

# Submersible Megasonic Array

## Go Megasonic in Minutes • Quickly Transform Any Wafer Bath into a Megasonic System

PCT's performance proven Submersible Megasonic Array offers you the advantages of ultraclean wafers with the advanced features of any megasonic unit available today. The Submersible Megasonic Array turns your wafer bath into a megasonic unit simply by placing the unit into the bath. You get state-of-the-art power and control with PCT's computer controlled solid-state amplifier for the megasonic energy source. You can set up the array for remote operation with an audible or visual alarm up to twelve feet from the bath. You can go megasonic quickly.



Model 9400 Generator

### KEY FEATURES

- Transferable Energy Window (Completely Mobile)
- Frequency Range 600 - 980 KHz at Resonant Levels
- Standard Window Materials of Teflon Coated Aluminum and SS, or 316SS Electropolished
- Optional PVDF Base is required for Operational Ranges from Ambient to 50°C
- Horizontal or Vertical configurations
- Fast Upgradability of Existing Processes (Quick-Dump Rinsers )
- Integrated Control System
- Single & Dual Cassette Sizes Available up to 300mm

Made in USA

PCT SUB MA62320-1

PCT Systems – 2182 Paragon Drive – San Jose, CA 95131  
Tel: 510-657-4412 – [info@pctsystems.com](mailto:info@pctsystems.com) – [www.pctsystems.com](http://www.pctsystems.com)





## SYSTEM CONFIGURATION

### Power Supply / Control System

- CPU
- Dual Multiplexed Solid-State Amplifier With Megasonic Energy Source
- Interlock Inputs For Liquid Level
- RS-232 Interface, SECS-I/II
- Operation / Diagnostics Keypad and LCD Display
- Remote Panel Input

### Remote Panel

- Programming Operation Keypad
- Four-Line, Forty Characters Per Line (160 Characters Total) Double-Super-Twisted LCD
- Optional Audible or Visual Alarm
- Twelve Foot Cable for Convenient Location Away from Control System



## SPECIFICATIONS

### Megasonic Energy

Wattage	Up to 300 Watts per Multiplexed Array (600 Watts for Two Arrays)
Frequency	600 - 980 KHz. Factory Preset for Optimum Processing

### Facilities

Power	200 to 220 VAC, 50/60 Hz, Single Phase, 10 Amp Service Required for Ambient Temperature Operation
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### Materials Of Construction

Energy Window	-Teflon Coated Aluminum With PFA Base Is Standard. - Optional PVDF Base Is Required for Elevated Temperature up to 50°C Maximum -316SS Energy Window with PVDF Base
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### Warranty

Amplifier	12 Months as Detailed in the Warranty Statement
Submersible Array	6 Months as Detailed in the Warranty Statement

## WARRANTY STATEMENT

PCT Systems warrants its products to be free from manufacturing defects in materials and workmanship when used in normal operating conditions for a period of twelve months for electronics and six months for submersible arrays from the date of original shipment from the PCT Systems factory. Damage from improper operation or mishandling is specifically excluded from the warranty. Such mishandling includes, but is not limited to, impact or physically induced breakage, corrosion due to improper operation, negligent use of product, or improper installation or installation techniques.

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