Strengthening U.S. Manufacturing:
Manufacturing USA® and the Manufacturing Extension Partnership

Manufacturing USA and the Manufacturing Extension Partnership (MEP) are national networks of public-private partnerships that strengthen U.S. manufacturing. Both are coordinated and supported by the National Institute of Standards and Technology (NIST) to ensure that United States (U.S.) industry produces high-quality products domestically and remains globally competitive.

Manufacturing USA®

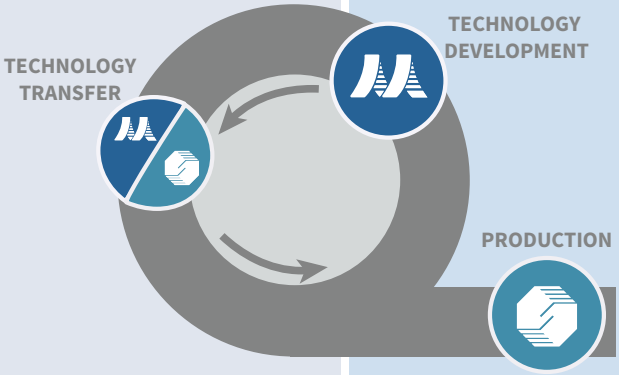
Manufacturing USA is a national network of 18 manufacturing innovation institutes created to secure U.S. global leadership in advanced manufacturing through large-scale public-private collaboration on technology, supply chain, and education and workforce development. The institutes, sponsored by the U.S. Departments of Defense, Energy and Commerce, partner with six additional federal agencies.

NIST | MANUFACTURING EXTENSION PARTNERSHIP

MEP is a public-private partnership with a national network of Centers across the U.S. and in Puerto Rico that supports small and medium-sized manufacturers (SMMs) in adopting and/or scaling up advanced manufacturing technologies to improve U.S. industrial competitiveness and SMM economic outcomes.

Serving U.S. Manufacturers Throughout the Full Technology Deployment Cycle

Manufacturing USA:
Builds future manufacturing capabilities through applied research for technology development, along with the requisite workforce skills.



MEP: Accelerates the adoption of advanced manufacturing technologies with SMMs to boost production capacity, enhance supply chain integration, and develop a strong workforce.

Network Activity in Action: Strengthening U.S. Manufacturing

- 200,000+ WORKERS TRAINED
- 875 MAJOR R&D PROJECTS
- 3,100 PROJECT PARTNERS
- $526.4 MILLION STATE, FEDERAL, & PRIVATE SUPPORT

2026 Manufacturing USA data.

- 1,990+ ACTIVE PARTNERS AT 400+ SERVICE DELIVERY LOCATIONS
- 24,120+ TOTAL PROJECTS COMPLETED
- 12,490+ UNIQUE CLIENTS SERVED
- 2,540+ TECH & IT SERVICES RELATED PROJECTS COMPLETED

Fiscal year (FY) 2025 MEP non-survey related data.

ManufacturingUSA.com | **nist.gov/mep**

Go-To Resources for U.S. Manufacturing

FOCUS ON

Large-scale collaboration with multiple organizations working together on R&D innovation projects

18 national institutes, each with a particular technology focus. Members include companies and universities from all 50 states and Puerto Rico.

Members join institutes and gain access to each other, shared facilities, technology, equipment, intellectual property, and training and development opportunities.

Public-private Partnership

Public funders: Departments of Commerce (1 institute), Defense (9 institutes), Energy (7 institutes)

Matching funds provided by member companies, academic organizations, and state and local governments.

FOCUS ON

Primarily one-on-one interactions between MEP Centers and SMMs

MEP Centers located across the U.S. and in Puerto Rico, with trusted advisors and experts at MEP service locations who serve local manufacturers but collaborate and share expertise nationally.

Centers work within a state ecosystem and provide fee-for-services to manufacturers.

Public-private Partnership

Public funder: Department of Commerce

Additional funding from state and local governments.

MANUFACTURING USA INSTITUTES

Advanced Manufacturing Technology	• Develop specific new and innovative manufacturing technologies • Scale-up new manufacturing technologies to produce new products and processes across entire industry sectors
Innovation Ecosystems	• Spur creation and expansion of local and regional technology ecosystems • Work across the national innovation ecoystem to strengthen manufacturing
Workforce	• Strengthen workforce pipeline in specific technologies

MEP CENTERS

Supply Chain Integration	• Supply chain services offer risk management solutions and build resiliency
Technical Services	• Advanced manufacturing technology adoption and cybersecurity practices optimize production, improve efficiency, and create new, highly customized products
Innovation Ecosystems	• Strengthen and create robust manufacturing ecosystems including state, regional, and local agencies, economic development organizations and educational institutions
Workforce	• Provide skills training and credentialing in support of SMMs including apprenticeships and industry recognized certifications

Joint Projects

- Cybersecurity for manufacturers
- Education and workforce development in advanced technologies for SMMs
- Technology transfer and implementation from the institutes

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