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Sommario/riassunto	Superalloys provide the most reliable and cost-effective means of achieving high operating temperature and stress conditions in aircraft and industrial gas turbines and in a wide variety of other applications. This book covers virtually all technical aspects related to the selection, processing, use, and analysis of superalloys. The text of this new second edition has been completely revised and expanded with many new figures and tables added. In developing this new edition, the focus has been on providing comprehensive and practical coverage of superalloys technology. Some highlights include the most complete and up-to-date presentation available on alloy melting. Coverage of alloy selection provides many tips and guidelines that the reader can use in

identifying an appropriate alloy for a specific application. The relation of properties and microstructure is covered in more detail than in previous books. Contents: Superalloys for High Temperatures: A Primer Selection of Superalloys Understanding Superalloy Metallurgy Melting and Conversion Investment Casting Forging and Forming Powder Metallurgy Processing Heat Treating Joining Technology and Practice Machining Cleaning and Finishing Structure/Property Relationships Corrosion and Protection of Superalloys Failure and Refurbishment Superalloys: Retrospect and Future Prospects Appendices Index.
