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Titolo	Advances in Abrasive Based Machining and Finishing Processes / / edited by S. Das, G. Kibria, B. Doloi, B. Bhattacharyya
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Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (XVI, 271 p. 180 illus., 109 illus. in color.)
Collana	Materials Forming, Machining and Tribology, , 2195-0911
Disciplina	671.35
Soggetti	Manufactures Materials—Surfaces Thin films Electrochemistry Manufacturing, Machines, Tools, Processes Surfaces and Interfaces, Thin Films
Lingua di pubblicazione	Inglese
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Nota di contenuto	Introduction to Abrasive Based Machining and Finishing Processes -- An overview of abrasive jet cutting and drilling processes -- Technologies and advancement in abrasive water jet machining -- Advancement in Ultrasonic machining for 3D profile cutting Rotary ultrasonic machining - new strategy of cutting and finishing -- Abrasive assisted electrical discharge machining - Principle and advancement -- Abrasive assisted electrochemical machining with ultrasonic vibration -- Magnetic field assisted Finishing Processes -- Overview of Abrasive Flow Finishing to finish complex profiles CMP polishing - New strategy of finishing and its advances.
Sommario/riassunto	This book presents the advances in abrasive based machining and finishing in broad sense. Specifically, the book covers the novel machining and finishing strategies implemented in various advanced machining processes for improving machining accuracy and overall quality of the product. This book presents the capability of advanced machining processes using abrasive grain. It also covers ways for enhancing the production rate as well as quality. It fulfills the gap

between the production of any complicated components and successful machining with abrasive particles.