



DOWNLOAD



Nist Technical Note 1801: Lessons Learned in Establishing the Nist Medal Additive Manufacturing Laboratory

By U S Department of Commerce

Createspace, United States, 2014. Paperback. Book Condition: New. 279 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****.Additive manufacturing (AM) - also known as direct manufacturing, freeform fabrication, layered manufacturing, and three-dimensional (3D) printing - is defined as the process of joining materials to make objects from 3D model data, usually layer upon layer, as opposed to subtractive manufacturing methodologies such as machining [1]. AM has matured from initial applications in rapid prototyping, where the resulting part was used for form, fit, and/or functional testing, to the making of functional components. AM processes demonstrate significant potential for a revolutionary, rapid, art-to-part capability for making high-value, complex, and individually-customized parts. Additive processes promise the ability to manufacture parts that are difficult or impossible to make with conventional manufacturing techniques, including parts with complex geometries, internal features, engineered porosity, or lattice structures. Companies from a wide variety of industries currently use AM for product development and fabrication, ranging from aerospace parts to biomedical implants to consumer products to maintenance and repair of legacy systems. Broader adoption of AM processes by U.S. manufacturers, however, is currently hindered by deficiencies in part accuracy, surface finish, available materials and material...



READ ONLINE
[4.28 MB]

Reviews

This ebook may be worth purchasing. it absolutely was writtern extremely completely and useful. You will not truly feel monotony at whenever you want of your respective time (that's what catalogs are for relating to when you ask me).

-- **Idella Halvorson**

The ebook is fantastic and great. I really could comprehended every thing out of this published e publication. You can expect to like the way the blogger write this publication.

-- **Precious Farrell**