EMPOWERING INNOVATION
Design, Pilot Manufacturing & Testing

Resources:
- Multi-component fiber extrusion
- Designer substrates and inks for 3D printing and roll-to-roll processing
- Textile assembly (knitting, weaving, braiding)
- Textile finishing equipment (coating, printing, sewing, bonding)
- Gateway for interaction with the medical device incubator (M2I2) and the technology incubator (iHub)

Expertise:
- Polymeric materials science and engineering
- Functional apparel design
- Robotics and automation
- Wearable device user performance assessment
- Wide range of testing capabilities
- Technical workforce training (in collaboration with community colleges, MassMEP, and K-12 schools)

CONNECTION
UMass Lowell Fabric Discovery Center
www.uml.edu/research/fdc

Contact us at: LowellFDC@uml.edu
**FABRIC DISCOVERY CENTER ECOSYSTEM**

Academia, industry, and Government join forces at the UMass Lowell Fabric Discovery Center to transform new ideas into prototypes and scale-up to create dual-use products.

**MANUFACTURING INSTITUTES**

As members of Manufacturing USA, these three manufacturing institutes collaborate with the Fabric Discovery Center by providing funding, support, and research capabilities.

Advanced Functional Fabrics of America (AFFOA) is based in Cambridge, MA with the mission of rekindling the domestic textiles industry by leading a nationwide enterprise for advanced fiber & fabric technology development and manufacturing, enabling revolutionary system capabilities for national security and commercial markets.

go.affoa.org

NextFlex®, America’s Flexible Hybrid Electronics Manufacturing Institute, was formed in 2015. It is a consortium of American electronics companies, academic institutions, non-profits and state, local and federal government partners with the shared goal of advancing U.S. manufacturing of printed flexible electronics.

nextflex.us

Advanced Robotics for Manufacturing (ARM) is the nation’s leading collaborative in robotics and workforce innovation. ARM accelerates the development and adoption of innovative robotics technologies that are the foundation of every advanced manufacturing activity today and in the future.

arminstitute.org

As part of the Massachusetts Technology Collaborative, the Massachusetts Manufacturing Innovation Institute (M2I2) has a mission to foster the most complete, most connected, and fastest manufacturing ecosystem from innovation through production.

m2i2.masstech.org