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ASTM International Technical Committee F42 on Additive Manufacturing Technologies

Scope

The promotion of knowledge, stimulation of research and implementation of technology through the development of standards for additive manufacturing technologies. The work of this Committee will be coordinated with other ASTM technical committees and other national and international organizations having mutual or related interests.

Technical Subcommittees

- F42.01 Test Methods
- F42.04 Design
- F42.05 Materials and Processes
- F42.06 Environment, Health, and Safety
- F42.90 Executive
- F42.91 Terminology
- F42.95 US TAG to ISO TC 261

Key Documents

- F2971 Standard Practice for Reporting Data for Test Specimens Prepared by Additive Manufacturing
- F3122 Standard Guide for Evaluating Mechanical Properties of Metal Materials Made via Additive Manufacturing Processes
- ISO/ASTM 52915 Standard Specification for Additive Manufacturing File Format (AMF) Version 1.2
- ISO/ASTM 52910 Guide for Design for Additive Manufacturing
- ISO/ASTM 52901 Guide for Additive Manufacturing, General Principles, Requirements for Purchased AM Parts
- ISO/ASTM 52900 Standard Terminology for Additive Manufacturing – General Principles – Terminology
- F3049 Standard Guide for Characterizing Properties of Metal Powders Used for Additive Manufacturing Processes
- F3091/F3091M Standard Specification for Powder Bed Fusion of Plastic Materials
- F3187 Standard Guide for Directed Energy Deposition of Metals



Quick Facts

Established 2009

Number of Members 550+

Number of Standards 15

Global Participation

26 Countries represented

The standards are available in

Volume 10.04 in the *Annual Book of ASTM Standards*

Meetings F42 meets

independently in spring and fall, at locations within the US and abroad, respectively.

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Learn more about Committee F42

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