

AUGER ELECTRONICS UPGRADE



Extend the life of your Auger instrument while simultaneously improving its performance.

New Components

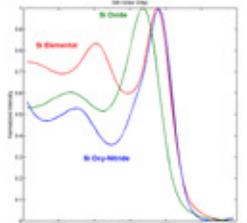
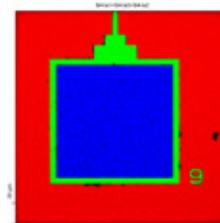
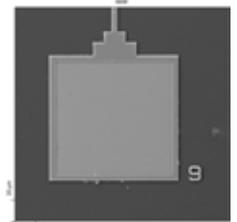
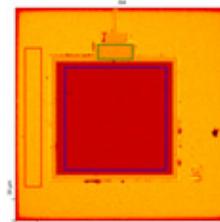
- Current production electronics for Auger acquisition, imaging, stage, and vacuum control
- Updated high voltage electron gun power supply
- New magnetically levitated turbo pump
- New 64-bit PC and latest SmartSoft Software (Windows 10)

Benefits

- New spectral mapping capabilities
- Increased pixel density up to 4096 for SED imaging
- Improved SED Imaging (scintillator)
- Extends lifetime of the instrument
- Improved diagnostic capabilities
- Enhanced capability for using ReACH
- High Energy Resolution (HERO) Mode Upgrade

Optional

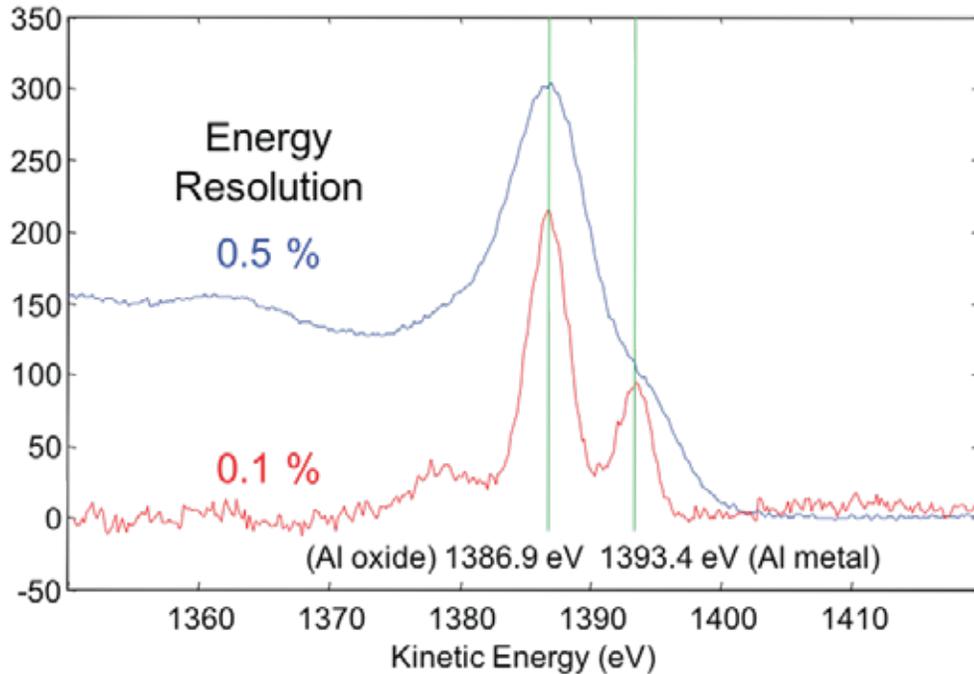
- Intro Camera Upgrade available (may require additional upgrades)



Available for 680 CE or newer systems as a field upgrade

Improved Energy Resolution with High Energy Resolution Mode (HERO)

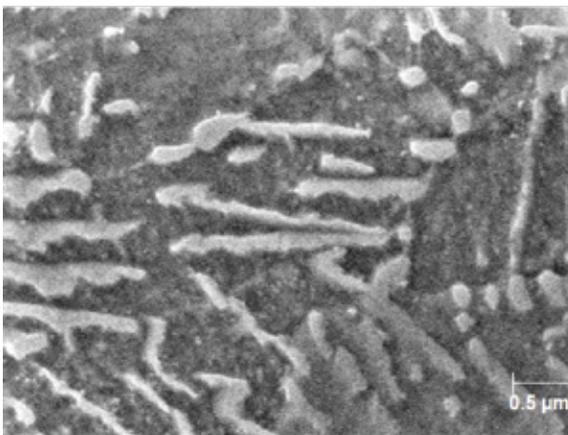
Al KLL Spectra of Native Oxide on Al Foil



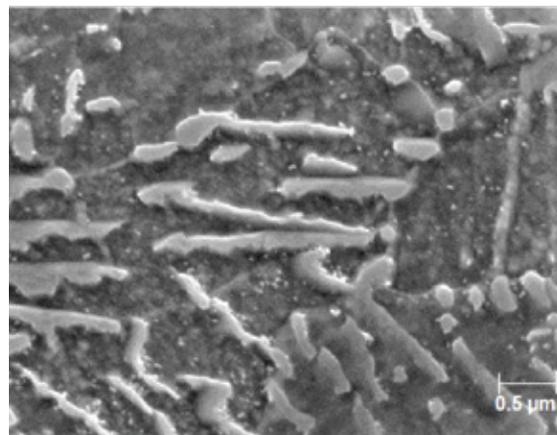
Improved Imaging with Scintillator and New Scanning Electronics

Increased S/N and Image Clarity

Etched Steel Sample



Previous Channeltron Detector SEI



New Scintillation Detector SEI

Primary Electron Beam - 10 kV