





CNC Programming Principles and Applications

By Mattson, Mike

Delmar Cengage Learning, 2001. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: COMPUTER NUMERCIAL CONTROL OF MACHINE TOOLS. Chapter 1: AUTOMATICALLY CONTROLLING THE MOVEMENTS OF A MACHINE TOOL. COMMON TYPES OF CNC MACHINE TOOLS. Milling Machines. Lathes. Grinders. SYSTEMS VIEW OF CNC. Control System. Dive System. Feedback System. The CNC System. A STANDARDIZED PROGRAMMING LANGUAGE. CHAPTER SUMMARY. CHAPTER QUESTIONS. Chapter 2: THE NC PROGRAMMING PROCESS. WRITING A NC PART PROGRAM. OFFLINE PROGRAMMING ON A DESKTOP PC. TESTING AND DEBUGGING. TRANSFERRING THE PROGRAM TO THE MACHINE TOOL. PROVING THE NC PROGRAM ON THE MACHINE TOOL. Steps in Program Proving. Testing Modes. The First Cut. Program and Setup Checklist. CNC SAFETY. CHAPTER SUMMARY. CHAPTER QUESTIONS. Chapter3: NC TOOLING AND MACHINING PROCESSES. CNC AND MANUFACTURING PROCESSES. THE BASIC MACHINING OPERATIONS. Milling. Turning. Drilling and Reaming. Boring. Tapping. CUTTING TOOLS. Cutting Tool Materials. Insert Identification. Exotic Tool Materials. Tool Coatings. CUTTING TOOLS FOR MILLING. End Mills. Insert-Tooth Cutting Tools. Spindle Style. Spindle Tooling. **CUTTING TOOLS FOR TURNING. OD Turning Tools. Boring** Bars. Tool Holding Methods for Turning. CUTTING TOOLS FOR HOLE-MAKING. Drills and Reamers. Boring Head. WORKHOLDING TOOLING. The Milling Vise. Clamping Devices. Fixturing. Workholding for the CNC Lathe. CHAPTER...

Reviews

I actually started looking over this publication. It really is rally interesting through studying period. Once you begin to read the book, it is extremely difficult to leave it before concluding.

-- Dana Hintz

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-- Elisa Reinger

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