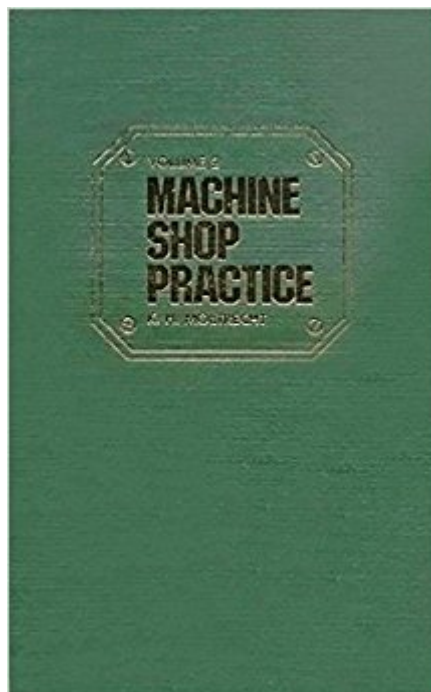


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# Machine Shop Practice, Vol. 1



## 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

Hardcover: 496 pages

Publisher: Industrial Press, Inc.; 2 edition (January 1, 1981)

Language: English

ISBN-10: 0831111267

ISBN-13: 978-0831111267

Product Dimensions: 6 x 1.3 x 9 inches

Shipping Weight: 1.9 pounds (View shipping rates and policies)

Average Customer Review: 4.2 out of 5 stars 22 customer reviews

Best Sellers Rank: #211,416 in Books (See Top 100 in Books) #16 in [Books > Engineering & Transportation > Engineering > Energy Production & Extraction > Drilling Procedures](#) #39 in [Books > Engineering & Transportation > Engineering > Materials & Material Science > Metallurgy](#) #77 in [Books > Engineering & Transportation > Engineering > Mechanical > Drafting & Mechanical Drawing](#)

## Customer Reviews

The impact of new technology has made necessary a second edition of this book. It has been thoroughly revised while still providing complete and detailed descriptions of all the basic machine shop skills and the related techniques. It is written for the beginner, as well as the more-advanced craftsman, technician, and manufacturing engineer.

Nice, well organized book. Machinery described is dated, but then all of the machinery in my home shop is older than I am, so this is not a problem.

Overall this is a very good book. This moderately experienced home shop machinist definitely learned from it. I have only read volume 1. The only gripe I have is that despite the copyright date

the text and especially the photos are very dated. More 50's and 60's than the 1981 copyright date. That's OK for the most part, but there is no discussion any modern machinery, I think DROs got about two paragraphs. This book is definitely more detailed than Machine Shop Trade Secrets or Machine Shop Essentials and a good addition if you already have these. If you're OK with not having a book on the latest machinery and technology this is a good reference.

Awesome book. I would recommend to anyone getting into machining and looking for more in-depth subject matter.

This is an excellent book. The engineering, materials, and physics information applicable to running common machining operations is covered. Formulas which explain how to choose what speed to run a tool at are covered. It has helped me correct problems I have had from running metal machining tools at the wrong speed. Be sure to buy both volumes.

The book's 1981 publication date doesn't indicate that this is really a post-WWII-era text. "Offers sections on numerical control; grinding wheels (that includes the newest abrasive materials)" is wildly optimistic, even from an 1980's perspective. If you're looking for a basic text on lathe operations, this is probably as good as any from the mid 1900s. It is certainly better than Audel's, for example, and on par with the 1950s texts that I inherited. If you're looking for a book that discusses current machine shop practice, I'd look elsewhere.

good ref book for the first timer, or occasional project person

This book is a "must have". It is a great memory jogging tool. It serves as a "30 years out of trade school" refresher. I particularly like the speeds and feeds section. I highly recommend this book to hobbyist and machinist alike. There's something for everyone!

Lots of photos and tables. Good reference.

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