Manufacturing USA®

Securing America's Manufacturing Future

Manufacturing USA exists to secure U.S. global leadership in advanced manufacturing through large-scale public-private collaboration on technology, supply chain, and workforce development. The institutes in the Manufacturing USA network convene business competitors, academic institutions, and other stakeholders to test applications of new technology, create new products, reduce cost and risk, and enable the manufacturing workforce with the skills of the future.

Our efforts help ensure what's **invented here** is **made here** by a skilled American workforce.

2024 Impacts

Work with **3,100+** Member Organizations

Engage **200,000+** people with workforce knowledge and skills in advanced manufacturing

Collaborate on **875** major applied research and development projects

Invest **$527M** in these activities from state, industry, and federal funds

Improving Our Way of Life

Innovating products that assist workers, make buildings safer, consume less energy, and save lives. Today's research will improve tomorrow's reality.

Strengthening Our Economy

Leading research and development on critical manufacturing technologies to strengthen U.S. global competitiveness, ensuring our country will reap the rewards of American innovation at scale.

Ensuring Our National Security

Supporting a strong advanced manufacturing sector, critical for our cyber, economic, energy, food, and health security. The network's emphasis on domestic manufacturing and technology will secure American prosperity.

Empowering the Current and Next Generation

Partnering with educational organizations to teach advanced manufacturing technologies via workshops, courses, internships, and apprenticeships. With this investment in skills, we will create the workforce of the future.

Manufacturing USA®

ManufacturingUSA@nist.gov
ManufacturingUSA.com
@MFGUSA

Manufacturing USA®

A public-private partnership with U.S. industry and academia

Manufacturing USA includes three agencies and their sponsored manufacturing innovation institutes – the U.S. Departments of War (9 institutes), Energy (7 institutes), and Commerce (1 institute) – along with 6 additional partner agencies. These institutes convene members from the public and private sectors to harness the potential of emerging technologies for large-scale innovation.

Electronics	Materials	Energy/Processes	Digital /Automation	Biomanufacturing
AIM PHOTONICS Integrated Photonics *Albany, NY* *Rochester, NY*	AFFOA Advanced Functional Fabrics of America Advanced Fibers and Textiles *Cambridge, MA*	EPIC Electrified Processes for Industrial eXCellence Electrified Industrial Process *Tempe, AZ*	America Makes Additive Manufacturing *Youngstown, OH* *El Paso, TX*	biofabusa Regenerative Manufacturing *Manchester, NH*
NEXTFLEX Flexible Hybrid Electronics *San Jose, CA*	FUTURETEX The Textile Futures Institute Textile Futures *Belmont, NC*	RAPID Transforming Process Industries Modular Chemical Process Intensification *New York, NY*	ARM INSTITUTE Advanced Robotics *Pittsburgh, PA*	BioMADE Bioindustrial Manufacturing *St. Paul, MN*
POWERAMERICA Wide Bandgap Semiconductors *Raleigh, NC*	THE COMPOSITES iacmi INSTITUTE Advanced Composites *Knoxville, TN*		CESMII THE SMART MANUFACTURING INSTITUTE Smart Manufacturing *Los Angeles, CA*	NIMBL Biopharmaceutical Manufacturing *Newark, DE*
	lift Materials *Detroit, MI*		CYMANII the cybersecurity manufacturing innovation institute Cybersecurity in Manufacturing *San Antonio, TX*	
	REMADE INSTITUTE Sustainable Manufacturing *Rochester, NY*		MxD Digital Manufacturing *Chicago, IL*	

Public Partners

To promote a robust and sustainable national manufacturing infrastructure, the Manufacturing USA network includes the Department of Commerce, Department of War, Department of Energy, along with the Departments of Agriculture, Education, Health and Human Services, and Labor, National Science Foundation, and NASA.

Learn more about how to participate by visiting ManufacturingUSA.com.