

## SPIN PROCESS STATION

*From Basic Setup  
to Advanced Processing!*

- MODULAR
- VERSATILE
- REPEATABLE
- COST EFFECTIVE



### General Processes:

- Cleaning
- Etching
- Stripping
- Thinning
- Rinse, Spin Dry
- High Pressure Scrubbing
- Coating
- Developing

**POLOS**

# ● Modular Design ● Multi-Processes

## ● Compact Wet Station

Based on the proven high quality all plastic POLOS Single Substrate Spin Processor, the modular design Spin Process Station provides excellent value for money: full plastic construction with high-end components, an extremely versatile platform for a wide range of processes is being offered. The easy configurable POLOS controller, highly accurate, servo-controlled spin speed and acceleration, supported by an integrated chemical supply system, ensure highly accurate automatic dispense and repeatable process parameters.

One system is suitable for wide range of substrates, of various dimensions and material, ranging from small fragments to wafers, glass substrates, laboratory glass or solar cells. Custom chucks are available for almost any application.

Static, dynamic or oscillating chemical dispense and high pressure and/or megasonic cleaning through a moving linear dispense arm directly to any point on the substrate. Additional static chemical dispense through a range of adjustable nozzles in the domed lid or through an adjustable back-side spray arm: the unit has the possibility for multiple dispense lines, sufficient for any application. The closed process chamber, purged labyrinth seals, programmable spin controller, monitored safety interlocks and alarm sensors, vacuum monitoring, spin motor overload protection, and emergency switch makes this unit suitable for safe processing of your required application.



### General Features:

- **Single Substrate Spin Processor**
- **Wide Process Window**
- **Manual Loading**
- **Repeatable Automatic Processing**
- **Compact Footprint**

[www.SpinProcessStation.com](http://www.SpinProcessStation.com)

# Suitable for a wide range of Substrates and Applications:

- **Laboratory Glass**, e.g. 76x26mm

- **Pieces**

- **Wafers:** from 1" up to 12"

*Application Examples:*

- SC1-SC2-DHF Clean-Rinse
- HF/HNO<sub>3</sub> etch ( H<sub>2</sub>O<sub>2</sub> Spike)
- Photo Resist Coat
- Edge Bead Removal (EBR)
- Puddle and / or Spray Developing
- Post CMP High Pressure and / or Megasonic Cleaning
- 70°C KOH Etch with recirculation
- Diced Wafer Clean (on Film Frame)

- **Mask / OLED / FPD Glass Substrates:**

*Application Examples:*

- Coat-Develop, up to 20"
- Piranha(Etch)-Clean, up to 16"

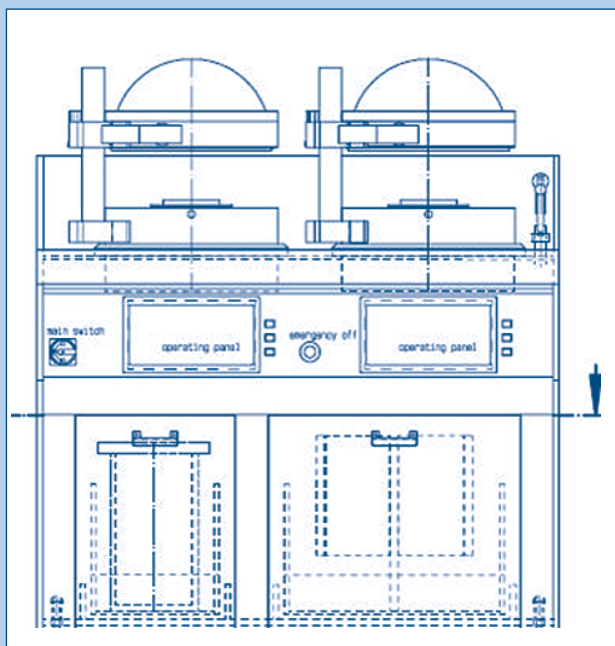
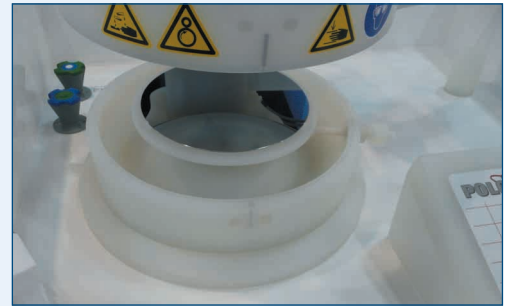
- **Solar Cells:** 103, 125, 156 and 210mm square

*Application Examples:*

- Texturing: Alkaline or Acidic
- Porous Si Etch
- Oxide Etch (PSG Removal)
- Cleaning
- Protective Layer Coating

- **Film Frames:** 4" up to 12"

- **Blu-Ray / DVD / CD Master**



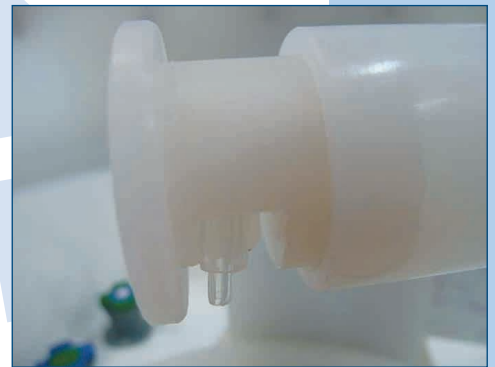
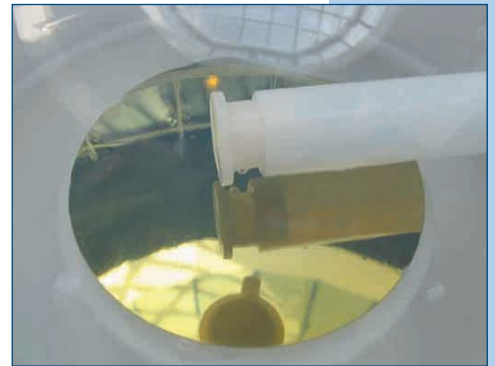
Spin Process Stations are available in 50cm, 85cm, 1m40 or 1m70 (US: 21", 42" and 50") widths in Polypropylene. All wetted surfaces in PP or PFA/PTFE. Chemical tanks, heaters/chillers, etc. are safely stored in a slide-out drawer.

At the heart of each Spin Process Station is the POLOS ACD Spin Processor-proven technology. These rugged, reliable units deliver repeatable performance.

***Spin Process Stations save time, trouble, clean room floor space and are surprisingly affordable.***

## Main Options:

- In-Situ Z-Axis Chuck Movement
- Linear Dispense Arm, Servo-Controlled
- Multiple Dispense Lines & Nozzles
- Single Pass Dispense
- Multi Pass Dispense:  
re-usage of chemicals by filtered recirculation
- Megasonic Cleaning
- High Pressure Jet
- Backside Edge Bead Removal
- In-Situ Chemical Mixing
- Heated Chemical Supply
- Selectable Drain Valve
- Available in Fire-Retardant CP7-D  
(FM 4910 Approved) Polypropylene
- CE Safety Interlocks



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