



Maynard's Industrial Engineering Handbook

By Kjell Zandin, Harold Maynard

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Brought fully up to date by expert Kjell Zandin, Maynard's Industrial Engineering Handbook, Fifth Edition puts exhaustive application-driven coverage of industry principles and practices, materials and systems, at your fingertips. Covering everything from work measurement and material flow, to facilities and quality control, this unparalleled reference is nothing less than the most in-depth, hands-on IE reference available. Designed for industrial engineers who are challenged to do more, in more arenas, this new edition introduces you to both traditional and the latest, most efficient, and cost-effective IE methods and technologies. In 133 solution-packed chapters--90 percent completely new--from 176 expert contributors worldwide, you can explore the Kazien approach to methods engineering, design for assembly, statistical quality control, lean manufacturing, agile production, demand flow technology, and much, much more. You'll be brought up to speed on breakthroughs in information technology, computer simulation, sensors and controls, economic analyses, robotics, planning, management, organization, and more. 24 case studies illuminate real-life applications, from company turnarounds using IE techniques to neural network applications and implementing a paperless warehouse management system.

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Editorial Review

From the Back Cover

THE CLASSIC REFERENCE, COMPLETELY UPDATED TO COVER THE LATEST IE ISSUES AND CHALLENGES The most complete, practical working guide to the principles, methods, materials, and systems of industrial engineering available. The Fifth Edition of Maynard's is a bold new reference for a vibrant profession. Designed for industrial engineers who are challenged to do more, in more arenas, this new edition of an industry pillar gives you:

- *Focus on practical applications of new methods and technologies
- *Succinct articles and summaries with superb indexing that yield the information you want quickly
- *Inclusive coverage of everything from the evolution of industrial engineering to useful developments in CAD/CAM, with the emphasis on productivity
- *More than 20 full-scale case studies with detailed closeups of real-world application successes

THE NEWEST, MOST EFFICIENT, AND COST-EFFECTIVE METHODS AND TECHNOLOGIES

- *133 solution-packed chapters--90 percent completely new--from 176 expert contributors from the United States, Canada, Europe, Central America, and Asia
- *Comprehensive, applications-oriented coverage of traditional and up-to-date IE topics
- *Tested, cost-cutting breakthroughs in information technology, computer simulation, statistical quality control, sensors and controls, economic analyses, robotics, planning, management, organization, and more

ON-THE-JOB CASE STUDIES

- *Company Turnaround Using IE Techniques
- *Improving Response to Consumer Demand
- *Implementing an ABC Program
- *Modern Labor Relations
- *Relocation and Consolidation of Plant Operations
- *An Effective Production System for the Auto Industry
- *Developing Engineering Labor Standards in a Distribution Center
- *Neural Network Applications
- *Implementing a Paperless Warehouse Management System
- *Total Productivity Management
- *Applying Learning Curves in Aircraft Production
- *And thirteen more

CUTTING-EDGE IE

- *Lean Manufacturing
- *Agile Production
- *Activity-Based Costing
- *JIT and Kanban Scheduling
- *Supply Chain Management
- *Kaizen Approach to Method Engineering
- *Demand Flow Technology
- *Group Technology and Team Issues

*Design for Assembly

*Role and Career of the Industrial Engineer

*Compensation Management

*And More

About the Author

Kjell B. Zandin is a senior vice president of H.B. Maynard & Company. He was the first recipient of the Technical Innovation in Industrial Engineering Award of the Institute of Industrial Engineers. Mr. Zandin was also awarded the Royal Charter Award of the Institution of Production Engineers in Great Britain. Creator of the MOST® Systems of work measurement, used worldwide, he has 35 years of consulting experience in industrial engineering. Mr. Zandin has been an owner and director of H.B. Maynard and Company for the past 20 years. The late Harold B. Maynard was the founder of the H.B. Maynard Company of Pittsburgh, Pennsylvania, and a major contributor to the advancement of the industrial engineering profession.

Users Review

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Helga Lever:

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