



## Handbook of Stochastic Models and Analysis of Manufacturing System Operations

By -

Springer. Hardcover. Condition: New. 373 pages. Dimensions: 9.2in. x 6.2in. x 1.1in. This handbook surveys important stochastic problems and models in manufacturing system operations and their stochastic analysis. Using analytical models to design and control manufacturing systems and their operations entail critical stochastic performance analysis as well as integrated optimization models of these systems. Topics deal with the areas of facilities planning, transportation, and material handling systems, logistics and supply chain management, and integrated productivity and quality models covering: Stochastic modeling and analysis of manufacturing systems Design, analysis, and optimization of manufacturing systems Facilities planning, transportation, and material handling systems analysis Production planning, scheduling systems, management, and control Analytical approaches to logistics and supply chain management Integrated productivity and quality models, and their analysis Literature surveys of issues relevant in manufacturing systems Case studies of manufacturing system operations and analysis Today's manufacturing system operations are becoming increasingly complex. Advanced knowledge of best practices for treating these problems is not always well known. The purpose of the book is to create a foundation for the development of stochastic models and their analysis in manufacturing system operations. Given the handbook nature of the volume, introducing basic principles, concepts, and algorithms for treating these problems and their...



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