

Optimization in Quality Control

presents a broad survey of the state of the art in optimization in quality, and focuses on industrial and national competitiveness. Each chapter has been carefully developed and refereed anonymously by experts in the area of optimization in quality control. Some of the topics covered in this volume include:

- fundamentals of optimization techniques
- contemporary approaches to optimization models in process control
- economic design of control charts
- determining optimal target values in multiple criteria economic selection models
- examining quality improvement schemes by trading off between expected warranty servicing costs and increasing manufacturing costs
- designing optimal inspection plans.

This book will serve as an important reference source for academics, professionals and researchers.

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edited by
Khaled S. Al-Sultan
M.A. Rahim

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