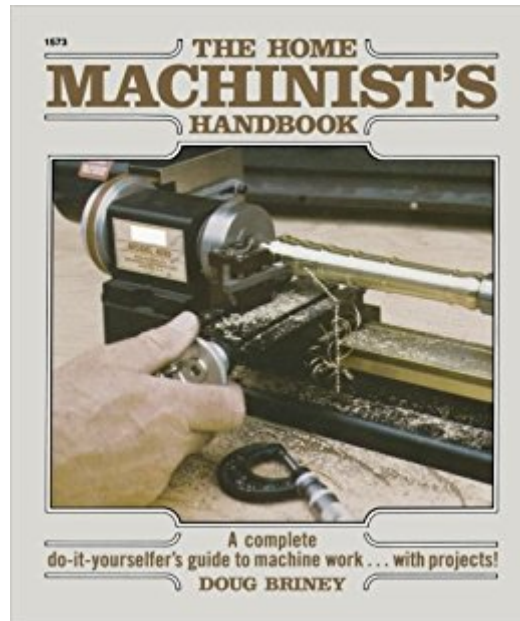




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# Home Machinists Handbook



## Synopsis

Here's everything the do-it-yourselfer needs to set up, and operate a handy-man's machine shop. Areas covered range from shop requirements and proper lighting to buying, using, and storing tools.

## Book Information

Paperback: 288 pages

Publisher: McGraw-Hill Education; 1 edition (February 1, 1984)

Language: English

ISBN-10: 0830615733

ISBN-13: 978-0830615735

Product Dimensions: 7.5 x 0.8 x 9.4 inches

Shipping Weight: 1 pounds (View shipping rates and policies)

Average Customer Review: 4.2 out of 5 stars 109 customer reviews

Best Sellers Rank: #101,208 in Books (See Top 100 in Books) #8 in [Books > Engineering & Transportation > Engineering > Aerospace > Aircraft Design & Construction](#) #14 in [Books > Engineering & Transportation > Engineering > Industrial, Manufacturing & Operational Systems > Industrial Technology](#) #49 in [Books > Crafts, Hobbies & Home > Home Improvement & Design > How-to & Home Improvements > Home Repair](#)

## Customer Reviews

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McGraw-Hill authors represent the leading experts in their fields and are dedicated to improving the lives, careers, and interests of readers worldwide

This book is meant for people with a min-lathe and mini-mill. The only thing missing from this book is information about quick-change tool posts for larger home mills. The book covers tool grinding, measurements, calipers, milling, turning, and threading. Lots of very useful information.

Having taken a 25 year "holiday" between my college machining classes to present day, I was thrilled to read this book from cover to cover. Yes, it is Sherline specific, but that said, it is a wonderful resource. The book covers most of the knowledge needed to make parts as a hobby machinist. Not only are all the tools covered, so is a lot of practical material science (mostly the

"how" without getting too bogged down with the "why"). I'll keep this book handy and use it as a quick reference for most things while shelving my old "Machinery's Handbook" for occasional (slower) use.

Very good. If you know some this is really good for info hungry people. Some really good tips and ideas.

Many years ago I took metal shop in high school and learned the rudiments of using a mill and lathe, etc. Now that I'm thinking of getting a mill and lathe for home hobby use I need both a refresher course and something to fill in the gaps. This book is serving nicely. In clear, straightforward language, with good illustrations, it lays out all the basic knowledge and techniques you need, then ends with a series of projects you can do to both practice all the basic machining techniques and end up with a useful set of accessories for your hobby mill and lathe. I believe that reading this book and doing the projects will prove to be a very efficient and effective way lay the foundation of knowledge and skills I'll need to use my new machines.

I had rudimentary training in machine shop work from when I was in grad school. I rather missed making machinery, so I bought a small Unimat-3 lathe. Great, I started grinding stuff out, and realized I forgot a lot of my important lessons, and didn't have Wayne-O the machinist scowling at me from the back of the room to remind me how to do things properly. This book sort of fulfills the role of a helpful pal who will remind you of how the machine shop works. It is a reminder of all the basic stuff, the advantage and disadvantages of various kinds of tools, and what all the parts are called. As others have noticed, it is oriented toward the Sherline. My lathe is actually smaller than the Sherline, and has different properties, but the book is still tremendously helpful in remembering stuff I forgot, and learning things nobody bothered telling me about. I particularly liked the little tooling projects; they all look doable and like they'll make my lathe more useful. This isn't a book for the experienced machinist. If you work on a Hardinge in your day job, this will be laughable even if you bought a Sherline to screw around with at home. Still, for rank amateurs, people returning to the craft after a long absence, or other inexperienced types it is a pretty handy thing to have.

This is an old school book, written by a skilled person. A bit dated in it's form perhaps, but as a manual for doing simple to elaborate metalwork by hand it's well worth the price. It covers a lot of topics, from reading prints to setting up and using milling machines. Great number of photographic

illustrations as well of decent quality. If you are a hobby modeller or need that special bracket for a car or boat project, then chances are this book might provide you with the necessary hints and tips concerning tools, materials and shaping them.

Home Machinists Handbook is a very good basic introduction to properly using hand tools, bench tools, lathes and milling machines, materials and material treatments. A chapter covers milling machine operation including clamping, distortion, accuracy, feed rates, finishes, etc. It's like an introductory machine shop class in a book. It goes into about as much detail as space allows, is succinct, and covers the most important issues competently. It is not intended to turn you into a master machinist overnight. It's a basic introduction, and a good one.

I bought this book based on its price and the reviews. It's a good book with a lot of useful information explained in clear, easy to follow terms. I'm a mechanical engineer who is just getting started as a home/hobby machinist and this book is great for someone with no knowledge of machine practices or even someone who already has some experience. I would even recommend this book to an engineering student, as it explains a lot of things like measurement, reading prints, heat treating and mechanical properties of materials in simple, understandable terms that aren't too heavy on theory. Overall, a very practical, useful, understandable, well-written book with cool projects you can make in your home (or school) machine shop!

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