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Titolo	Sustainable Machining // edited by J. Paulo Davim
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ISBN	3-319-51961-1
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (X, 82 p. 44 illus.)
Collana	Materials Forming, Machining and Tribology, , 2195-0911
Disciplina	670
Soggetti	Manufactures Sustainable development Tribology Corrosion and anti-corrosives Coatings Manufacturing, Machines, Tools, Processes Sustainable Development Tribology, Corrosion and Coatings
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Ceramic cutting tools -- Chip recycling -- Cryogenic cooling -- Cutting energy -- Cutting fluids -- Cutting forces -- Environmentally friendly machining -- Minimal quantity of lubrication (MQL) -- Nanofluids -- Near dry machining -- Self-lubricating tools -- Tool life and wear.
Sommario/riassunto	This book provides an overview on current sustainable machining. Its chapters cover the concept in economic, social and environmental dimensions. It provides the reader with proper ways to handle several pollutants produced during the machining process. The book is useful on both undergraduate and postgraduate levels and it is of interest to all those working with manufacturing and machining technology.