

# Solve more

when you partner with the Center for Materials Processing



## What does partnership with the Center for Materials Processing mean for your company?

- Team with University of Tennessee students, faculty, and staff focused on solving your industry challenges.
- State-of-the-art technical resources leveraged for your studies.
- A working relationship designed to meet your needs.

Discover your opportunities for partnership. Contact CPM staff at [cmp@utk.edu](mailto:cmp@utk.edu) or visit [cmp.utk.edu/industrial-partnering](http://cmp.utk.edu/industrial-partnering).

## Empowering Solutions

The Center for Materials Processing was created by the Tennessee Higher Education Commission in 1985. Since then, it has operated at the center of academic and industrial problem solving related to materials.

Our mission involves serving the needs of industry partners while promoting research and teaching. Through partnerships, students gain valuable academic and industry experience while companies gain the resources they need to solve challenges, improve their competitive advantage, and start developing new products.

## Meet the CMP Staff



**Phillip Rack**  
Director



**Andy Sarles**  
Associate Director for Industrial Partnerships  
Associate Professor, Department of Mechanical, Aerospace, and Biomedical Engineering

## Three Ways to Partner with Us

Choose between short- and longer-term engagements. For each type, students have access to CMP equipment and can perform research on or off the UT campus. We tailor the details of how we work together with you to meet your goals efficiently and effectively.

- **Facilities Membership Agreement**  
*Starts at \$500*  
Engage a carefully selected undergraduate student(s) to research a specific question or perform particular tasks. This short-term engagement can be as brief as one day or last much longer.
- **Senior Design Project Agreement**  
*\$2,500*  
Engage a team of three to five undergraduate students to focus their senior design project on your research question. Their project spans two semesters and results in a set of deliverables that we craft together with multiple project stages along the way.
- **Full Membership Agreement**  
*\$55,000 (average)*  
Engage a graduate student to carry out in-depth research under the direct supervision of a UT faculty member. This research typically lasts one to five years.

## Benefits of Partnership

- **Extend your team**  
Tap into the expertise, insights, and passion that university faculty, staff, and students bring to the table in materials science and related engineering disciplines.
- **Leverage our equipment**  
Get high-quality data for your processing and characterization studies without the cost of purchasing and maintaining your own highly specialized equipment.
- **Evaluate new talent**  
Discover the next generation of engineers, researchers, and leaders, and help them shape their careers.
- **Support materials education**  
Help us advance materials education and, if you're located in Tennessee, show your pride in our state's students.

“Over a few months, materials science and engineering students propelled the project forward. Along with access to the instrument and the time provided by the students, faculty members provided guidance in the development of the experimental design of the investigation. This collaboration truly represents the kind of cooperation that fuels Tennessee research capability, both in manufacturing and in education.”

— **Bruce Prezzavento**,  
Technical Director, MiniFIBERS Inc.

## How to Get Started

**1** Contact CMP staff at [cmp@utk.edu](mailto:cmp@utk.edu)

**2** Discuss your needs, choose your agreement and tailor the details to your needs

**3** Fund your project

**4** Begin work



- **Specialized equipment.**
- **The next generation of researchers.**
- **Solutions for your company's challenges.**



CENTER FOR MATERIALS PROCESSING

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