

1. Record Nr.	UNINA9910337632003321
Autore	Bhowmik Sumit
Titolo	Hybrid Micro-Machining Processes / / by Sumit Bhowmik, Divya Zindani
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-030-13039-8
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (VII, 70 p. 12 illus., 5 illus. in color.)
Collana	SpringerBriefs in Applied Sciences and Technology, , 2191-5318
Disciplina	670 671.35
Soggetti	Manufactures Microtechnology Microelectromechanical systems Machines, Tools, Processes Microsystems and MEMS
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Overview of Hybrid Micromachining Processes -- Laser Assisted Micromachining -- Magnetic Field-Assisted Micro-EDM -- Electrorheological Fluid-Assisted Micro-USM -- Other Assisted Hybrid Micromachining Processes -- Combined Variant of Hybrid Micromachining Processes.
Sommario/riassunto	This book presents some of the recent hybrid micro-machining processes used to manufacture miniaturized products with micro level precision. The current developed technologies to manufacture the micro dimensioned products while meeting the desired precision level are described within the text. The authors especially highlight research that focuses on the development of new micro machining platforms while integrating the different technologies to manufacture the micro components in a high throughput and cost effective manner.