MEP AT OHIO STATE INTERNAL RESOURCES

The Ohio State University’s Center for Design and Manufacturing Excellence (CDME) has been chosen by the Ohio Development Services Agency (ODSA) to support the National Institute of Standards and Technology’s (NIST) Manufacturing Extension Partnership (MEP) program. This program is a logical extension of The Ohio State University’s land grant mission and will provide access to the resources of the university for small and medium-sized manufacturing entities (SMMEs) located in the 37 Ohio counties in our region.

The MEP initiative at Ohio State focuses on providing value-added manufacturing consulting services to the SMMEs identified in our region.

ABOUT MEP INTERNAL RESOURCES

Center for Design and Manufacturing Excellence (CDME)

CDME is the lead organization for the MEP at Ohio State program. CDME provides industry with a simple expeditious way to access all the technical and physical assets of the university and surrounding research community.

Ohio Manufacturing Institute (OMI)

The Ohio Manufacturing Institute develops industry-vetted policy recommendations to help the state and nation develop a best-practice competitive ecosystem for small- and mid-sized manufacturing enterprises (SMMEs).

Materials Innovation Greenhouse (MIG)

Materials Innovation Greenhouse focuses on five critical component areas: discovery, clean energy, sustainability, systems and social-behavioral sciences with energy-environmental policy. The greenhouse serves to internally integrate university disciplines, colleges, departments and centers for a singular focus, building on established strengths and assets.

Integrated Systems Engineering (ISE)

The ISE Department offers degrees in industrial and systems engineering (B.S., M.S. and Ph.D.). These degrees focus on the design, operation and management of complex systems, providing students with a blend of technical, management and human-centered design skills.

Center for Operational Excellence (COE)

COE offers operational excellence education from leading academics and researchers, students, and member organizations from many different industries. The collaboration fosters a problem-solving culture that’s grounded in tried-and-true operational excellence tools.

Technology Commercialization Office (TCO)

The TCO specializes in the commercialization, marketing, and protection processes for technologies created by the hands of inventors and perfected by business leaders and industry licensees.
Center for Electron Microscopy and Analysis (CEMAS)

CEMAS is one of the largest concentrations of electron and ion beam analytical microscopy instruments in any North American institution. The provision of comprehensive computer facilities for data processing and image simulation allows academic and industrial users to carry out their entire microscopy and analysis program at CEMAS.

ElectroScience Lab

The ElectroScience Laboratory (ESL) is a major center-of-excellence in the Department of Electrical and Computer Engineering and one of the largest radio frequency and optics research laboratories in the world. Since 1942, ESL has consistently maintained a national and international preeminence in electromagnetics, influencing radio research like no other institution in the world.

Simulation Innovation and Modeling Center (SIMCenter)

The Simulation Innovation and Modeling Center, or SIMCenter, researches and applies computer-aided engineering techniques to the design and manufacturing of advanced product and production concepts. Located in Smith Laboratory, the SIMCenter combines expertise from several College of Engineering departments, including mechanical, aerospace, electrical, industrial, materials science, computer science, and Integrated Systems and partnership with Ohio Supercomputer Center.

Nanotech West Lab

Nanotech West Lab focuses on micro- and nanotechnology and the potential to transform both research and industry applications. Current research programs at Ohio State span the fields of electronics, optics, advanced materials and characterization, energy, biology and medicine. Nanotech West assists in conducting research, a marketing, and evolving product designs.

Ohio Supercomputer Center

The Ohio Supercomputer Center empowers a wide array of groundbreaking innovation and economic development activities in the fields of bioscience, advanced materials, data exploitation and other areas of state focus by providing a powerful high performance computing, research and educational cyberinfrastructure for a diverse statewide/regional constituency.

Center for the Accelerated Maturation of Materials (CAMM)

CAMM performs world class R&D and develops technologies, which are captured in products that create wealth and jobs and provides an enhanced educational process. Inputting significant effort in developing and integrating characterization and modeling, CAMM develops new research tools and methodologies to accelerate the insertion of new materials into commercial products.

Center for Automotive Research (CAR)

The Center for Automotive Research (CAR) is an interdisciplinary research center in The Ohio State University’s College of Engineering. CAR research focuses on: energy, safety and the environment, aimed at improving sustainable mobility. CAR offers state-of-the-art facilities for students, faculty, research staff and industry partners.

Fontana Corrosion Center (FCC)

In the MSE department at Ohio State, conducted at the Fontana Corrosion Center (FCC) focuses on the study of aqueous corrosion in the effort to develop better methods to protect materials from the adverse impacts of the environment.

The Ohio Manufacturing Extension Partnership (MEP) program is funded in part by the U. S. Department of Commerce, National Institute of Standards and Technology, the Ohio Development Services Agency and local partners, including the Center for Design and Manufacturing Excellence. Ohio MEP is driving productivity, innovation and global competitiveness for Ohio manufacturers with a focus on small and medium sized enterprises. The MEP program at The Ohio State University works thanks to a network of partnerships whose efforts promote a strong manufacturing ecosystem rooted in Ohio.

CONTACT

Manufacturing Extension Partnership at CDME

1314 Kinnear Road, Suite 1533, Columbus OH, 43212
614.292.6888  cdme@osu.edu

Eric Wagner, Program Manager
wagner.293@osu.edu  •  614-292-3604

Dorinda Byers, Growth Advisor
byers.18@osu.edu  •  740-680-0612

Mick Whitt, Manufacturing Business Dev. Specialist
Ohio State South Centers
whitt.124@osu.edu  •  740-289-2071
southcenters.osu.edu