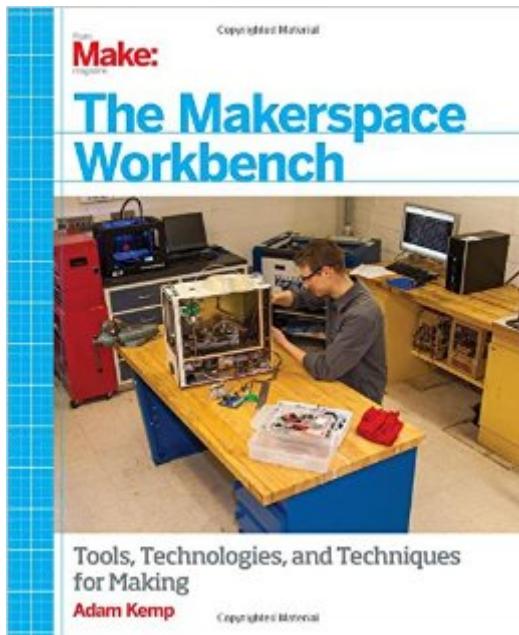


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# The Makerspace Workbench: Tools, Technologies, And Techniques For Making



## Synopsis

Create a dynamic space for designing and building DIY electronic hardware, programming, and manufacturing projects. With this illustrated guide, you'll learn the benefits of having a Makerspace—a shared space with a set of shared tools—that attracts fellow makers and gives you more resources to work with. You'll find clear explanations of the tools, software, materials, and layout you need to get started—everything from basic electronics to rapid prototyping technology and inexpensive 3D printers. A Makerspace is the perfect solution for many makers today. While you can get a lot done in a fully-decked out shop, you'll always have trouble making space for the next great tool you need. And the one thing you really miss out on in a personal shop is the collaboration with other makers. A Makerspace provides you with the best of both worlds. Perfect for any maker, educator, or community, this book shows you how to organize your environment to provide a safe and fun workflow, and demonstrates how you can use that space to educate others.

## Book Information

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## Customer Reviews

I have subscribed to Make magazine since its inception and have been involved in numerous excursions into robot building. This book provides the best one-stop reference I have ever seen. The author provides detailed explanations of tools (great ideas for presents) and concentrates on their function and how you would correctly use them. As an example, I never knew that the handle color of metal shears actually indicates the type of cut they were designed for (now I know why I had

a hard time making a straight cut with my shears). Beyond basic tools, the book also covers advanced equipment like 3D printers and laser cutters. How they work, how to service them, how to program them and sample projects to try. Electronics, from the basics of soldering to more advanced concepts like circuit board design, are covered in considerable depth. At the end of the book there is an entire section dedicated to moving STEM related projects into the classroom. Well balanced, this book should appeal to seasoned makers who want a solid reference to turn to. It should also appeal to anyone who wants to try their hand at designing or making the type of projects found in Make magazine. Finally, if you are setting up a Makerspace in your school, business, or if you're lucky enough, your basement or garage this book is absolutely required. Well done!!

I like that this book covers creation strategies for several different kinds of Makerspaces...schools, home, etc. I got it as a reference and resources for making a home space, but it got me thinking about the idea of a shared space for the neighborhood...great ideas. Full of useful resources!

I didn't find enough useful, non-obvious help in this book. It seems to be focussed on people setting up open maker spaces, but only provides general guidelines. I wanted some useful suggestions for my own workshop. Didn't get them.

Although I have been a maker since before the word was invented, and I already knew a great deal of what is in this book, I find it a delightful compilation of the most useful tools and how to use them correctly. It even reminded me of a few things I had learned once but had since forgotten. I bought a Kindle copy, and then invested in another print copy to keep in our nascent makerspace for people to refer to and help them imagine what they might be able to do, given the right tools (in a nutshell... almost anything!)

Good book. Received this as a gift for assisting me with my shop. Some good ideas and lessons for those just getting into the garage engineering/making. One thing that stands out that I would change is the Electric skillet SMT Soldering. The technique is alright for small PCBs but for any serious work, you may want to modify a Toaster oven.

This is not a great book, but it is a pleasant read with a few good ideas. My shop is more machine with a LITTLE tech. We have now removed the tech from the machine shop and setting up in a clean room. So the book earned its keep and paid for itself.

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