The Penn State Nanofabrication Laboratory saves companies the expense of maintaining their own state-of-the-art equipment and provides a highly skilled technical staff dedicated to working with companies from Pennsylvania and beyond.

"We have been using the fabrication facilities at Penn State to build and characterize our development devices. We've saved millions in capital and operational expenditures; more importantly, we saved precious time." - Joe Marcanio
Owner & CEO, Marcanio Co.

"The Nanofab’s level of technical resources can help enable and extend the continued growth and global reach of our Pennsylvania-based company. We enthusiastically support and will actively seek ways to strengthen our relationship with this valuable resource." - Kurt J. Lesker III
CEO, Kurt J. Lesker Company
The Nanofabrication Laboratory
Innovation at the Nanoscale

At Penn State, nearly one hundred research groups are engaged in high-impact science and engineering at the nanoscale. The Nanofab provides specialized instruments and experienced, highly trained technical staff who support researchers in areas that reflect our faculty strengths, including sputter deposition, atomic layer deposition, thin film piezoelectrics, two-dimensional materials, CMOS, and MEMs.

Technical capabilities that set the Nanofab apart include e-beam lithography of fine spatial scale on curved surfaces and the ability to integrate nontraditional electronic materials, such as complex oxides, chalcogenides, graphene etc., into complex structures. The laboratory has world-class capabilities in the area of deposition, etch, lithography, and material modification.

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