

Launch Your Field Emission SEM Capabilities To The 4nm At 1kV Level.

The Amray Model 3600 LEAP

(Low Energy Advanced Performance) can propel your field emission SEM performance beyond current boundaries to a new standard of excellence. The Amray 3600 LEAP delivers:

- high resolution – 4nm at 1kV, 1.5nm at 15kV
- optimized geometry for a short working distance at high tilts with large samples (6mm w.d. at 45° tilt)
- high kV (25kV) for uncompromised analytical capabilities
- highly reliable patented Schottky field emission gun
- 2048 x 2048 frame buffer for advanced digital imaging
- two 17" high resolution, 1000 line viewing monitors
- 5 axes motorized eucentric stage
- motorized 8" linear load lock for rapid sample exchange
- embedded computer control for all SEM functions

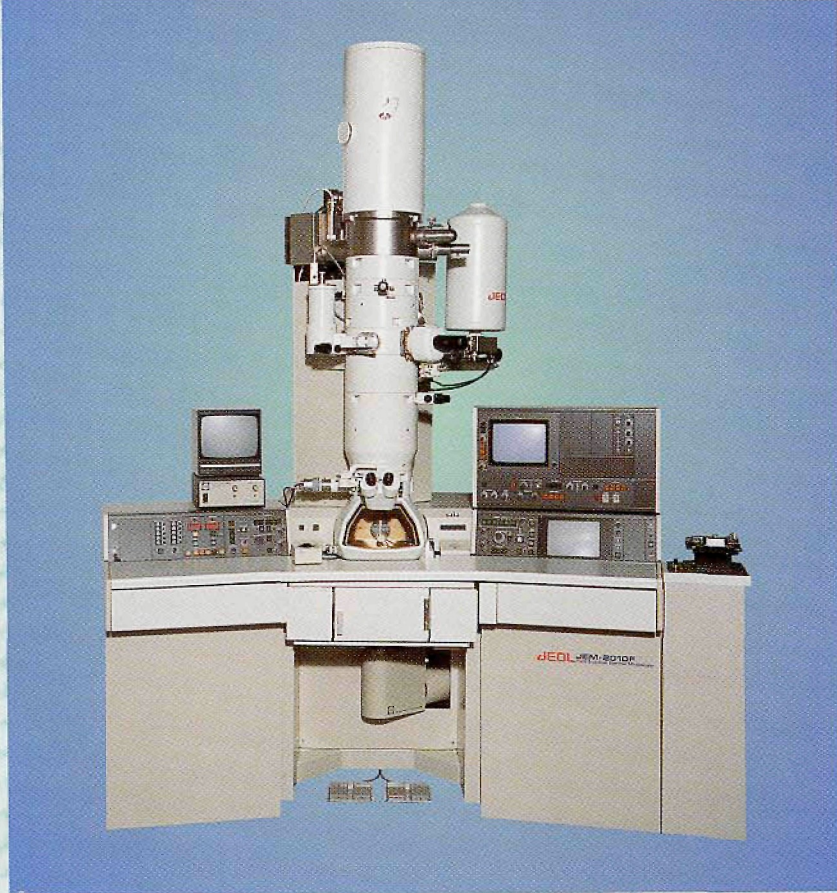
The Amray 3600 LEAP provides resolution that's out of this world – call 1-800-225-1462 for complete information on the Model 3600 LEAP and other Amray systems.



AMRAY

160 Middlesex Tpke., Bedford, MA 01730 Tel: 617-275-1400 Fax: 617-275-0740

Circle Reader Inquiry #12



Sights Unseen.

With the New JEM-2010F **Field Emission** Electron Microscope
You'll See It ... If It's There.

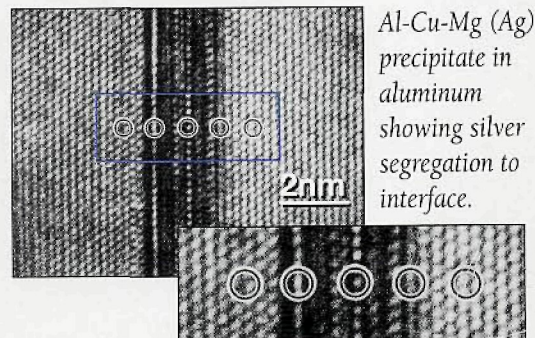
From JEOL...the newest generation of precision equipment that permits unprecedented resolution in 3-dimensional, subnanometer analysis of microstructures. Featuring user-friendly operation and long-term stability, the JEM-2010F also offers:

- Schottky Emission: High Current High Brightness
- High Probe Current: 0.5nm Probe with 100 pA Current
- High Resolution: Information Limit 1.4Å, Scherzer 1.9Å
- Holography: Option Available
- STEM Resolution: 0.2nm Magnification: 8MX

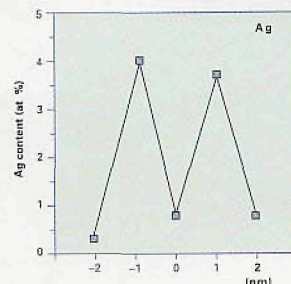
Discover the JEM-2010F and visit sights previously unseen.



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Al-Cu-Mg (Ag) precipitate in aluminum showing silver segregation to interface.



Data courtesy of Dr. James M. Howe, Department of Materials Science & Engineering, University of Virginia, U.S.A.