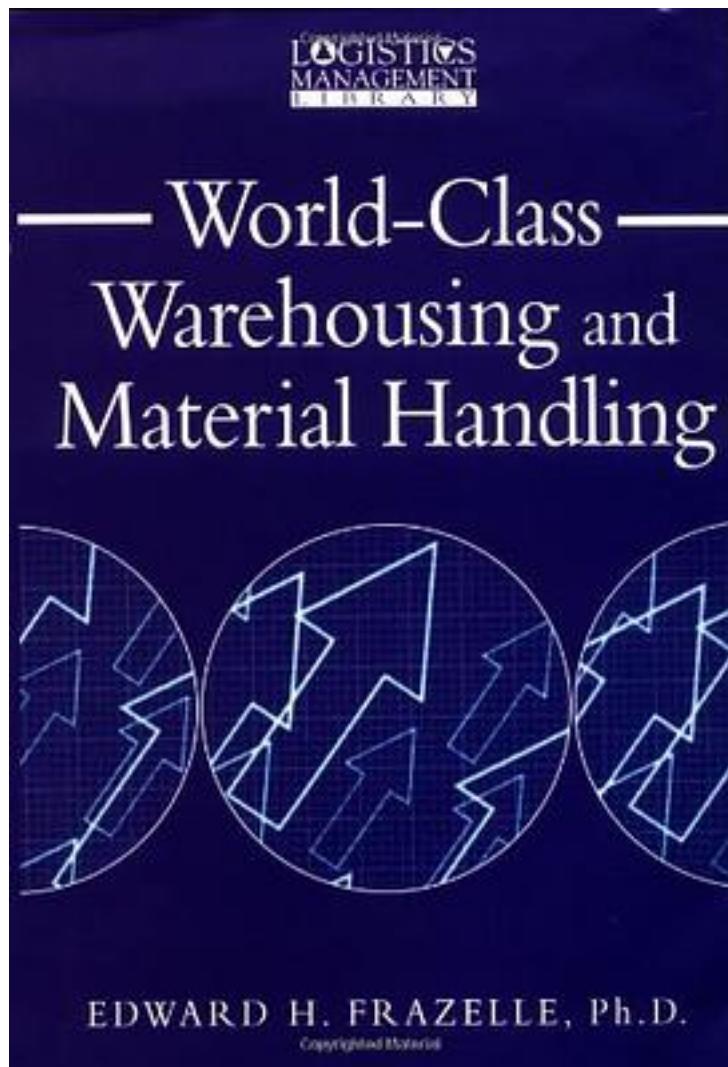


# World-class Warehousing and Material Handling



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出版者: McGraw-Hill Trade

出版时间: 2001-9

装帧: HRD

isbn: 9780071376006

This title presents timeless insights for planning and managing 21st-century warehouse operations. Despite today's just-in-time production mentality, with its efforts to eliminate warehouses and their inventory carrying costs, effective warehousing continues to play a critical bottom-line role for companies worldwide. "World-Class Warehousing and Material Handling" covers today's state-of-the-art tools, metrics, and methodologies for dramatically increasing the effectiveness, accuracy, and overall productivity of warehousing operations. Written by one of today's recognized logistics thought leaders, this comprehensive resource provides authoritative answers on such topics as: the seven principles of world-class warehousing; warehouse activity profiling; warehouse performance measures; warehouse automation and computerization; receiving and put away; storage and retrieval operations; picking and packing; and, humanizing warehouse operations. "World-Class Warehousing and Material Handling" describes the processes and systems required for meeting the changing demands of warehousing. Filled with practices from proven to innovative, it will help all logistics professionals improve the productivity, quality, and cycle time of their existing warehouse operations. Not too long ago, effective warehousing was a relatively straightforward progression of receiving, storing, and shipping. But in today's age of e-commerce, supply chain integration, globalization, and just-in-time methodology, warehousing has become more complex than at any time in the past - not to mention more costly. "World-Class Warehousing and Material Handling" breaks through the confusing array of warehouse technology, buzzwords, and third-party providers to describe the principles of warehousing required for the implementation of world-class warehousing operations. Holding up efficiency and accuracy as the keys to success in warehousing, it is the first widely published methodology for warehouse problem solving across all areas of the supply chain, providing an organized set of principles that can be used to streamline all types of warehousing operations. Case studies from Avon, Ford, Xerox, True Value Hardware, and others detail how today's most innovative logistics and supply chain managers are arriving at proven solutions to a wide variety of warehousing challenges. Topics discussed include: warehouse activity profiling - for identifying causes of information and material flow problems and pinpointing opportunities for improvement; warehouse performance measures - for monitoring, reporting, and benchmarking warehouse performance; storage and retrieval system selection - for improving storage density, handling productivity, and trade-offs in required capital investment; order picking strategies - for improving the productivity and accuracy of order fulfillment; and, computerizing warehousing operations - for profiling activity, monitoring performance, and simplifying operations. "World-Class Warehousing and Material Handling" integrates global and e-commerce issues as it addresses customization, information technology, performance analysis, expansion and contraction planning, and the overall role of the warehouse in logistics management and the supply chain. Filled with proven operational solutions, it will guide managers as they develop a warehouse master plan, one designed to minimize the effects of supply chain inefficiencies as it improves logistics accuracy and inventory management - and reduces overall warehousing expense.

## 作者介绍:

Dr. Frazelle is President and CEO of Logistics Resources International and founding director of The Logistics Institute at Georgia Tech. Logistics Resources International is a supply chain consulting firm with offices in Atlanta, Georgia; Tokyo, Japan; and San Jose, Costa Rica. The Logistics Institute at Georgia Tech is the world's largest center for supply chain logistics education and research. As an educator, Dr. Frazelle has trained more than 50,000 professionals in the principles of world-class logistics; as a

consultant he has assisted more than 100 corporations and government agencies in North America, South America, Europe, Asia and Africa in their pursuit of world-class supply chains; as an author he has authored, co-authored, and/or contributed to seven books and over twenty articles on logistics including Supply Chain Strategy (McGraw-Hill), World-Class Warehousing (McGraw-Hill), Facilities Planning (John Wiley), and The Language of Logistics; and as a professor he has lectured at Cornell, Northwestern, the University of Wisconsin, Waseda University, Kyushu Institute of Technology, and the National University of Singapore. His books have been translated into five languages including Japanese, Chinese, Korean, Spanish, and Portuguese.

Dr. Frazelle is also the inventor of RightChain™, a model, methodology, and toolkit guiding the supply chains in many of the world's largest corporations including Honda, Disney, BP, Hallmark, Nutrisystem, and United Technologies to name a few. RightChain™ projects have accounted for more than \$2 BILLION in EBIT increase for LRI clients.

Dr. Frazelle's achievements have been recognized by the Council of Supply Chain Management's Doctoral Research Grant, the Warehousing Education and Research Council's Burr Hupp Fellowship, the Material Handling Institute's MHEF Fellowship, the Institute of Industrial Engineer's Armstrong Award, Kodak's Educational Grant, and General Motors Scholar Award. He was recently named Georgia Tech's Outstanding Professional Educator. He is a former president of the International Material Management Society and member of the board of directors for the Warehousing Education & Research Council. Dr. Frazelle holds his Ph.D. from Georgia Tech and masters and bachelors of science degrees from North Carolina State University.

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1

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