

Advanced Materials in Additive Manufacturing

*IDTechEx's introduction for **Harnessing the Power of Additive Manufacturing in Advanced Materials** at the Advanced Materials Show UK 2022 in Birmingham, UK*

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- Resins, filaments, inks, powders, wires – additive manufacturing (AM) is awash with different materials in diverse feedstock forms, expanding far beyond the PLA filament classically associated with 3D printing. The sources of these materials have expanded as well; while AM material development used to be the exclusive domain of manufacturers of 3D printers, specialty AM materials companies and established materials suppliers are rapidly becoming prominent contributors.
- The rapid changes and development in the AM materials market to-date has been driven by the need to access more customers through more functional materials. Looking forward, IDTechEx forecasts that revenue for 3D printing materials will peak at \$29.5 billion within the decade. Within this period, 3D printing material sales will become the dominant revenue stream for the overall industry far eclipsing revenue from printer sales, thus demonstrating the importance of studying AM material trends.
- **Within this market, what place do advanced materials have?** It is essential for the portfolio of additive manufacturing materials to expand for the market to continue reaching new markets. Engineers will require a diverse toolkit of materials to tackle different applications and challenges, especially more functional and higher value materials to match AM's usage in more demanding applications. **In this talk, IDTechEx explored the micro-trends in different material classes, especially advanced materials, driving the AM materials market forward.**



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