

# Substrate Cleaning System

## MODEL SCSx133

### DESCRIPTION:

The *highly efficient* Model SCSx133 is the ideal solution for submicron cleaning of Flat Panels, Photo Masks & Large Substrates or Multiple smaller substrates. The *very reliable & cost effective* system utilizes proven assortment of cleaning technologies. The SCSx133 can be configured with several different cleaning options form High Pressure DI, Atomizing Mist Nozzle, Brushes, Megasonic Pies & Nozzles, & much more. The Rapid & Effective Drying technique combines Variable Spin Speeds optional Heated DI, or Nitrogen Assist.

### FEATURES:

- System Designed for Significant Control & Safety
- Compatible with Substrates of up to twenty (20) Inches on the Diagonal/Diameter or Multiple Smaller sizes
- Main Spindle Assembly having Servo Motor with Push Button Indexing
- Adjustable Process Arm Speed & Travel Positions
- Efficient Radial/Laminar Chamber Exhaust through Combined Exhaust/Drain
- D.I. Water Line Purge for a Bacteria Free System
- Stand-alone Polypropylene Cabinet
- Microprocessor Control Capable of Retaining Thirty (30) Programs each with up to 30 steps in Memory. Expandable to Ninety (90) programs or with up to thirty (30) steps.
- Touch Screen Graphic User Interface (GUI) with Ease of Programming & Security Lockouts and On-Screen Error Reporting having Data Logging & Reporting to per Substrate
- Maximum capability of up to Four (4) Process Arms
- Designed to SEMI S2/S8 Guidelines



Process chamber example



SCSx133 System

### OPTIONS:

- Various sizes of vacuum and edge-grip chucks for Wafers, Photomasks, and other Substrates
- Height Adjustable Self Cleaning Brush Assembly
- N2 Drying Assist with 0.02  $\mu\text{m}$  Filtration
- Fixed or Oscillating Low Pressure, Megasonic, & Nozzle Dispenses
- Surfactant Dispense Canister
- Auto Chamber Rinse
- Controllable & Adjustable Chamber Exhaust Assembly
- Stand-alone Mixing System for Surfactant
- 0.2  $\mu\text{m}$  Filtration for Low Pressure Dispenses
- D.I. H2O Heater & Dispenses
- Secondary Containment with Leak Detection
- CE Certification

### SYSTEM DIMENSIONS:

SCSx133: 43" wide x 37" deep x 44" tall  
Heater option adds additional 7.5" to depth



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