
Description:
A systemic approach to continuous process improvement

Process improvement is rapidly becoming one of the most significant factors in achieving organizational success. Nearly every aspect of an organization can gain from process improvement and innovation leadership and management, visioning and planning, research and development, marketing and sales, manufacturing and distribution. Emphasizing manufacturing process improvement but covering the human side as well, Process Improvement in the Electronics Industry, Second Edition describes a systemic approach to continuous process improvement.

This book is based on the authors' experience in development and implementation of a comprehensive system of continuous process improvement and innovation at AMD. The Second Edition adds valuable new insights and information on developments since the publication of the highly successful previous edition. Written to serve equally well as a comprehensive guide for engineers and technicians in process management, and as a reference for managers in industry and graduate students, the book explains how to develop and implement systems for continuous process improvement in all areas of an organization, including:

- The concepts of process improvement, process management, and systems thinking
- Probability and statistics basics
- How to control, measure, and report on high-quality processes
- Zero defects and the six sigma methodology
- On-line and off-line design of experiments
- Managing sampling systems in a low ppm environment

Including numerous case studies and suggestions for implementing a process control program based on the actual experiences of manufacturers and suppliers, Process Improvement in the Electronics Industry, Second Edition remains a compellingly useful reference for anyone charged with or interested in achieving greater efficiency in industry, manufacturing, leadership, and other areas.

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