



Evactron®

By XEI Scientific

Evactron® Easy Plasma SoftClean (EPSC)

Clean your SEM/TEM Samples and TEM Specimen Holders

The Evactron® Easy Plasma SoftClean (EPSC) combines the Evactron® E16 remote Plasma De-Contaminator with the Evactron® SoftClean chamber, creating an easy to use chamber and desktop plasma cleaner. It can also be used as a specimen storage system, keeping samples in a contamination-free environment.

The EPSC system is equipped with three cleaning ports for TEM specimen rods and a top-loading lid for SEM samples. The central location of the cleaning ports allows for simultaneous and uniform cleaning of all TEM rods. Optional, patented Safar TEM side loaders (Patent US 8,716,676 B2) feature a side-entry slot and locking mechanism which prevents any unwanted contact between the sample rods and the chamber stage during insertion and removal of the TEM rods.

System Features:

- Dual action cleaning using plasma and UV afterglow
- Energy efficient hollow cathode plasma radical source
- Programmable power, cleaning time, number of cycles
- Compact Power Centre desktop controller
- Touchpad display of cleaning recipes
- Fixed input air and alternate gas flow rate
- Wide range pressure operation: 100 Pa to 3 Pa or 0.75 Torr to 22 mTorr
- Fast cleaning, 60x faster than earlier generation Evactron models
- Non-damaging to sensitive components - no sputter etch
- No manual match or gas flow adjustments needed for plasma ignition
- Operation log stored in memory



Evactron® Easy Plasma SoftClean Desktop Plasma Cleaner

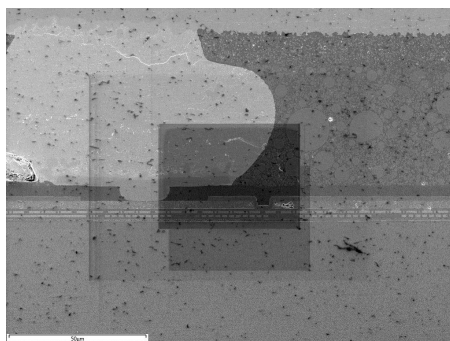
Remote Plasma Cleaner

www.evactron.com

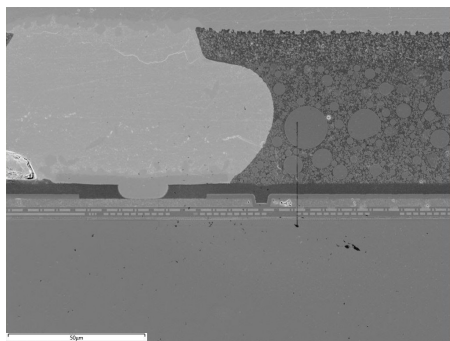
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EPSC Easy Plasma SoftClean



Before Cleaning



After Evactron Cleaning

System Specifications

- Accommodates up to three TEM stage rods
- Evactron E16 plasma cleaner with desktop controller and tethered touchpad programming
- Optional Safar side loaders for safe loading of TEM rods and samples (US Patent 8,716,676 B2)
- Uses room air or alternate gas for O₂ or H₂ radical production
- Vacuum safety interlock
- RF Power: 5-16 Watts at 13.56 MHz RFHC
- 100-240 VAC 50/60 Hz input
- SoftClean dimensions: D × H: 8.5" × 7.2" (21.6 × 18.3 cm)
- Electronic chassis: W×H×D: 12.25"×3.5"×9.34" (31×8.9×23.7cm)



Evactron® E16 Power Centre Controller and compact PRS

Global Headquarters

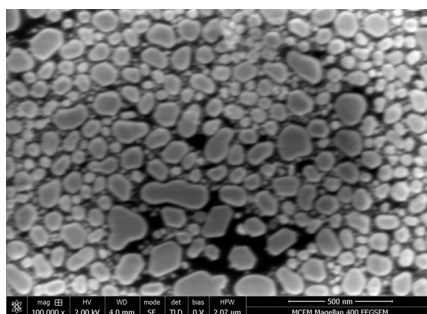
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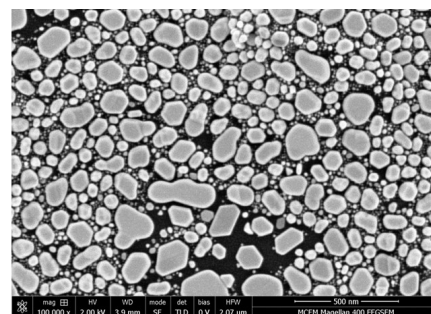
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Before Cleaning



After Evactron Cleaning

