

Applied Statistical Quality Control and Improvement



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Reviews

The best book i at any time read. I am quite late in start reading this one, but better then never. I realized this publication from my dad and i advised this book to understand.
(Raina Simonis)

APPLIED STATISTICAL QUALITY CONTROL AND IMPROVEMENT



Prentice-Hall of India Pvt.Ltd. Paperback. Book Condition: new. BRAND NEW, Applied Statistical Quality Control and Improvement, K. Krishnaiah, Primarily intended for the undergraduate students of industrial, production, mechanical and manufacturing engineering, and postgraduate students of industrial, quality engineering and management, and industrial engineering and management, this book fills the gap between the theory and practice of quality control and quality improvement. Principles and concepts are presented clearly and logically with necessary numerical illustrations to reinforce the understanding of the subject matter. The book is organised in two parts. Part I deals with statistical quality control. It starts with the fundamentals of statistics and quality followed by a discussion of statistical process control, and gauge capability studies with an emphasis on their practical application. It also offers detailed discussion of the various types of control charts used to monitor and control quality of processes and products, and includes acceptance sampling inspection procedures and standard sampling systems. Part II deals with quality improvement techniques and methods. It is a data driven approach that discusses the application of design of experiments and Taguchi Methods for improving quality of processes and products. A comprehensive discussion on total quality management is also presented. Key features: Provides a well structured procedure for the application of all tools and techniques. Includes Shainin DOE tools widely used in six sigma projects. Demonstrates the application of quality improvement techniques with real life case studies.



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