

# Manufacturing USA<sup>®</sup>

## 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.



Work with  
**2,500+**  
Member  
Organizations



Collaborate on  
**670+**  
major applied  
research and  
development  
projects



Engage  
**106,000+**  
people with  
workforce  
knowledge and  
skills in advanced  
manufacturing



Invest  
**\$416M**  
in these activities  
from state,  
industry, and  
federal funds

### 2022 Impacts

#### 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.



301.975.2830  
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 Defense (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/Environment

### Digital /Automation

### Bio-Manufacturing



Integrated Photonics  
Albany, NY  
Rochester, NY



Advanced Fibers  
and Textiles  
Cambridge, MA



Smart Manufacturing  
Los Angeles, CA



Additive Manufacturing  
Youngstown, OH  
El Paso, TX



Regenerative  
Manufacturing  
Manchester, NH



Flexible Hybrid  
Electronics  
San Jose, CA



Advanced Composites  
Knoxville, TN  
Detroit, MI



ELECTRIFIED PROCESSES FOR  
INDUSTRY WITHOUT CARBON

Industrial Process  
Decarbonization  
Tempe, AZ



ARM  
INSTITUTE

Advanced  
Robotics & AI  
Pittsburgh, PA



Bioindustrial  
Manufacturing  
St. Paul, MN



Wide Bandgap  
Semiconductors  
Raleigh, NC



Advanced  
Materials  
Detroit, MI



Sustainable  
Manufacturing  
Rochester, NY



Cybersecurity in Manufacturing  
San Antonio, TX



Biopharmaceutical  
Manufacturing  
Newark, DE



The Digital Manufacturing  
& Cybersecurity Institute

Digital Manufacturing &  
Cybersecurity  
Chicago, IL



Modular Chemical  
Process Intensification  
New York, NY

## Public Partners

To promote a robust and sustainable national manufacturing infrastructure, the Manufacturing USA network includes the Department of Commerce, Department of Defense, 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](http://ManufacturingUSA.com).



301.975.2830  
[ManufacturingUSA@nist.gov](mailto:ManufacturingUSA@nist.gov)  
[ManufacturingUSA.com](http://ManufacturingUSA.com)  
[@MFGUSA](https://twitter.com/MFGUSA)