

Specifications for the required spin processor

Substrate Size(s): from 5 mm to 150 mm (in diameter), or ~125 mm square substrate capability

Thickness: 0.1 — 4.0 mm

Tolerances: ± 0.0125 mm

Chemical resistance: Acetone, Amyl Acetate, Benzene, Chloroform, Cyclohexanone, Deionized water, Ethanol, Isopropyl Alcohol, Methyl Ethyl Ketone, N-Methyl-2-Pyrrolidone, Dimethylformamide

Corrosion-proof configuration is necessary (no exposed metal — therefore, no degradation using strong acids or bases)

Material: Solid Natural Polypropylene housing with interlocking clamshell plenum, clear ECTFE lid with $\text{Ø}3/4$ " ($\text{Ø}19$ mm) center opening, 241 mm I.D. bowl-shaped process chamber 650 Digital Process Controller — easy to program without a manual with many advanced capabilities

Speed: to 12K RPM, acceleration: up to 13K RPM/sec (in 1 RPM increments) NIST-traceable — no calibration required

Program Time: 1 second to 99 minutes 59.9 seconds in 0.1 second increments

Programs: twenty 51-step programs or manual mode can be factory reconfigured

An advanced PC interface software should be included, not required to program system

Further requirements:

Class 1 Bluetooth® (100 meter) — offered as standard (no cable or converter)

Safety door interlock (disallows rotation when door is open)

Safety door lock (prevents chamber opening while program is running, or during chuck rotation after program ends)

To be possible to add automatization sampling options

Glovebox-ready configuration (continuous inert gas purge is required)

Lifetime Process Support