The Materials Characterization Lab works at technology readiness levels that cover the spectrum from the fundamental (quantum physics, superconductivity, metamaterials) to the applied (electronics, coatings, targeted drug delivery). MCL is training the next generation of skilled engineers and scientists for the workplace of the future.

Not only is the MCL on the cutting edge with respect to equipment and expertise, but perhaps equally important is the team’s ability to understand and respond to the unique needs of industry.

- Jennifer Schneider
Manager of R&D, Titan Spine
The Materials Characterization Laboratory is a fully staffed, open access analytical research facility at Penn State’s Materials Research Institute. Our scientists and engineers have recently partnered with more than 160 different companies to provide solutions to materials related challenges.

**CAPABILITIES**
- Electron Microscopy
- Surface Analysis
- Molecular Spectroscopy
- X-Ray Scattering
- Electrical Characterization
- ...and more

**ENGAGE**
We engage with industry, government, universities, and other external users.

**DISCOVER**
We provide access to our world-class facilities and staff while offering the most progressive IP policy in academia.

**SUCCEED**
We are passionate about enabling the transition of fundamental research into real world applications.

**MCL**
Materials Characterization Lab

**www.mri.psu.edu/mcl | 814.865.2328**

**From Fundamental to Applied**

**EXPERTISE**
MCL has an established history of successful collaborations with industry partners of all sizes—from start-up to multinational Fortune 500 companies.