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 “thermal manufacturing 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 Will Lead the Way**

The Thermal Manufacturing Industries Advanced Technology Consortium (TMI ATC) will lead the development of a comprehensive R&D roadmap that identifies common thermal manufacturing needs across industries and solicits input from key stakeholders in highly interactive, action-oriented technology roadmapping workshops. The outputs from these sessions will identify advanced manufacturing technologies ready for implementation in thermal manufacturing industries as well as high-priority areas for development. In parallel, ASM International will lead the development of the consortium, which will comprise members from key industry associations and facilitate technology implementation and sustainability.

**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. Contact us to see how you can get involved today.

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