
Description: The author was the first industry analysis firm to publish a report on the market opportunities emerging from additively manufactured titanium. In this story, we bring the story up to date with a full analysis on the markets for of AM utilizing metal powders and other titanium feedstocks in modern commercial additive manufacturing systems.

The believe that titanium printing is becoming the largest opportunity for metal additive manufacturing materials, with revenues exceeding all other alloy groups used in metal AM over the next ten-year period. Sought after primarily for its high strength to weight ratio, biological inertness, and other desirable properties when combined with additive layer manufacturing, titanium alloys are burgeoning in the medical, aerospace, automotive, dental, and consumer products industries.

With GE purchasing a controlling share in one of the largest titanium additive manufacturing companies in the world, and thus gaining a significant stake in the supply chain for titanium powders used in additive manufacturing systems, the titanium supply chain has been thrust into short term uncertainty. The market is responding to significantly increased demand for high quality, traceable, and exceptionally pure titanium materials for additive manufacturing, with a number of new market entrants having taken place in 2016 and more planned for 2017. Capacity expansions at existing leaders in the titanium powder supply chain are underway, thus creating a chaotic future scenario with potentially over a billion dollars on the line in the future.

As a specialty study in a specific material, this report presents our latest -- and highly granular -- market forecast data as well as critical market analysis for use of titanium in key industries adopting AM, as well as considerations for the future adoption and use in other applications. The primary opportunity factors related to the broader supply chain, primary providers of AM titanium powder and other forms, and analysis of the print technologies and powder production processes all combine to help business development and strategy professionals determine how to focus their efforts in titanium powder, parts, and print technologies.

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