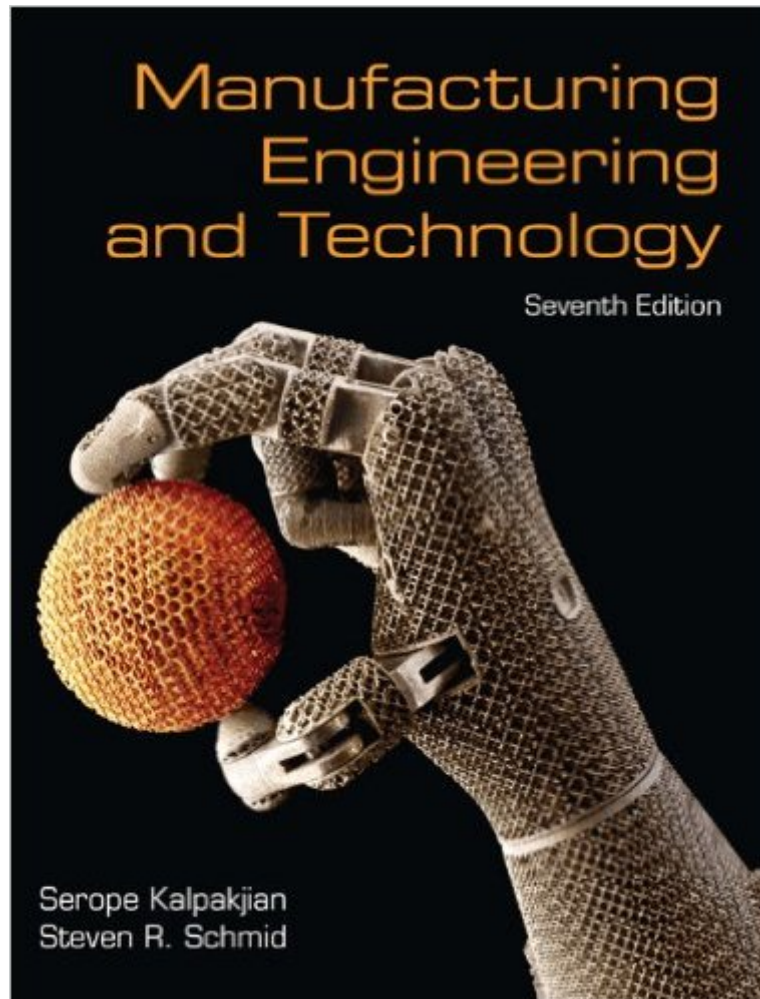


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# Manufacturing Engineering & Technology (7th Edition)



## 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.

## Book Information

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## Customer Reviews

This is one of 2 books that captures the essence of a manufacturing management (or industrial engineering) engineering undergraduate degree- the other being an operations management text from Ray Wild, Nigel Slack, or Laurie Mullins. To help get an idea of what being a manufacturing engineer involves, prospective students should envision a dose of intense team & individual industry-based change projects, and striving globally competitive companies to add "seasoning" to these books. The broad 'technology' contents are useful for industry veterans, consultants, and undergraduate students alike, as well as being a good starting point for researchers. Over 1000 pages of richly detailed and illustrated yet concise contents span: materials properties- metals, behaviour & testing, properties, alloys, production of steels, non-ferrous production, plastics,

ceramics, and composites.\* metal casting processes and equipment- fundamentals, processes, and design & economics.\*forming and shaping processes and equipment- rolling, forging, extrusion and drawing, sheet-metal forming, powder metallurgy, forming & shaping plastic & composites, forming & shaping ceramics & glass.\* material removal processes and machines- cutting, tolls & fluids, round-shape processes, various-shape processes, machine tools and economics, abrasive processes & operations, and non-traditional processes.\* joining processes and equipment- oxyfuel & arc & resistance welding, solid-state welding, metallurgy, brazing/soldering & mechanical joining processes.

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