

3D Screen Printing of Metal Powder

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Abstract

3D screen printing technology utilizes the basics of conventional screen-printing technology but provides an upgrade to the 3rd dimension. With specially developed paste systems, various powders can be printed into unique, complex-shaped parts with tolerances, surface qualities and aspect ratios that are challenging for other Additive Manufacturing methods. To show the potential of this technology, examples of printed tungsten heavy alloy parts highlight the various possibilities and advantages as well as the limitations of the technology.