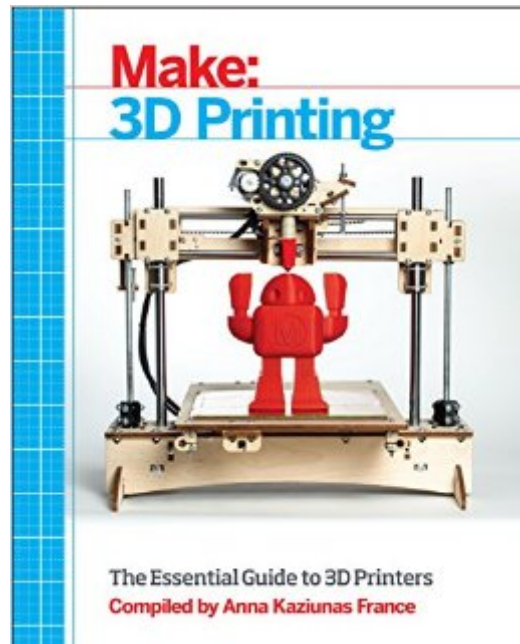# Make: 3D Printing: The Essential Guide To 3D Printers

Synopsis

The 3D printing revolution is well upon us, with new machines appearing at an amazing rate. With the abundance of information and options out there, how are makers to choose the 3D printer that's right for them? MAKE is here to help, with our Ultimate Guide to 3D Printing. With articles about techniques, freely available CAD packages, and comparisons of printers that are on the market, this book makes it easy to understand this complex and constantly-shifting topic.Based on articles and projects from MAKE's print and online publications, this book arms you with everything you need to know to understand the exciting but sometimes confusing world of 3D Printing.

Book Information

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Customer Reviews

Reading through this book, I was amazed at the amount of content that was in here, and most of the tutorials were great for someone new to 3D printing, but i'm willing to bet even some of the most experienced 3D printer people out there haven't tried all of the different things compiled in here.Printer ReviewsIf you are buying this book for printer reviews, you're much better off with the "Make: Ultimate Guide to 3D Printing 2014". It has more printers, and is more up-to-date, even though it was available (for me, anyways) before this book. As an example, this book reviews the Felix 1.0 printer from Felix Printers, where the new guide reviews the 2.0. (and the 3.0 is already shipping, so not sure why they take so long to test) This was the same with the cube printers, and the MakerBot Replicator 2 vs the 2x.Software TutorialsIf you want to learn 3D modeling, this guide offers a lot of options and even walks you through making a pencil topper in TinkerCAD. There was

a bunch of information about slicer as well, which was informative about 3D printing, but the found it odd that a guide for complete beginners didn't even mention that this was not needed for someone using a MakerBot Replicator 2.3D ScanningReally enjoyed the scanning tutorial, but it was literally copied and pasted from the "Getting Started with Makerbot" book a year ago. The cleanup guide was actually stated in the first page that it was outdated and a new video was posted, but instead of updating the tutorial, it was the same one as in the old book. Also, it mentioned that Mac users have to use some type of Windows with ReconstructMe, and mentions nothing of the Skanect software, (released in January 2013) which is a decent Mac alternative. Again, something mentioned in the magazine that didn't make it in this book.Finishing Techniques and Post-ProcessingThis was my favorite part of the book. It mentions things like how to do friction welding to put pieces together with just a rotary tool. There are also tips on painting and many other things here that are worth checking out.All-in-all is was worth the $10 for me being at the beginner stages of 3D printing, but I felt like if you were going to charge to put together a bunch of free or already made tutorials, you should take the time to update them and keep them current.

Good introduction to 3D printing, you could find most of this information on the web and I knew that before I purchased. However I wanted everything in one easy place to research. If you're new to 3d printing this is a good place to start.

Definately not what I was expecting. This book is more of a marketing scam than a technical book. Quick buy this book for troubleshhoting and maintenance tips. NOT, how about buy this book and we will tell you to save your time and have your prints done elsewere!Gave it two stars because it has color photos..... actually I am still not sure why I am giving it two stars. If thete was a zero I would give it a one star.

Covers all the basics, from hardware, software, to materials, and more. Just the book to get one into the topic of 3D printing.I like that it presents the use of actual (free) software, instead of rambling generally about theoretical software.

Worth every penny of the price! I think there is no better way of getting a great education in 3D printing and how to get started. I read a review where someone complained that the book was too basic and not quite up to date. The field of 3D printing is changing so quickly that it would be impossible to write or compile a book that is up to the minute. The book obviously addresses people

who want to start 3D printing and those with a small bit of experience. I don't know why an advanced user would complain about it.D Rogers

Excellent source for information on 3D printing. Gives good sense of where togo for enhancement of information. The3D printer reviews help with determinewhich machine is best for you.

Good book for an introduction to 3D printing. This book is loaded with resources (mostly web sites) for advancing your hobby and turning your prototypes into finished products as well as other 3D printer subjects.

At a recent 3-D printer demonstration, I realized that the time of 3-D home printing has arrived. This book was very timely. It provided me with a quick, but quite thorough, overview of the field.The book, within its 200 pages, covers how 3-D printers work, popular printers that are now available, and the software needed for a 3-D project. It also reviews 3-D scanning and how a scanner works, how to clean printed models, the different filament materials available, and printer services, Other more specific subjects include methods to finish 3-D objects, and alternate methods to create models. I can recommend this book to beginners, and also to non-beginners who can use the many references included. However since so many topics are covered, and the field is rapidly moving, it is hard to tell how up-to-date the individual material is. I believe this book, especially the Kindle edition, is well worth the price.

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