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Nota di contenuto	1. Introductory Chapter: Rapid Prototyping Trends and Opportunities 2. New Industrial Sustainable Growth: 3D and 4D Printing 3. Multiscale Modeling Framework for Defect Generation in Metal Powder Bed Fusion Process to Correlate Process Parameters and Structural Properties 4. Framework for Design and Additive Manufacturing of Specialised Multirotor UAV Parts 5. Internal Microchannel Manufacturing Using Stereolithographic 3D Printing.
Sommario/riassunto	Trends and Opportunities of Rapid Prototyping Technologies provides a comprehensive overview of rapid prototyping, also known as 3D printing. It discusses challenges in this domain, such as lack of standardization and certification, as well as the requirements coming from the industrial sector. The book examines existing 3D printing methods and materials as well as their applications, customizations, and process parameters.