



UNIVERSITY OF
MASSACHUSETTS –
FLAGSHIP CAMPUS
AMHERST, MA
EDUCATION & RESEARCH
& DEVELOPMENT
FOUNDING MEMBER



UMassAmherst

The Commonwealth's Flagship Campus

Research and Innovation

Strategic Alliances and Innovation

Partner with UMass Amherst on:

- access to 30 core facilities
- innovative and applied research programs
- assistance with product development
- internships and recruitment
- workshops and short courses
- scientific and technical exchange programs
- business model discovery
- and other creative ways of engagement!



These facilities below are available for industry use. If you have a problem, we may have the solution.
Our researchers and facilities can help move your projects forward.

Device Fabrication / Engineering

- ADDFab (3D Printing)
- Atomic Force Microscopy
- Electron Microscopy
- Electronic Materials
- Roll to Roll Fabrication & Manufacturing
- Device Characterization
- Device Fabrication (Marcus Clean Room)
- High Frequency Sensor Development
- Nanofabrication (Conte clean room)
- Sensor Integration
- X-ray Scattering
- Nuclear Magnetic Resonance and Mass Spectrometry

Learn more about all of the facilities at:

<https://www.umass.edu/ials/core-facilities>

[CLICK HERE FOR A VIDEO](#)

Highlights for Advanced Manufacturing

- **ADDFab:** Core capabilities are metal 3-D printing, nylon 3-D printing (EOS Formiga P110), multiple material 3-D printing (Connex 350), laser cutting (GCC Spirit GLS). ADDFab provides 3-D printing and related digital manufacturing services to support device prototyping and testing.
- **Device Characterization:** This lab offers a full suite of mechanical testing capabilities to fully characterize materials and fabricated devices.
- **Roll to Roll Fabrication:** This facility provides a unique set of custom web-based tools for the translation of advanced materials and nano-manufacturing processes for the next generation sensors.
- **eDesign Center:** Funded by NSF and Industry, the center works at the cutting edge of next-gen manufacturing software.

<http://edesign.ecs.umass.edu/>