



Selective Laser Melting Applied in Alloys

Guest Editor:

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Message from the Guest Editor

In recent years, the development of metal additive manufacturing has been particularly rapid, with selective metal melting technology being one of the most mainstream technologies in additive manufacturing due to its high manufacturing accuracy and excellent performance of the parts prepared. It has been initially applied on a large scale in industries such as aerospace, medical, mold, etc. The material systems involved include but are not limited to aluminum alloy, titanium alloy, high-temperature alloy, steel, and so on. As a kind of manufacturing technology, metal additive manufacturing and material research and development are closely related, promoting each other and developing in synergy. The recent development trend of selective metal melting technology is how the technology itself can adapt to a wider range of material systems, such as a higher accuracy, better performance, faster efficiency, and alloy development through material genetic methods; the other is how to design and develop special materials suitable for additive manufacturing technology. We invite authors to contribute research articles or reviews on the broad range of topics addressed above.





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