



# The CNC Cookbook: An Introduction to the Creation and Operation of Computer Controlled Mills, Router Tables, Lathes, and More

By E Hess

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## The CNC Cookbook: An Introduction to the Creation and Operation of Computer Controlled Mills, Router Tables, Lathes, and More By E Hess

CNC stands for Computer Numerical Control, and is a collection of technologies that enable precise computerized control of a variety of machines. If you are a hobbyist or DIY enthusiast interested in building and operating a computer controlled device like a router table or foam cutting machine, or converting and running a benchtop CNC mill or lathe, then The CNC Cookbook will provide the help you need to get started. Concepts of design, construction, and successful operation are covered in a practical, straightforward way. Topics include:

- Types of CNC hardware (motors, drive systems, linear slides, etc)
- Electronics (motor drives, power supplies, and more)
- Software (CAD, CAM, and controller programs)
- Conversion of existing machines and design of new CNC machines
- The basics of G-code and how to operate a CNC machine successfully
- Tips to avoid expensive mistakes

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