

1. Record Nr.	UNINA9910568272803321
Titolo	Advances in Manufacturing III : Volume 5 - Biomedical Engineering: Research and Technology Innovations, Industry 4.0 // edited by Filip Gorski, Micha Rychlik, Rzvan Pcurar
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2022
ISBN	3-030-99769-3
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (191 pages)
Collana	Lecture Notes in Mechanical Engineering, , 2195-4364
Disciplina	670
Soggetti	Engineering design Biomedical engineering Mechanics, Applied Engineering Design Biomedical Devices and Instrumentation Engineering Mechanics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Sommario/riassunto	This book covers a variety of topics at the interface between biomedical engineering and manufacturing. Based on peer-review papers presented at the 7th International Scientific-Technical Conference MANUFACTURING 2022, held in Poznan, Poland on May 16-19, 2022, it focuses on cutting-edge issues relating to 3D printing of medical devices, including custom manufacturing of orthopedic aids, optimization of their manufacturing process, 3D and numerical models supporting prostheses development and surgical simulation, and discusses the applications of different quality control methods in the healthcare industry. This book offers a timely guide to engineers and other professionals dealing with production and testing of medical devices in the era of industry 4.0. .