

Thermal Manufacturing Industries Advanced Technology Consortium

Leading and coordinating a national initiative to develop and deploy advanced manufacturing technologies across the broad thermal manufacturing community

Advanced thermal manufacturing technologies have the potential to improve the efficiency, productivity, and global competitiveness of a wide range of U.S. materials manufacturing and value-added end user industries. However, significant technical challenges identified in previous roadmapping efforts are still preventing the development and deployment of these technologies.

How Can Thermal Manufacturing Progress Faster?

Previous roadmaps were developed independently from one another by the different industries that rely on or supply thermal equipment and processes as a critical part of their operations. Rather than conducting a comprehensive effort, these industries instead focused primarily on their specific areas of interest. As a result, there has been a lack of the necessary coordination and critical mass needed to address the technical challenges facing these industries. Especially troubling has been the incomplete transfer of available technologies to the small and medium enterprises that make up a large segment of the thermal manufacturing industries.

TMI ATC Is Leading the Way

The Thermal Manufacturing Industries Advanced Technology Consortium (TMI ATC) developed a comprehensive R&D roadmap that identifies common thermal manufacturing needs across industries. Using input from key stakeholders solicited from two technology roadmapping workshops, the roadmap identifies common barriers that currently constrain the use of advanced technologies in thermal manufacturing and outlines actions to develop, adapt, and implement these technologies in the next five years. In conjunction with ASM International, the Metal Processing Institute (MPI) at Worcester Polytechnic Institute is currently leading the implementation of the development activities identified through the roadmap process.

We Need Your Help

The success of TMI ATC relies on the input and participation of thermal manufacturing industry members like you. Together we can transform this industry into a highly efficient, productive, and competitive cornerstone of the U.S. advanced manufacturing economy. To see how you can get involved, contact us today or visit tmiatc.org.

