

## **Metallurgy Additive Manufacturing for Aerospace -- Markets Reach \$20.9 Billion By 2024**

LEXINGTON, Massachusetts (November 10, 2017) – WinterGreen Research announces that it has published a new study Metallurgy Additive Manufacturing for Aerospace: Market Shares, Strategy, and Forecasts, Worldwide, 2017 to 2023. The 2017 study has 224 pages, 99 tables and figures. Worldwide markets are poised to achieve continuing growth as the metallurgy additive manufacturing for aerospace decreases the cost of manufacture and increases efficiency in process. Lowering product manufacturing costs is a key benefit.

Additive manufacturing presents the opportunity to completely , rethink a product’s design, transforming its functionality and reducing manufacturing complexity. This is a disruptive technology that is transformational. Aerospace companies and government programs are focusing on the advance of metal 3D printing for aerospace engine applications in 2017. Advances have been able to make commercial additive manufacturing a reality.

Aerospace and defense customers leverage 3D systems industry-leading solutions and expertise. Vendors seek to deliver productivity in increasing speed and reliability of quality assurance and validation processes, lowering fuel costs through light weighting and parts consolidation, and increasing manufacturing productivity through innovative 3D printed casting patterns, 3D data recovery, injection-mold design, and direct metal printing of airworthy parts.

According to Susan Eustis, lead author of the team that wrote the study, “Metal 3D printing is at its beginning stages. It is poised to grow to new levels in the aerospace industry and beyond. A key advantage of 3D printing is that it removes constraints found with traditional manufacturing, reducing cycle time and production costs. Manufacturing companies in various industries use FDM Technology and realize benefits.”



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-Page 1-

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The global market for metallic additive manufacturing for aerospace at \$1.9 billion in 2016, \$2.2 billion in 2017 is forecast to reach \$20.9 billion by 2024. Market growth comes from the economies of scale achieved by building metal parts in layers instead of using cutting. Coherent designs make a difference, fostering market growth. The metal parts are structural, making metal additive manufacturing a core business.

WinterGreen Research is an independent research organization funded by the sale of market research studies all over the world and by the implementation of ROI models that are used to calculate the total cost of ownership of equipment, services, and software. The company has 35 distributors worldwide, including Global Information Info Shop, Market Research.com, Research and Markets, electronics.ca, Bloomberg, and Thompson Financial.

WinterGreen Research is positioned to help customers facing challenges that define the modern enterprises. The increasingly global nature of science, technology and engineering is a reflection of the implementation of the globally integrated enterprise. Customers trust wintergreen research to work alongside them to ensure the success of the participation in a particular market segment.

WinterGreen Research supports various market segment programs; provides trusted technical services to the marketing departments. It carries out accurate market share and forecast analysis services for a range of commercial and government customers globally. These are all vital market research support solutions requiring trust and integrity.

Key Words: Metallurgy Additive Manufacturing, Additive Manufacturing for Aerospace Lowering the Total Cost of Manufacturing 3D Printing AM Revolution Fabricated metal Modeling processes Powder metallurgy Wire metallurgy Additive Manufacturing Infrastructure Additive Aerospace Metal AM Metallurgy Additive Manufacturing Tooling Metals and alloys Nanoparticles Theory and Computational Mechanical Properties .



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-Page 2-

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