

1. Record Nr.	UNINA9910688191403321
Titolo	Advanced Additive Manufacturing // edited by Igor V. Shishkovsky
Pubbl/distr/stampa	London, United Kingdom : , : IntechOpen, , 2022
Descrizione fisica	1 online resource (304 pages) : illustrations
Disciplina	621.988
Soggetti	Additive manufacturing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Additive manufacturing (AM) is now being used to produce series components for the most demanding applications. It is a disruptive, if not revolutionary, manufacturing technology. The biggest advantage of this technology is its capacity to make parts with any free form, thus paving the way for free and complex part design. Components and integrated structures with complex designs that would not have been possible just a few years ago can now be made according to various requirements. The net-shape manufacturing capacity of AM allows a considerable saving of materials, conventional thermomechanical processing, and machining processes, making it an environmentally friendly manufacturing technology. This book includes two sections that cover new approaches in AM for biomedical applications and advanced technological solutions.