

Additive Manufacturing: Myths - Trends - Hits

Since its emergence in the 1980s, additive manufacturing (AM) has continuously pushed the boundaries of what is possible, particularly in the development and production of complex products that would be very difficult, or even impossible, to produce using traditional manufacturing technologies. Further development and improvement of additive manufacturing processes, materials for additive manufacturing, computer support for additive manufacturing, as well as the increasingly intensive application of artificial intelligence in the field of additive manufacturing open up new worlds of possibilities for the application of additive manufacturing to create new and improved products – from mechanical engineering, toolmaking, the construction industry, through the food industry, the transport sector, to medical applications. The lecture covers current trends in the application of additive manufacturing in these sectors, as well as a review of the potential for the future development of additive manufacturing.



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