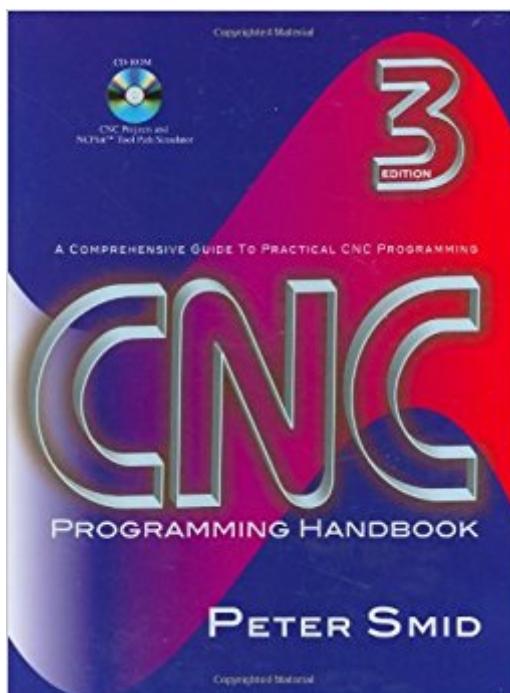


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# CNC Programming Handbook, Third Edition



## Synopsis

Over its first two editions, this best-selling book has become the de facto standard for training and reference material at all levels of CNC programming. Used in hundreds of educational institutions around the world as the primary text for CNC courses, and used daily by many in-field CNC programmers and machine operators, this book literally defines CNC programming. Written with careful attention to detail, there are no compromises. Many of the changes in this new Third Edition are the direct result of comments and suggestions received from many CNC professionals in the field. This extraordinarily comprehensive work continues to be packed with over one thousand illustrations, tables, formulas, tips, shortcuts, and practical examples. The enclosed CD-ROM now contains a fully functional 15-day shareware version of CNC tool path editor/simulator, NCPlot™. This powerful, easy-to-learn software includes an amazing array of features, many not found in competitive products. NCPlot offers an unmatched combination of simplicity of use and richness of features. Support for many advanced control options is standard, including a macro interpreter that simulates Fanuc and similar macro programs. The CD-ROM also offers many training exercises based on individual chapters, along with solutions and detailed explanations. Special programming and machining examples are provided as well, in form of complete machine files, useful as actual programming resources. Virtually all files use Adobe PDF format and are set to high resolution printing.

**FEATURES** Fully functional shareware version of CNC toolpath simulator/editor, NCPlot(TM), included on the CD-ROM. This powerful software includes an amazing array of features, including those not found in competitive products. Support for many advanced features is standard, and the included macro interpreter can simulate Fanuc and compatible macro toolpath programs. Detailed section on CNC lathes with live tooling, including examples. Image files of many actual parts, used as examples. More programming examples (both in printed text and on the CD-ROM) Optimized for the latest Fanuc and related control systems. Additional formulas, calculations and handy reference material. Fourth axis programming (indexing and rotary). CD-ROM based projects, including several as interactive PDF forms. Improved index for better search of topics.

## Book Information

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## Customer Reviews

I purchased this in New Condition. Very Nice Quality and a Very Informative book. Required for a couple Manufacturing Classes I'm taking. Usually a "Cheap" College Textbook is paperback and seems slapped together. This is a Hardback copy and the overall quality is amazing for the price. The only thing that bothers me is, as an analytical reader I catch quite a few spelling errors and I'm not but 5 chapters in. A lot more errors than I would anticipate out of a published text. However it's not a major deal, and the simplest minded person can easily tell what is being said. As always, has the best price and availability.

This read was so full of grammatical errors that I felt like a 3rd grade teacher in a basic English class. Really, every paragraph was grammatically atrocious. But the information was good.

I'm a beginner at cnc with a haas tm2 and struggled trying to teach myself and finally bit the bullet and ordered this text. It is very understandable and well written. Has already solved several issues I was struggling with, mainly g43 and how to reconcile tool and work offsets after reading the chapters on the subject the lite bulb went off and I had it, best buy lv made in regards to learning g code programming.

This is a very thorough textbook on the use of G code for the fabrication of machine parts on modern machining centers. Both lathes and milling machine systems are discussed. Good, in-depth coverage of drilling, threading, contouring, the underlying trigonometry and the calculation of feed rates, cutting speeds and tool offsets. Text information appears to be 7 to 10 years old and while valuable and well-presented, only the last chapter addresses the use of CAM (Computer Aided Manufacturing) software which is now a significant factor in programming machine tools. The book

includes a CD disk. A quality primer with under treatment of CAM software.

Machining and want to be great at programming this has it all, great examples. With over 20 years experience programming, this is a great reference book. Yes you can teach an old dog new tricks.

Gives a better understanding per code than the haas manual. Great for someone going from manual into cnc wanting to grasp the moves in program and alterations. However this product was shipped FedEx. So it spent half its trip within 5 miles of my house without coming to my house.

I have not finished this book but it is obvious that this is one book that everyone who wants to learn anything about CNC needs to read. It seems to me to be beyond thorough. My options were to buy and read this book or spend \$2,700 in tuition for a course and the junior college that is a half hour away.

Very detailed, well written, all the information you need and then some I can see this becoming a reference book after i finish my first read through it,

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