

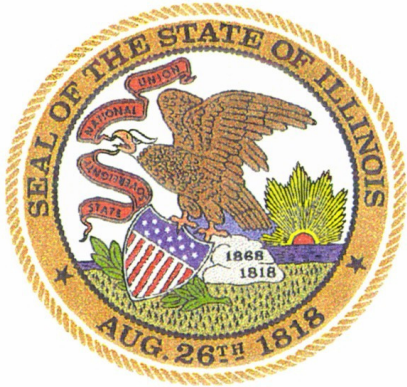
## STATE-OF-THE-ART EQUIPMENT AND FACILITIES

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EEC – 0647560

The Northwestern University NSEC maintains a cadre of high quality nanocharacterization and nanofabrication equipment, which enables researchers to conduct cutting-edge research at the nanoscale. In order to support this effort, the Center has significantly leveraged its NSF support with a recent \$5,000,000 grant from the State of Illinois Department of Commerce and Economic Opportunity. Recent acquisitions include the Hysitron TriboIndenter®, S-4800 and S-3600 scanning electron microscopes from Hitachi High Technology, and an FEI Dual Beam Focused Ion Beam System. These new capabilities are available to the entire academic community as well as industrial partners.



TriboIndenter®



S-4800 Scanning Electron Microscope

Examples of the cutting-edge equipment installed during the past funding cycle from support of the NU-NSEC and the State of Illinois.