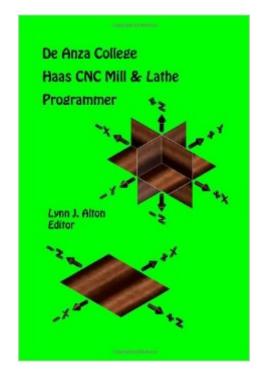
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# Haas CNC Mill & Lathe Programmer: De Anza College





### Synopsis

De Anza College Haas CNC Mill & Lathe Programmer Programmer Haas CNC Mill: Detailed Description of Haas CNC Mill, G & M Codes. Program Structure & Subroutines, Letter Address Codes. Circular Interpolation & Circular Planes. Cutter Compensation, Thread Milling, Engraving. Scaling Image, Mirroring Image, Rotating Image. Bolt Hole Commands, Canned Cycles. 4-Axis Programming With Subroutines, Cylindrical Mapping. 5-Axis Programming, 5-Axis G-Codes. 5-Axis Programming Notes, Possible Timing Problems. Simultaneous Rotation & Milling, Spiral Milling. Jogging The 4-Axis & 5-Axis, Crash Recovery Procedure. Haas CNC Lathe: Detailed Description of Haas CNC Lathe, G & M Codes. Program Structure & Subroutines, Letter Address Codes. Linear Interpolation & Circular Interpolation. Corner Rounding & Chamfering, Tapering Facing & Grooving, Roughing & Finishing. TNR Compensation & Tool Tip Orientation. Thread Cutting & Thread Cutting Charts. Live Tooling Programming.

### **Book Information**

Paperback: 392 pages Publisher: CreateSpace Independent Publishing Platform (August 26, 2010) Language: English ISBN-10: 1453773797 ISBN-13: 978-1453773796 Product Dimensions: 6 x 0.9 x 9 inches Shipping Weight: 1.5 pounds (View shipping rates and policies) Average Customer Review: 4.7 out of 5 stars Â See all reviews (6 customer reviews) Best Sellers Rank: #399,338 in Books (See Top 100 in Books) #222 in Books > Engineering & Transportation > Engineering > Industrial, Manufacturing & Operational Systems > Manufacturing

#### **Customer Reviews**

First I am a student taking CNC programing classes at a community college, and by no means to be considered an authority on the subject. It's a good one place reference but contains most material that is available from the manuals for HAAS, either found online for free or included with the machine. It does have some interesting "handouts" that I have not found elsewhere. Book has some type-o's that could lead to confusion. Example: G codes misidentified or not identified on a line that they should be on. A separate consideration is the print size. Take the standard 8.5 x11 copy sheet at a 12 point size and shrink this down to fit a 6 x 9. If you have bad eyes, this could be a problem. I, however, find it to detract from all the negative space around pictures and diagrams. I would

recommend buying this book as a consolidated reference, however I place its value below \$20. I would pay more if they would make it 8.5 x 11 and then I would transfer my notes and corrections of the HAAS manual's because they too have errors.

This book is a perfect at-home study guide. The operators manual that comes with the HAAS is a little more informative, but this programmers book is a little more cut and dry, it breaks its information down as to beginner to intermediate will pick up alot in a short amount of time. certainly pleased with it, and feel it would make a great reference guide to any skill level.

Had a lot of beginners info as well as some more advanced stuff for newer but experienced operators and students alike.

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