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Autore	Jiang Renyan
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Soggetti	Quality control Reliability Industrial safety Automotive engineering Production management Engineering design Manufactures Quality Control, Reliability, Safety and Risk Automotive Engineering Operations Management Engineering Design Manufacturing, Machines, Tools, Processes
Lingua di pubblicazione	Inglese
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Part I. Background materials -- Part II. Product Quality and Reliability in pre-manufacturing phase -- Part III. Product Quality and Reliability in manufacturing phase -- Part IV. Product Quality and Reliability in post-manufacturing phase.
Sommario/riassunto	This book presents the state-of-the-art in quality and reliability engineering from a product life cycle standpoint. Topics in reliability include reliability models, life data analysis and modeling, design for reliability and accelerated life testing, while topics in quality include design for quality, acceptance sampling and supplier selection, statistical process control, production tests such as screening and burn-in, warranty and maintenance. The book provides comprehensive

insights into two closely related subjects, and includes a wealth of examples and problems to enhance reader comprehension and link theory and practice. All numerical examples can be easily solved using Microsoft Excel. The book is intended for senior undergraduate and post-graduate students in related engineering and management programs such as mechanical engineering, manufacturing engineering, industrial engineering and engineering management programs, as well as for researchers and engineers in the quality and reliability fields. Dr. Renyan Jiang is a Professor at the School of Automotive and Mechanical Engineering, Changsha University of Science and Technology, China.
