

# FOTOFAB™

Manually Loaded System  
with Automated Processing

COAT ■ DEVELOP ■ BAKE ■ WEE



## The FotoFab is a manually loaded system with automated process steps allowing for production worthy repeatability in a manually loaded system.

A system for both scholastic and light industrial users, where a full scale industrial process needs to be emulated or developed. The system comes complete with fully automated, programmable and integrated dispensers, programmable oscillating dispense arms, spin bowl exhaust level, hot plate and cold plate; even the vacuum pump for the chuck is included. The user simply plugs the system in and provides facility exhaust. In this low-cost system the capability of multi million dollar systems comes included. "Just what you need", nothing more but nothing less either.

A Complete Photolithographic Process Capability in a Simple, Easily Maintained, Cost Effective Package

The FotoFab process system is a full solution to the problem of precision spin coating in both Research and Development applications and Production Applications. The system is available as a manual load system (shown), or a mechanized system in which the operator loads a holder which then carries the wafer through the process steps, or alternatively, a fully automated cassette-to-cassette system in which a robot loads the wafer holder.

The system couples high reliability with low cost by employing an integrated system concept at the most fundamental level. A single mounting plate is the base for the spinner module and thermal modules. Reliable and rugged pneumatic actuators are used to move the dispense arms, centering device and process chamber cover.

The cost of ownership is further reduced by the use of a disposable spin cup, eliminating the need for costly cleanups of the spin cup while providing both production and R&D applications with a clean process ambient at very low cost. Cross contamination and the need for costly disposal of cleaning fluids is also eliminated by this feature.

## All S-Cubed Systems

- Small footprint
- Color LCD touchscreen
- One or two spin modules
- Unlimited process storage capabilities
- Remote data collection and control
- Stacked thermal modules
- Multiple size substrates without change
- Servo motion control
- Process substrates to 200 mm
- Proven modular design
- Ultra high reliability

For more information on all products including the new Flexi™ system, the TruClean™ double sided scrubbing systems, and Cyclone™ spin processors, please visit our website: [www.s-cubed.com](http://www.s-cubed.com).

**S-CUBED**

Solid • Smart • Stable

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## Manually Loaded System with Automated Processing

- Spin, Hot Plate and Cold Plate all included
- PC Programmability and Recipe Storage
- Gigabytes of Memory for Recipe Storage
- Up to 999 Steps per Recipe
- Integrated Wafer Centering Device
- Deployable Process Chamber Cover
- Two Programmable Movable Dispenses
- Coater: Photoresist and EBR
- Developer: Develop and Rinse
- Side Dispense available
- Built in Bubble-free Dispense, up to Three Fluids available
- 35 CC to 950 CC Dispense Reservoirs
- Adjustable Dispense Height
- Brushless DC Drive Spin Motor
- Spin Speed Programmable to 6000 RPM +/- 2 RPM
- Acceleration Programmable to 6000 RPM per second
- Disposable Spin Cup with built-in Exhaust Separator
- Built-in Vacuum Source
- Built-in Programmable Exhaust Boost
- Programmable Hot and Cold Plate Temperatures
- Programmable Bake time

