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# Guide To Quality Control (Industrial Engineering & Technology)



## **Synopsis**

This classic, hands-on guide, written by one of the most widely respected masters of quality, teaches the fundamental tools of quality, including: Data collection Control charts Histograms Scatter diagrams Cause-and-effect diagrams Probability Check sheets Sampling Pareto diagrams Graphs This best-selling text has been used extensively by schools and major U.S. companies for training students, supervisors, and line personnel. Simply written and self-teaching, it encourages workers to seek out applications of the tools in their work. Includes practice problems.

## **Book Information**

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## **Customer Reviews**

Covers how to create and use the 7 basic tools of SPC: histograms, cause-and-effect "fishbone" diagrams, check sheets, Pareto diagrams, run charts, control charts, and scatter plots. Simple, clear language with excellent examples. Every business manager should keep this book at her desk for quick reference; anyone involved in production processes or quality control should read it cover to cover and know it by heart.

The author, Kaoru Ishikawa, having one of the tools named after him, the Ishikawa (fishbone) diagram, should provide a bit of insight into the knowledge contained in this book. If you are interested in learning how to use the seven tools mentioned in TQM and Six Sigma I would highly

suggest this book. Much of the software available today will do the math for you but this book will give you an understanding of the theory behind each tool, when to use, how to interpret the results, what to watch out for. Many books on Six Sigma and Quality mention these tools but this book gives you the information to allow you to use them.

It is amazing that this book has so many revisions and yet has so many typos and unclear sections in the translation. Luckily for a class textbook it is very cheap. I really don't feel like I learned much from this book; the introduction states it is to be written for anyone in the Toyota company to be able to understand, even factory workers. Because of this your hand is held throughout the entire book. The book largely covers basic statistics, but instead of explaining the statistics behind what you are doing you are simply told how to do it step by step. The format of the book is also odd, with each chapter having one worked example at the end of the book. The book presents these examples as problems, but it is impossible to work them out yourself as information is withheld until the example along with many unnecessary steps to complete the problems.

Though a seasoned item already (published in late 1980's), this is still the gold standard read for any quality professional. Includes plenty of examples and uses clear language so that those new to the quality profession can understand.

That book is for beginners only! it's about fundamental topics like: Data collection Control charts Histograms Scatter diagrams Cause-and-effect diagrams Probability Check sheets Sampling Pareto diagrams Graphs

One of the classics of Quality Control - the amazing book written for teaching Japanese Quality Circles. No Quality professional should be without this book.

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