

SVG8X TRACK SYSTEM

Cost Effective Coating and Developing

Benefits

- Optional C&D Recipe Master enables PC control of SVG88
- Upgraded ATS arms for improved repeatability
- C&D low turbulence catch cup reduces exhaust flow requirement by up to 60%
- Can run square substrates on 86x systems

Features

- Process 50 mm – 200 mm substrates
- Card cage control
- Configurable system modules
- CE Mark

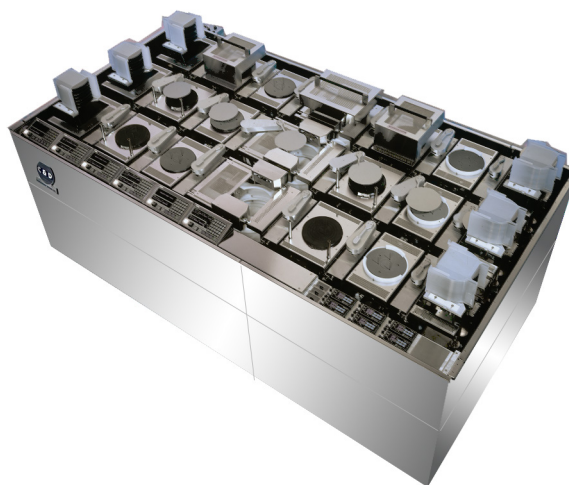
Options

- Barcode and recipe download capability (Recipe Master)
- Dispense arm vapor atmosphere to prevent drying
- Custom chemical cabinets
- Top full enclosure
- Dual-size bridging without hardware changeover
- Sub-micron capability
- High performance motors with digital controller for improved uniformity and reliability
- Flood expose
- SECS/GEM compliance

Description

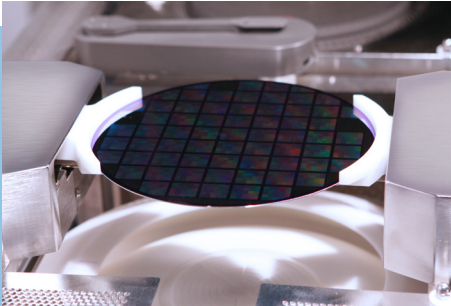
The SVG 8X systems have been used in production since the early 1980s. They have been proven to be true “work horses”. The process modules are easily removed for troubleshooting or preventive maintenance. System cabinets can be built large enough to make room for future modules.

C&D remanufactures, refurbishes, and rebuilds all 8X SVG linear track systems. C&D can refurbish or rebuild track systems to SVG original specifications or reconfigure existing tracks with C&D’s custom upgrades.



Model SVG88





Recipe Master (RM)

C&D's powerful Recipe Master software provides capabilities never before seen on the SVG track systems. The Recipe Master logs errors as well as process parameters to assist in troubleshooting process and equipment issues. With Recipe Master, you can manually exercise various modules for troubleshooting and performing preventive maintenance. Recipe Master has the capability of password protection to prevent unauthorized access to programs.

The Recipe Master software has proven to substantially reduce programming errors. The Recipe Master has, as an option, the capability of communicating with pump controllers. This feature allows users to embed pump programs into the Recipe Master process recipes and thereby using only the amount of resist needed for a particular process.

SVG8X Technical Data

Available modules	Coater, developer, hot plates, chill plates, vapor prime
Wafer Size	88X 50 mm - 200 mm 86X 50 mm - 150 mm
Transfer Method	88X - Automatic transfer arm 86X - Belt transfer
User Interface	Card cage control (with optional Recipe Master for 88X)
Transfer Mode	Serial transport
Indexer	SEMI standard H configuration
Coater	Spin motor: 50 RPM – 9500 RPM in 10 RPM increments (Optional brushless motor with digital controller) # of Dispenses: Up to four Solvent nozzles: Top and bottom EBR
Developer	Spin motor: 50 RPM – 9500 RPM in 10 RPM increments (Optional brushless motor with digital controller) Stream and spray nozzles
Hot Plate	Hot plate temperature: Up to 300°C (Optional temperature to 400°C) Uniformity: ±0.5% (50°C -300°C) Bake method: Contact or fixed/programmable proximity
Chill plate	Standard house chilled water Optional high efficiency chiller at ambient ± .1°C – Option
Vapor Prime	Temperature range 25°C to 190°C Method: Programmable and/or fixed proximity bake capability

Dual size capability

Running two different wafer sizes? C&D continues to lead the pack with innovative solutions. Dual wafer size bridging allows you to run two different wafer sizes without changing hardware. Customers no longer lose valuable production time changing size kits and making the necessary adjustments to release the tool back into production. This dual size bridging feature reduces the cost of ownership while increasing the overall equipment efficiency.

Unique and innovative upgrades

Our 8X track systems are designed and built with innovative and useful upgrades to improve overall performance while at the same time maintaining them as a low-cost alternative. Our engineering team will work closely with you to determine which system configuration best suits your needs.

- The C&D Low Turbulence catch cup is designed to greatly reduce the exhaust flow requirement by up to 60% thereby delaying resist drying and virtually eliminating the chance of particulate generation in the Cup. The upper section of the Cup is specific to each wafer size which assures the exhaust flow will be optimized for a given wafer size.
- C&D has increased the repeatability of the 8800 transfer arms by installing an electronic clutch/brake to consistently stop the arm at the same location. Users no longer have to re-adjust the arms on a regular basis and there is no longer a need for particulate generating centering devices on the hot and chill plates.

System depicts a two-track SVG88 Track System. System dimensions vary depending upon configuration.

