

September 2025 Analytical Lab Services News

Image of the Month: Magnetic Iron Oxide Powder

High magnification image of Magnetic Iron Oxide Powder (Fe_3O_4) taken on CIQTEK FESEM 5000. This month's featured image showcases CIQTEK's ability to image magnetic materials. Magnetic materials are difficult to image with a standard scanning electron microscope (SEM) because their magnetic fields interfere with the instrument's electron beam causing beam deflection, distortion of electron trajectories, and interference with the system's electron optics. Ask us how to minimize these effects.

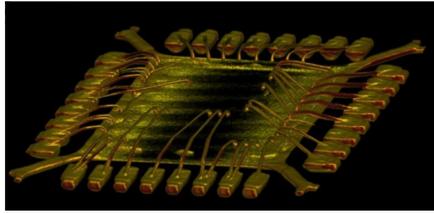
[Explore Full-Size SEM Image](#)

Didn't Catch the Buehler Webinar? You Still Can!

Buehler's Microstructure & Analysis Webinar Series continues to deliver valuable training and insights for metallography preparation and testing. If you missed last Wednesday's live session, Metallography of Light Metals, you can still watch it in their archived series.



New: X-Ray Image Gallery



We've launched an Advanced X-ray Inspection Systems Image Gallery featuring results from our Xavis X-ray systems. These systems deliver high-resolution 2D and 3D imaging for electronics, PCBs, and materials—helping detect solder voids, defects, and verify structural integrity.

[Explore the X-ray Image Gallery](#)

Investigating Automotive Paint with SEM



Our JHA team recently explored automotive paint coatings using the CIQTEK SEM, uncovering details that reveal how microstructure impacts durability, adhesion, and overall performance. High-resolution SEM imaging allows us to study surface layers and cross-sections at the nanoscale, providing valuable insights for quality control and materials research.

[Explore The Article](#)

Explore Advanced Sample Preparation Technology With Our Expert

Check out our latest video featuring the Leica TXP system, a powerful tool for precision sample preparation. This all-in-one solution performs trimming, cross-sectioning, and polishing without the need for sample transfers, making it highly efficient for semiconductors, medical devices, and IC analysis.



[Watch the Video on YouTube](#)

Our Promise

We provide high-quality sample preparation and analysis services with faster turnaround times and competitive pricing—delivering unmatched value in the marketplace. Our commitment to precision, speed, and affordability ensures you get the results you need, when you need them, without compromising on quality

Upcoming Events



Catch up with us at these upcoming events:

- **SEPT 3** - [Buehler Webinar](#)
- **SEPT 24-25** - [AEMS 2025](#)
- **OCT 7-9** - [SEMICON West 2025](#)

[See Full Calendar](#)

Contact Us

Have an application you are trying to address? Do you need maintenance or support? **Contact us. We are happy to help.**

(408) 436-6336