

CENTER FOR AEROSPACE MANUFACTURING TECHNOLOGIES

292C Toomey Hall
Douglas A. Bristow (Director)
<https://camt.mst.edu>

Investigators

Douglas Bristow, K. Chandrashekhara, Frank Liou, Robert Landers, Ming Leu, Joseph Newkirk, Xianyang Dong, Yijia Gu, Gregory Hilmas

The mission of the Center for Aerospace Manufacturing Technologies (CAMT) is to serve as a center of excellence to research, develop, evaluate and demonstrate new and optimal methodologies and tools for the rapid and cost-effective manufacture of aerospace components and products and to promote new education and training programs for the evolving aerospace manufacturing workforce, resulting in significant technological advancement and national economic impact.

CAMT was established in May 2004 at Missouri S&T in partnership with Boeing through major funding from the Air Force Research Laboratory in Dayton, Ohio, with the following objectives:

- Research, develop, evaluate, demonstrate and transfer advanced technologies of critical importance to the Air Force and the aerospace supply chain in the United States.
- Create knowledge, methodologies and tools to improve affordability, rapidity, quality, productivity, reliability, and safety in aerospace manufacturing.
- Disseminate the generated results to the aerospace supply chain through direct technology transfer as well as education, training and outreach activities.
- Serve as a role model of university-industry-government collaborative relationship.

CAMT has an array of technologies devoted to advancing manufacturing fabrication and assembly. The interdisciplinary teams, along with advanced equipment and facilities, have created a substantial technology force at Missouri S&T. Realizing the value and importance of CAMT to the entire U.S. aerospace industry, the CAMT Industrial Consortium was established in 2007. Through this, CAMT benefits all consortium members, and its R&D activities are directed by the consortium members.