Manufacturing USA and the Manufacturing Extension Partnership (MEP) coordinate complementary public-private partnerships to assist U.S. manufacturers. Both are headquartered at the National Institute of Standards and Technology (NIST), and support U.S. industry to manufacture high-quality American made products that compete in the global marketplace.

Manufacturing USA is a national network of 16 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.

MEP is a public-private partnership with Centers in all 50 states and Puerto Rico – with over 1,400 trusted advisors and experts at more than 385 MEP service locations working side-by-side with manufacturers to reduce costs, improve efficiencies, develop the next generation workforce, create new products, find new markets and more.

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

MEP: Focuses on deployment of available technology and business practices primarily to small and medium-sized manufacturers (SMMs).

Distinct Approaches, One Outcome: Strengthening U.S. Manufacturing

Manufacturing USA data.

2020 MEP data.

ManufacturingUSA.com

nist.gov/mep
# Go-To Resources for U.S. Manufacturing

## MANUFACTURING USA INSTITUTES

<table>
<thead>
<tr>
<th>Focus Areas</th>
<th>Summary</th>
</tr>
</thead>
</table>
| **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 ecosystem to strengthen manufacturing |
| **Workforce** | • Strengthen workforce pipeline in specific technologies |

## FOCUS ON

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

## 16 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 (6 institutes)
- Matching funds provided by member companies, academic organizations, and state and local governments.

## MEP CENTERS

<table>
<thead>
<tr>
<th>Focus Areas</th>
<th>Summary</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Business Practices</strong></td>
<td>• Lean and Continuous Improvement, Quality Management, Sustainability, Business Growth Services, Financial Services, Supply Chain Services, Risk Management</td>
</tr>
<tr>
<td><strong>Technical Services</strong></td>
<td>• Engineering Services/Plant Layout, Cybersecurity and Information Technology Services, Advanced Manufacturing Technology/Industry 4.0 Services, Product Development support, Process Integration</td>
</tr>
<tr>
<td><strong>Innovation Ecosystems</strong></td>
<td>• Go-to resource for building manufacturing communities within states</td>
</tr>
<tr>
<td><strong>Workforce</strong></td>
<td>• Talent planning; customized skills training, including apprenticeships &amp; industry recognized certifications; connections with state &amp; local resources</td>
</tr>
</tbody>
</table>

## FOCUS ON

- **Primarily one-on-one interactions between MEP Centers and SMMs in their state**

## 51 MEP Centers located in all 50 states and Puerto Rico, trusted advisors and experts at MEP service locations 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.

## 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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