

Laser Additive Manufacturing: A Literature Review

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Abstract : Additive manufacturing (AM) is one of the several manufacturing processes in use today. AM comprises of techniques such as 'Selective Laser Sintering' and 'Selective Laser Melting' etc. along with other equipment and materials has been developed way back in 1980s, although major use of these methods has risen during the last decade. AM seems to be the most efficient way when compared to the traditional machining procedures. Still many problems continue to hinder its progress to becoming the most widely used of all. This paper contributes to the better understanding of AM and also aims at providing viable solutions to these problems, which may further help in enabling AM to become the most flaw free production method.

Keywords : additive manufacturing (AM), 3D printing, prototype, laser sintering

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