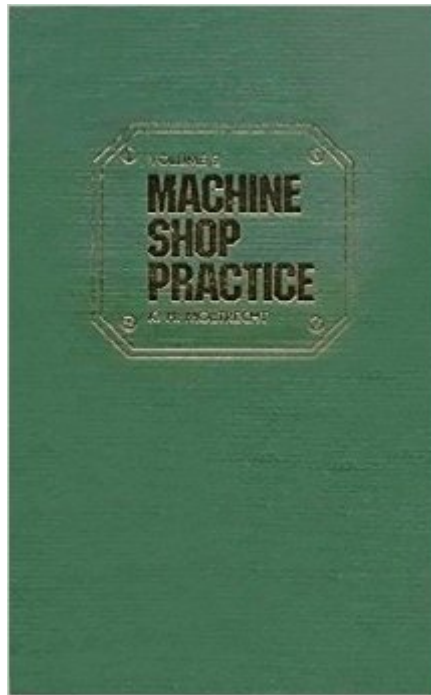


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# Machine Shop Practice, Vol. 2



## Synopsis

Everything the apprentice or on-the-job professional needs to know about the intelligent and efficient operation of machine tools is here. Includes over 760 illustrations and 70 tables in two volumes. Offers sections on numerical control; grinding wheels (that includes the newest abrasive materials); single point cutting tools and tool wear; basic drilling machine setups; and formulas for estimating the power required for planing. Provides detailed discussions on methods of setting up the workpiece on milling machines, horizontal boring machines, planers and shapers.

## Book Information

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## Customer Reviews

These two volumes tell me more than the other 7 or 8 books on machine shop that I have. Written very clearly and concisely, extremely easy to understand for the amount of information it puts out. Explains many of the details of machinshop and how to sharpen your own cutting tools, how to thread, many of the common types of shop machines and how to use them. This is the best shop book that I have read to date

These books are very thorough and cover grinding, lathe operation, drilling, milling, etc. However, you need to get both volumes. Volumes 1 and 2 are different books, not different version of the same book.

I purchased this book and the volume 2 as well. These books go into detail on most of the general purpose manual machines you are likely to encounter, as well as single point tool function and give quite a number of examples. It also gives a good number of charts on cutting speeds as well as correction factors for different depths of cut and feed rates. Gives k values for calculated horsepower required for a given cut. It covers the lathe, milling machine, shaper, planer, layout, surface grinder, cylindrical grinder, tool and cutter grinder and jig borer. As this is an older book, it doesn't cover CNC at all and has one chapter on CNCs predecessor, NC. This gives very good coverage of manual machining; I was especially interested in the shaper and planer chapters, as information on these machines is no longer available in modern texts.

Good book. I read Vol 1 and Vol 2. First volume covered lathe work. This volume covers shaping and milling. One of the few textbook level books on machine operation that is well written and doesn't get bogged down in safety discussions. Actually covers the subjects comprehensively. Good book for someone like a hobbyist that wants to learn more about the operation of manual machines.

My daddy always said 'if you're going to study a subject, make sure you understand it thoroughly before you begin.'. These books (vol. 1 & 2) are great - but, not for beginners. Get something simpler first.

This book gives thorough coverage to metal cutting, drilling and especially lathe operations, but I was very disappointed that the book doesn't cover milling at all since that's what I bought it for. It does cover some topics that are of interest to the milling machine operator such as layout techniques, some (but not enough) applicable work holding methods and the section on the jig borer is very useful. If you are looking for lathe information, you will love this book. If you want information on using a milling machine, you should really look elsewhere even though there are some topics of use.

This is just like volume 1, covering the planer, shaper, milling machine, gear cutting, dividing, etc. Makes a great reference work. If you are a beginner, this book will get you very far. Don't be intimidated, read it over as you progress.

With volume 1 this is a real standard, 2 reference books, whatever the age of the edition or pictures.

The detail how things are explained is outstanding. Even if an amateur is not able to acquire the big machines, he can learn a lot about the "real thing". Highly recommended!

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