



APPLICATION BULLETIN #13

ELECTRON MICROSCOPES

Rather than picking and scrubbing to remove paste and particles of contaminations from microscopes, you can quickly and thoroughly restore them to a "like new" condition by using ultrasonic cleaning methods from L&R.

Simply-

1. Use General Purpose Cleaner Non-Ammoniated in the main tank as a carrier bath. (Can also be used for cleaning lab glassware and instruments.)
2. Place column parts (pole pieces, brass parts, etc.) into 600 ml Beaker.
3. Cover parts with Hydro-Sonic Cleaning Solution Concentrate Non-Ammoniated or SF-50 Solvent-Free Degreaser Concentrate at the recommended dilution (see product label). Place into main tank using Positioning Cover.
4. Cavitate 5-10 minutes.
5. Rinse well under warm tap water.
6. Remove and dry in L&R Instrument Dryer.

Note: Only the removal of the paste and loose particles of contamination is expected ultrasonically. Ultrasonics will not remove carbon which is electronically hardened. In this application, demagnetizers are a natural for demagnetizing tweezers, tools, etc. subjected to the magnetic field in the pole piece.

EQUIPMENT NEEDED:

Machines, Accessories*:	Q140 Ultrasonic Cleaning System with Timer, Optional Heater**, Beaker/Top, Positioning Cover, Instrument Dryer
Solutions:	General Purpose Cleaner Non-Ammoniated (PC228) Hydro-Sonic Cleaning Solution Concentrate Non-Ammoniated (PC110) SF-50 Solvent-Free Degreaser Concentrate (PC71)

*Recommended Ultrasonic Cleaning System varies as to internal tank dimensions and volume of required cleaning. Please contact an L&R Sales Specialist to discuss the appropriate size machine for your cleaning needs.



because clean matters

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