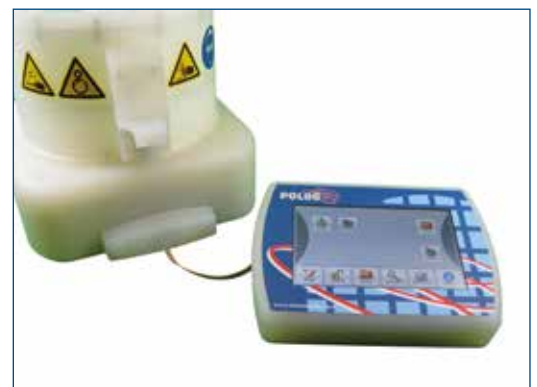
Rugged, lid hinge holds at **Optimum** angle for **Easy Access**, and for your safety locks electro-magnetically in case of power failure.



■ Specifications

- Spin processor for cleaning, drying, coating, developing and/or etching of up to Ø 160 mm substrates
- Full-Plastic System in Natural Polypropylene (NPP)
- Table-Top Model for manual or automated (optional) chemical dispense
- Transparent Lid with syringe holder for central dispensing
- Electro-magnetic safety lid lock
- 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 1-30,000 rpm/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
- Includes: (1) standard Vacuum Chuck A-V36-S45-PP, Ø45 mm for up to Ø 6" wafers
 - (1) D-V10-S50-PP, Small Fragment Adapter for Ø ½" - Ø 2" Pieces and Fragments (Alternative Chucks optionally available)
- Drain connection 1" male NPT (Exhaust Hose optional)

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



■ Features

Available number of programs:
 Steps per program:
 Spin speed: *
 Spin speed accuracy:
 Spin rotational direction:
 Max. acceleration:
 Spin time
 Free programmable outputs:

System data:

Housing material:
 Process chamber material:
 Interface:

External connection:
 Max. substrate diameter:
 Max. process chamber diameter:
 Dimension (desktop version):
 Shipping weight:
 Shipping dimension:

Requirements

Voltage:
 Power consumption:
 Max. current:
 Vacuum:
 Motor purge gas:
 Drain connection:

SPIN150i-NPP

Unlimited*
 Unlimited*
 1 - 12,000 rpm** ± 1rpm steps
 ± 0.1 rpm **
 Clockwise, Counter clockwise,
 30,000 rpm/sec**
 Unlimited*, ± 0.1 seconds steps
 3 pcs, relays, nominal switching
 capacity 0.5A/125 VAC-0.3A/60VDC

Natural Polypropylene (NPP)***
 Natural Polypropylene (NPP)***
 Detachable, full-size touchscreen,
 glove-friendly, IP52, chemical
 resistant

1 USB Port in the controller
 160mm round or 4" x 4" square
 202 mm
 274 (w) x 250 (h) x 451 (d) mm
 14 kgs
 600 x 380 x 360 mm

100 - 120 VAC / 200 - 240 VAC 50/60 Hz
 (auto select)
 Max. 500 W
 5A / 2,5A
 -65 kPa (-19 inchHg), ≥ 80 lpm
 Tube OD Ø8mm
 20 - 50 kPa, 2-5 l/min, Tube OD Ø 6mm
 1" M-NPT

SPIN200i-NPP

Unlimited*
 Unlimited*
 1 - 12,000 rpm** ± 1rpm steps
 ± 0.1 rpm **
 Clockwise, Counter clockwise,
 Puddle 30,000 rpm/sec**
 Unlimited*, ± 0.1 seconds steps
 3 pcs, relays, nominal switching
 capacity 0,5 A/125 VAC-0.3A/60VDC

Natural Polypropylene (NPP)***
 Natural Polypropylene (NPP)***
 Detachable, full-size touchscreen,
 glove-friendly, IP52, chemical
 resistant

1 USB Port in the controller
 260 mm round or 6" x 6" square
 302 mm
 380 (w) x 307 (h) x 559 (d) mm
 20 kgs
 680 x 580 x 480 mm

100 - 120 VAC / 200 - 240 VAC 50/60 Hz
 (auto select)
 Max. 500 W
 5A / 2,5A
 -65 kPa (-19 inchHg), ≥ 80 lpm
 Tube OD Ø8mm
 20 - 50 kPa, 2-5 l/min, Tube OD Ø 6mm
 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.

