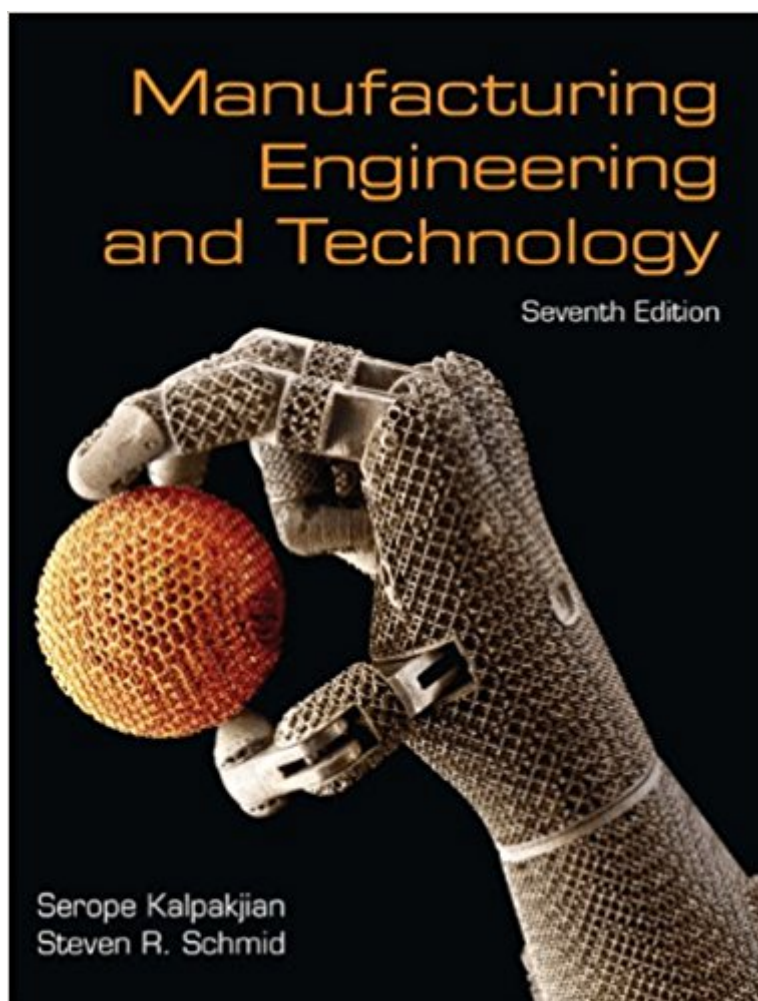




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Manufacturing Engineering & Technology (7th Edition)



Synopsis

For courses in manufacturing processes at two- or four-year schools. This text also serves as a valuable reference text for professionals. An up-to-date text that provides a solid background in manufacturing processes Manufacturing Engineering and Technology, 7/e , presents a mostly qualitative description of the science, technology, and practice of manufacturing. This includes detailed descriptions of manufacturing processes and the manufacturing enterprise that will help introduce students to important concepts. With a total of 120 examples and case studies, up-to-date and comprehensive coverage of all topics, and superior two-color graphics, this text provides a solid background for manufacturing students and serves as a valuable reference text for professionals.

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Customer Reviews

Serope Kalpakjian is a professor emeritus of mechanical and materials engineering at the Illinois Institute of Technology, Chicago. He is the author of *Mechanical Processing of Materials* (Van Nostrand, 1967) and co-author of *Lubricants and Lubrication in Metalworking Operations* (with E.S. Nachtman, Dekker, 1985). Both of the first editions of his books *Manufacturing Processes for Engineering Materials* (Addison-Wesley, 1984) and *Manufacturing Engineering and Technology* (Addison-Wesley, 1989) have received the M. Eugene Merchant Manufacturing Textbook Award of SME. He has conducted research in several areas in manufacturing processes; is the author of numerous technical papers and articles in professional journals, handbooks, and encyclopedias; and has edited several conference proceedings. He also has been editor and co-editor of various

technical journals and has served on the editorial board of Encyclopedia Americana. Å Å Professor Kalpakjian has received the Forging Industry Educational and Research Foundation Best Paper Award (1966), the Excellence in Teaching Award from the Illinois Institute of Technology (1970), the ASME Centennial Medallion (1980), the SME International Education Award (1989), a Person of the Millennium Award from IIT (1999), and the Albert Easton White Outstanding Teacher Award from ASM International (2000); the SME Outstanding Young Manufacturing Engineer Award for 2002 was named after him. Professor Kalpakjian is a life fellow of ASME, fellow of SME, fellow and life member of ASM International, fellow emeritus of The International Academy for Production Engineering (CIRP), and a past president and founding member of the North American Manufacturing Research Institution/SME. He is a high honors graduate of Robert College (Istanbul), Harvard University, and the Massachusetts Institute of Technology. Å Å Steven R. Schmid is an associate professor in the Department of Aerospace and Mechanical Engineering at the University of Notre Dame, where he teaches and conducts research in the general areas of manufacturing, machine design, and tribology. He received his bachelor's degree in mechanical engineering from the Illinois Institute of Technology (with Honors) and master's and Ph.D. degrees, both in mechanical engineering, from Northwestern University. He has received numerous awards, including the John T. Parsons Award from SME (2000), the Newkirk Award from ASME (2000), the Kaneb Center Teaching Award (2000 and 2003), and the Ruth and Joel Spira Award for Excellence in Teaching (2005). He is also the recipient of a National Science Foundation CAREERS Award (1996) and an ALCOA Foundation Award (1994). Å Å Professor Schmid is the author of over 100 technical papers, has co-authored Fundamentals of Machine Elements (McGraw-Hill), Fundamentals of Fluid Film Lubrication (Dekker), Manufacturing Processes for Engineering Materials (Prentice Hall), and has contributed two chapters to the CRC Handbook of Modern Tribology. He is a registered professional engineer, a certified manufacturing engineer of SME, a member of the North American Research Institution, and a fellow of the ASME. In 2012, he was named an ASME Foundation Swanson Fellow and served as Assistant Director for Research Partnerships at the Advanced Manufacturing National Program Office, National Institute for Science and Technology.

The book has typos and mistakes throughout. The tables, many of which are used in the chapter problems, are imprecise to the point of being almost useless. Indeed, some of the answers to the problems are incorrect. I had to use Wikipedia to figure out why some of the problems were not coming out and it turned out to be because the questions gave faulty information. This book sucks.

Find something else to use for your Engineering course. Pearson should be ashamed to publish this.

This book is not worth the money it costs. It hasn't been proofread from its last edition very well, still referring to old diagrams that aren't renumbered in their proper order. Also, most of the questions it asks for homework actually require that students get the answers online because they don't even address them in the book. Also, there are typos on several equations they report in the book. This can give the students confusion on which equation is actually correct and provides inconsistencies in the math the authors exhibit in their examples. Upon looking at some solutions in the solutions manual, it expects students to somehow know they are not incorporating friction when the book doesn't even specify to do so. Overall, it does not seem that this book was well thought out. It seems that it was just put out quick in order to have a new edition from which to make money. I would not recommend this as a textbook for any class.

The book was easy to follow and not boring, at least in my opinion. I will most likely be using it in the future for recalling information.

Good book. Very detailed. I get more out of reading the book than I do from the in-class lectures. My only complaint is that some of the homework problems are a little unclear as to what they are asking for.

This book has great videos with demonstrations about different processes. On the other hand, this book has many errors along the chapters. Some of the charts and tables in it are not accurate.

i used this book for MIT qualifying exams and it was a good overview. it covers quite a bit in terms of processes...and not very mathy. a few errors in there, but good reference overall.doesnt deal with lean manufacturing or six sigma type stuff really.this will break your back if you have to carry it around while studying (like i did).

Excellent Textbook for introductory course in manufacturingFull of details drawings, figures and videos. IS units are used in the book.

This book is very easy to read and understand. Perfect for anyone who wishes to learn about

Engineering.Highly recommended

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