

POLOS® 450 ADVANCED

The POLOS® Advanced series spin processors are advanced systems, offering precise and repeatable process control. An aerodynamically efficient chamber enhances uniformity, while natural polypropylene process chamber guarantees a contamination-free, easy to clean process area. All units feature programmable CW & CCW Rotation and puddle function.



The POLOS® 450 Advanced is a table-top Single Substrate Spinner with NPP housing, spincup and manual chemical dispense. The inside diameter measures 500 mm for substrates up to max. Ø 500 mm round and 350 x 350 mm square substrates.

FEATURES

- Automatic Sequential or Parallel Chemical Dispenses
- Up to 6 spray nozzles, each programmable independently

CONFIGURATION	
Housing material	Natural polypropylene (NPP)
Process chamber material	Natural polypropylene (NPP) or high chemical resistant PTFE (TFM™)
Spin speed RPM	0 - 1500 rpm** ± 1 rpm steps
Spin speed accuracy	± 0.1 rpm**
Spin rotational direction	Clockwise, Counter clockwise and Puddle
Max. acceleration	≤1500 rpm/s depends on the load**
Free programmable outputs	3 dry relays, nominal switching capacity 0.5A / 125 VAC - 0.3A / 60DC
Max. substrate diameter	460 mm round and 350 x 350 mm square substrates
Max. process chamber diameter	502 mm
Dimension (desktop version)	795 (w) x 638 (h) x 922 (d) mm
Motor purge gas	20 - 50 kPa. Tube OD Ø 6mm 500 L/hr
Drain connection	1.5" M-NPT

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