

1. Record Nr.	UNINA9910437889603321
Titolo	Advanced analysis of nontraditional machining // Hong Hocheng, Hung-Yin Tsai, editors
Pubbl/distr/stampa	New York, : Springer, 2013
ISBN	1-283-93357-8 1-4614-4054-8
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (505 p.)
Altri autori (Persone)	HochengHong TsaiHung-Yin
Disciplina	671.3/5 671.35
Soggetti	Machining
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Laser Machining and Its Associated Effects -- Electrical Discharge Machining -- Electrochemical Machining -- Chemical Mechanical Polishing -- Ultrasonic Machining -- Water Jet Machining -- Micromachining by Photonic Beams -- Material Shaping by Ion and Electron Nanobeams.
Sommario/riassunto	Nontraditional machining utilizes thermal, chemical, electrical, mechanical and optical sources of energy to form and cut materials. Advanced Analysis of Nontraditional Machining explains in-depth how each of these advanced machining processes work, their machining system components, and process variables and industrial applications, thereby offering advanced knowledge and scientific insight. This book also documents the latest and frequently cited research results of a few key nonconventional machining processes for the most concerned topics in industrial applications, such as laser machining, electrical discharge machining, electropolishing of die and mold, and wafer processing for integrated circuit manufacturing. This book also: Fills the gap of the advanced knowledge of nonconventional machining between industry and research Documents latest and frequently cited research of key nonconventional machining processes for the most sought after topics in industrial applications Demonstrates advanced

multidisciplinary and interdisciplinary machining processes Provides solutions to advanced and modern materials in mechatronic, optical, and 3C industries Features nearly 400 illustrations Advanced Analysis of Nontraditional Machining is an ideal book professionals interested in the industrial applications of nontraditional machining. Advanced Analysis of Nontraditional Machining is an ideal book professionals interested in the industrial applications of nontraditional machining. .
