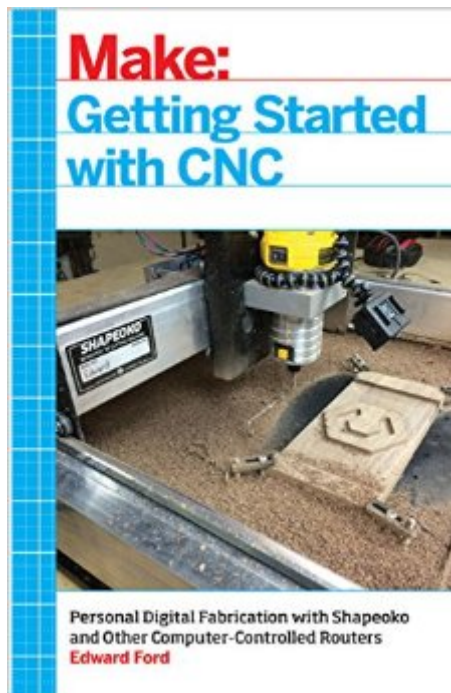


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# Getting Started With CNC: Personal Digital Fabrication With Shapeoko And Other Computer-Controlled Routers (Make)



## Synopsis

Getting Started with CNC is the definitive introduction to working with affordable desktop and benchtop CNCs, written by the creator of the popular open hardware CNC, the Shapeoko. Accessible 3D printing introduced the masses to computer-controlled additive fabrication. But the flip side of that is subtractive fabrication: instead of adding material to create a shape like a 3D printer does, a CNC starts with a solid piece of material and takes away from it. Although inexpensive 3D printers can make great things with plastic, a CNC can carve highly durable pieces out of a block of aluminum, wood, and other materials. This book covers the fundamentals of designing for--and working with--affordable (\$500-\$3000) CNCs.

## Book Information

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Average Customer Review: 3.8 out of 5 stars Â See all reviews Â (4 customer reviews)

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## Customer Reviews

View larger      Is CNC Your Cup of Tea?      If you think a CNC might be your cup of tea, but don't know where to start, this book is for you! You'll learn practical machining tips and tricks.      Edward Ford's Best CNC Tips      Although CNC has been around for 50-plus years, the last five years have been a boom. With a fully capable CNC machine more affordable now than at any point in history, there are very few barriers remaining for literally anyone who is interested to get started. From the hardware side, machines have become affordable and reliable and, from the software side, amazing development has been made over the last two to three

years, making machines easier to use than ever before. Understand the workflow. Knowing how to go from idea to part is half the battle of using a CNC machine. Once you master the workflow, you can focus your energy on coming up with and machining amazing projects! Practice without a machine. Free and Open Source design and toolpath tools are available, mix those together with an open source G-Code visualizer and you can practice doing entire projects without ever turning on a machine. Keep Learning. It's amazing how much there is to learn about making projects with a subtractive CNC machine. You can get going very quickly, but there's always a new way to make something that you might now have seen before. Be Safe! Never underestimate the importance of wearing safety glasses and keeping your hands clear of sharp bits turning thousands of revolutions per minute!

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