1. Record Nr. UNINA9911020143403321 Autore Kang Chang W (Chang Wok), <1957-> Titolo Basic statistical tools for improving quality / / Chang W. Kang, Paul H. Kvam Pubbl/distr/stampa Hoboken, N.J., : Wiley, 2011 **ISBN** 9786613905277 9781283592826 1283592827 9781118491751 1118491750 9781118491492 1118491491 9781118491515 1118491513 Descrizione fisica 1 online resource (264 p.) Classificazione TEC032000 Altri autori (Persone) KvamPaul H. <1962-> Disciplina 658.5/62 Soggetti Process control - Statistical methods Quality control - Statistical methods Acceptance sampling Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Includes bibliographical references (p. 212-213) and index. Nota di bibliografia Nota di contenuto Basic Statistical Tools for Improving Quality; CONTENTS; Preface; 1 The Importance of Quality Improvement; 1.1 Introduction; 1.2 What Is Statistical Process Control?: 1.3 The Birth of Quality Control: 1.4 What Is a Process?: 1.5 Examples of Processes from Daily Life: 1.6 Implementing the Tools and Techniques; 1.7 Continuous Process Improvement; 1.8 The Goal of Statistical Process Control; 1.9 The Eight Dimensions of Quality for Manufacturing & Service; 1.10 The Cost of (Poor) Quality; 1.11 What Did We Learn?; 1.12 Test Your Knowledge; 2

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Sommario/riassunto

"This book is an introductory book on improving the quality of a process or a system, primarily through the technique of statistical process control (SPC). There are numerous technical manuals available for SPC, but this book differs in two ways: (1) the basic tools of SPC are introduced in a no-nonsense, simple, non-math manner, and (2) the methods can be learned and practiced in an uncomplicated fashion using free software (eZ SPC 2.0), which is available to all readers online as a downloadable product. The book explains QC7 Tools, control charts, and statistical analysis including basic design of experiments. Theoretical explanations of the analytical methods are avoided; instead, results are interpreted through the use of the software"--