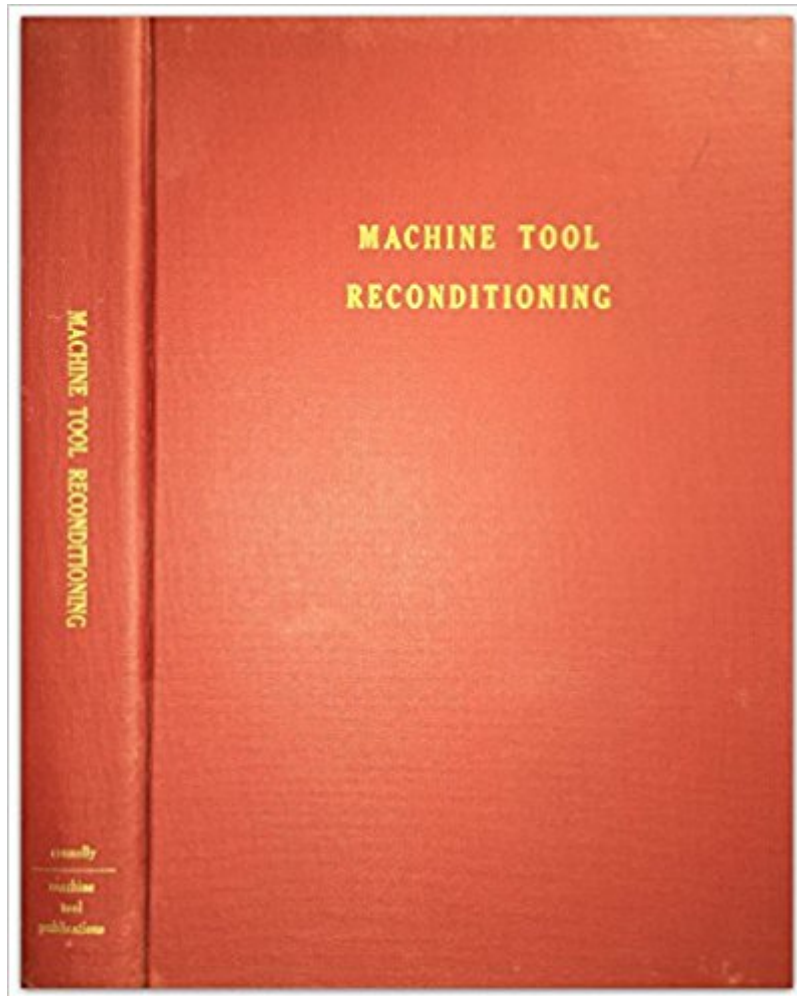




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Machine Tool Reconditioning: And Applications Of Hand Scraping



Synopsis

The purpose of this book is to supply a deficiency of long standing in the metal trades for a comprehensive exposition of the hand scraping art and its principal application, the reconditioning of machine tools. The author has attempted to set down in simple language, not only the basic principles and practices, but also the more advanced techniques utilized by skilled, experienced scrapers. The arrangement of this book has a two-fold purpose. First, to acquaint the novice with the basic scraping procedures and to teach the principals involved. Second, to apply this knowledge to the specific problems of machine tool reconditioning. In describing the methods employed in treating the various machine tools, a progressive, step-by-step procedure is followed. Starting with an outline of the components, each part is sub-divided into its constituent bearing surfaces. The OBJECTIVES required of each surface are established, and accompanied by a more or less detailed explanation of the recommended treatment. In other words, each part of the entire operation is given and presented in the logical order. It should answer the questions, "Where do I start?" and, "What next?" Where sound alternative procedures are possible, they are mentioned. This has been done, not to make the work encyclopedic in content, but to suggest the use of other apparatus equally appropriate. Each major operation, and many minor ones, are graphically illustrated by perspective and mechanical drawings. These show the physical set-ups and utilize the very minimum of standard equipment. Many of the diagrams show the permissible tolerances in connection with alignments. The subject matter has been arranged, as far as possible, to make it useful as a handbook for foremen and other supervisory personnel...

Book Information

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Customer Reviews

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comprehensive exposition of the hand scraping art and its principal application, the reconditioning of machine tools. The author has attempted to set down in simple language, not only the basic principles and practices, but also the more advanced techniques utilized by skilled, experienced scrapers. The arrangement of this book has a two-fold purpose. First, to acquaint the novice with the basic scraping procedures and to teach the principals involved. Second, to apply this knowledge to the specific problems of machine tool reconditioning. In describing the methods employed in treating the various machine tools, a progressive, step-by-step procedure is followed. Starting with an outline of the components, each part is sub-divided into its constituent bearing surfaces. The OBJECTIVES required of each surface are established, and accompanied by a more or less detailed explanation of the recommended treatment. In other words, each part of the entire operation is given and presented in the logical order. It should answer the questions, "Where do I start?" and, "What next?" Where sound alternative procedures are possible, they are mentioned. This has been done, not to make the work encyclopedic in content, but to suggest the use of other apparatus equally appropriate. Each major operation, and many minor ones, are graphically illustrated by perspective and mechanical drawings. These show the physical set-ups and utilize the very minimum of standard equipment. Many of the diagrams show the permissible tolerances in connection with alignments. The subject matter has been arranged, as far as possible, to make it useful as a handbook for foremen and other supervisory personnel...

Very straight forward technical reference.

The depth and detail of the information in this book is truly something else. Very good and interesting. I haven't had a chance to read the entire book but so far the section on scraping is very thorough, not only on how to scrape but also how to sharpen the scraper and even how to take care of the honing stone. There are some nice sections that contain curious info you won't find in other books, like how to make master parallels from scratch.

THE BEST BOOK ON MACHINE RECONDITIONING, VERY DETAILED.

This book is the standard that advised machine restoration and scraping professionals for years. I am using it as a guide for restoring a 1970's Taiwan mill and a 1957 Rockwell Lathe.

Incredibly detailed and thorough in all aspects of scraping, from technique through tools and of course details about the various bearing surfaces and their requirements. Incredible book.

THE authoritative text on refurbishing machine equipment. I've been reading articles for years that reference this book, so I decided to get a copy. This book covers the whole spectrum of refurbishment in a concise, readable and practical manner

A CLASSIC

Excellent book for the advanced machinist.

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