

FLEXI BASIC™

Photoresist Spin Processing Systems

COAT ■ DEVELOP ■ BAKE ■ WEE



S-Cubed offers long proven process capability in combination with the most up to date control and software capabilities.

New control technology has enabled a substantial reduction in cost, permitting S-Cubed to offer new equipment at costs that often are lower than used or rebuilt equipment, while offering superior process capability, reliability and new equipment warranty. **The Flexi Basic™ provides the highest in performance, not in spite of its low cost, but because of it...** intelligent application of technology while at the same time lowering cost. Further, by substituting adjustable for programmable process activations, the tool cost is much reduced.

Excellent Process Control

Spin axis is always within one revolution in absolute terms of programmed velocity and trajectory

± 1% temperature uniformity for thermal modules

High Reliability

Demonstrated greater than 1000 hrs MTBF

Small Size

Typical system with two spins, two thermals and two cassettes 1 Meter²

Granular Modularity

Get what you need when and as you need it

Low Cost of Ownership

Fewer parts for lower cost and improved reliability occupying less space

- 2 thermal modules
- 1 dispense per dispense arm, two dispense arms
- Adjustable dispense height

All Process actuations are pneumatic and adjustable (not programmable)

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.

S CUBED

Solid • Smart • Stable

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FLEXI BASIC™

Photoresist Spin Processing Systems

Flexi Basic™ Spin Module

Digitally Controlled Amplifier

Small, Cool and Efficient

Two Programmable Dispense Arms

- Adjustable dispense height
- Top-side-edge-bead removal
- Solvent ambient dispense cups
- Programmable bowl and backside rinses
- Pump, cartridge and syringe dispenses
- Fan spray, aspirated, stream and low impact develop dispense options

Other benefits include:

- Flat and notch azimuthal alignment for better information and control
- Minimal spare parts requirements as the same motors and amplifiers are used throughout. Part count is minimized for cost and performance reasons

Flexi Basic™ Thermal Module

- Two zone heating for excellent uniformity
- Enclosure configuration eliminates the need for cleaning the hot plate chamber
- Fixed proximity configuration available as required.
- Up to two thermal modules in the “Stack”

More Features:

- Robotic Wafer Handling with Z-Axis
- Dual Cassette Load Module

Other Available Options:

- Brush Scrub
- Temperature and Humidity Control
- High Pressure Spray

Applications

- **Patterned Sapphire Substrates (PSS)**
- **BEOL**
- **MEMS**
- **LED/OLED**
- **III - V Telecom Materials**
- **PV Photo Voltaics**



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