Micro/Nano Technology Center
University of Louisville

Providing fabrication and design services for numerous MEMS, microelectronics, electro-optics, microfluidics and nanotechnology applications.

The center encompasses core facilities for micro/nano fabrication, packaging, metrology & test, including a $30M 10,000 ft² 7 bay, class 100/1000 cleanroom.

Advanced Processes
> Photo & e-beam Lithography
> Mask Generation
> Physical Vapor Deposition
> Chemical Vapor Deposition
> Oxidation & Diffusion
> Etching, Machining & Bonding
> Packaging, Metrology & Testing
> Material Characterization
> Design Modeling & Layout

Successful Projects
> Lab on a Chip Systems
> Pressure & Vacuum Sensors
> Optical & Thermal Microphones
> Micro-hotplates & Preconcentrators
> Implantable MEMS Sensors
> Micro-needles & Electrode Arrays
> Microelectronics & Optical Devices
> Micro-pumps & Actuators
> Energy Harvesting Elements

UNIVERSITY OF LOUISVILLE®

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