



# Manufacturing Institute

**Ohio Manufacturing Institute (OMI)** is a single-entry point for making Ohio State University's technical resources available to Ohio manufacturers and to facilitate the use of those resources for economic development. Through our technical evaluation and support, OMI meets customer needs by providing manufacturers with a quick and cost effective mechanism for research, development and process support utilizing Ohio State's faculty expertise.

### **Teamed Research and Development Projects**

OMI serves as the "virtual R&D" resource for local manufacturers seeking advanced technology solutions to current and future manufacturing problems.

### **Rapid Response Engineering**

We maintain access to Ohio State research facilities, faculty and students and have rapidly-executable, no-nonsense agreements that make advanced resources quickly available for manufacturing problem solving, or new technology development or assessment.

### **Technical Focus Areas**

OMI is focused on the areas of components and assemblies within the broad scope of manufacturing. Ongoing activities include:

- Light vehicle structures
- Advanced casting, forming, heat treatment, welding and joining methods
- Lean for high-mix, low volume manufacturing
- Simulation-aided operational excellence
- Agile manufacturing processes
- Advanced additive manufacture
- New process development

### **Courses and Training**

OMI hosts technical training and seminars targeted towards Ohio manufacturers. Technical courses and seminars are available on manufacturing and allied topics. Examples with archived online technical content include:

- High speed forming
- Lightweight vehicle structures
- Bulk metallic glass forming, including thermoplastics
- 5th photonic Doppler velocimetry

In addition, OMI offers technical hands-on training based on company need to advance workforce technical capabilities.

### **Technical Resource Archive**

OMI maintains a technical archive based on proceedings from various technical courses, events and in-house training, available for access.

### **Student Solutions**

OMI offers a unique co-located internship program in which students work for a company on a specific project, utilizing university faculty mentors as well as labs, equipment and resources, thus enhancing the project outcome.

### **Contacts:**

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