



# Wright Materials Research Co.

## Capability Statement

**Company:** Wright Materials Research Co. (WMR) is a small minority-owned business founded in 1990. The company has worked with many Federal agencies in developing lightweight advanced materials for aerospace and outerspace structures, and military and personnel protection. Our mission is to produce ultra-lightweight materials and structures designed to withstand severe conditions (i.e., extreme temperatures, ballistic assault, space travel).

**Key Personnel:** Dr. Seng Tan (founder, President & CEO) received his Ph.D (mechanical engineering, advanced composites) from U. of Utah in 1983. He has over 25 years of R&D experience in advanced materials. In addition, Dr. Tan has over 15 patents and 50 archived technical publications. He is the Principle Investigator of numerous government contracts and grants.

**Staff:** WMR has research engineers with Ph.D degree in mechanical engineering; Ph.D degree in polymer science and engineering; business manager with MA in Public Administration; accountant with M.A. degree in economics; senior technicians and technical supports.

### Company Designations

CAGE Code: 0XE12  
DUNS Number: 783569528  
EIN: 31-1394678  
Corporate Structure: Small Business  
Minority-Owned  
C Corporation  
ORCA Registration: Complete  
NAICS Codes  
325222, 326130, 326140, 326150,  
326199, 335991, 336413, 336414,  
336419, 339113, 336992, 325222  
SIC Code  
8731, 8711

### Contact Information

Wright Materials Research Co.  
1187 Richfield Center, Beavercreek, OH 45430  
Phone: (937) 431-8811  
Fax: (937) 431-4746  
Website: [www.wrightmat.com](http://www.wrightmat.com)  
Dr. Seng Tan, President/CEO

### Capabilities

- \* Produce advanced microcellular polymers & carbon foams;
- \* Produce lightweight sandwich materials & structures for ballistic and blast protections;
- \* Develop shipping containers for solid rocket motors, explosives, etc., with IM requirements;
- \* Produce lightweight structural materials with superior insulation properties;
- \* Fabricate polymer nanofibers & construct filter media;
- \* Develop shape memory polymer foams & sandwich materials
- \* Net-shape foaming of complex shape structures;
- \* Composite structures with superior EMI shielding capability;
- \* Create submicron and nanocellular polymer foams for canopies & windscreen applications;
- \* Develop reflective & conductive polymer thin films (via in-situ metallization technique) & space mirrors;
- \* Produce reconfigurable tooling materials & techniques for rapid composite fabrication.