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Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Machinability and Machining of Titanium Alloys: A Review -- Cutting Tool Materials and Tool Wear -- Mechanics of Titanium Machining -- Analysis of Physical Cutting Mechanisms and Their Effects on the Tool Wear and Chip Formation Process when Machining Aeronautical Titanium Alloys -- Green Machining of Ti-6Al-4V under Minimum Quality Lubrication (MQL) Condition -- Ultrasonic Assisted Machining of Titanium.
Sommario/riassunto	This book presents a collection of examples illustrating the resent research advances in the machining of titanium alloys. These materials have excellent strength and fracture toughness as well as low density and good corrosion resistance; however, machinability is still poor due to their low thermal conductivity and high chemical reactivity with cutting tool materials. This book presents solutions to enhance machinability in titanium-based alloys and serves as a useful reference to professionals and researchers in aerospace, automotive and biomedical fields.