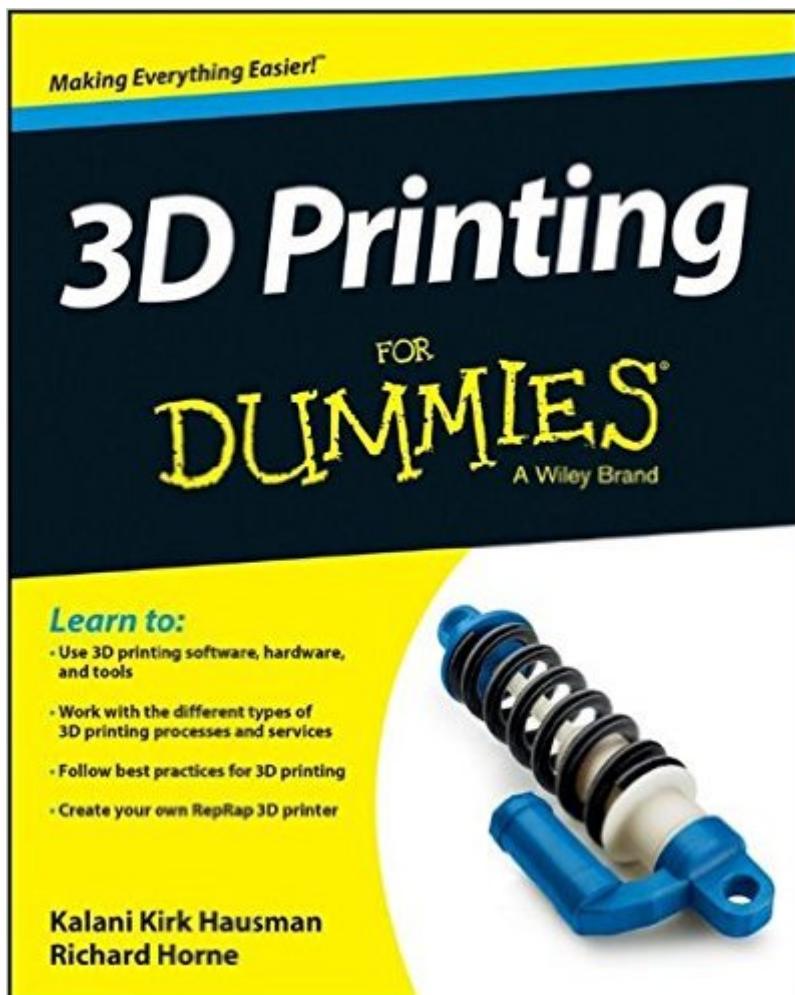


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3D Printing For Dummies



Synopsis

Get started printing out 3D objects quickly and inexpensively! 3D printing is no longer just a figment of your imagination. This remarkable technology is coming to the masses with the growing availability of 3D printers. 3D printers create 3-dimensional layered models and they allow users to create prototypes that use multiple materials and colors. This friendly-but-straightforward guide examines each type of 3D printing technology available today and gives artists, entrepreneurs, engineers, and hobbyists insight into the amazing things 3D printing has to offer. You'll discover methods for the creation of 3D printable objects using software, 3D scanners, and even photographs with the help of this timely *For Dummies* guide. Includes information on stereolithography, selective sintering, fused deposition, and granular binding techniques. Covers the potential for the transformation of production and manufacturing, reuse and recycling, intellectual property design controls, and the commoditization of traditional products from magazines to material goods. Walks you through the process of creating a RepRap printer using open-source designs, software, and hardware. Addresses the limitations of current 3D printing technologies and provides strategies for improved success. *3D Printing For Dummies* is the must-have guide to make manufacturing your own dynamic designs a dream come true!

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Customer Reviews

I gave this book 5 stars because I enjoyed reading it. For me it explained all the aspects of 3D printing in one place which allowed me to become familiar with the techniques, language,

engineering and applications of 3D printing in a weekend. After reading this book I am confident about getting into and purchasing a 3D printer. My background is I am handy and computer literate. For me the information was straight forward and easy to comprehend. After reading this I think it will be similar to building a computer in the late 90s. Well maybe easier as the parts appear to be less proprietary. The author gave a very good break down of the build process over several chapters. I though it was well organized and provided good pictures and techniques of the 3D components. I haven't visited many sites or blogs on 3D printing so if you have been scouring the web for a few months you may have picked up the same general information as you will find in this book but because the authors have done this (make a 3D printer - also one is at the pinnacle of this technology) I found their guidance to be exactly what I was looking for as a neophyte. I am no longer the neophyte I was 48 hours ago and can discuss arduino type boards from ramps to elefu-ra. Injectors like J-type, prusa and e3d and how the gear should be set up for feeding PLA or ABS. If you would like an exploration both historical and technical into 3D printing and are going to buy or build a 3D printer as I am - read this book. This is the only book I will read on the subject after this I will dive into the 3D open source community. Hope this review helps you.

I just finished building my own 3D Printer from a kit when this book finally arrived at my door. I read it in about 3 days, highlighting all the important (or at least, important areas to me). This book helped me tremendously with calibrating my bed and extruder. Made Slic3r and Pronterface much more easy to understand and gave great tips on settings for different types of prints. Seriously, a great book to have in your 3D printing collection. A side note, this book does mention a bit about building 3D printers from kits. I built my Prusa i3 from the Makerfarm kit, which I was very surprised not to see mentioned in this book as it's an all-inclusive kit that really solves a lot of the guesswork. It's also a great way to learn the ins-and-outs of 3d printers so you can go on to build your own.

Although there is a good intro to the principles of 3D printing, it seems like a major portion of this book deals with building a RepRap 3D printer. Much of the industry seems to be ignored, but then this technology is growing so quickly, it would be hard to keep up in print. Maybe they should have added "RepRap" to the title. No mention of 3D Systems, a major player in all levels of 3D printing, and only one paragraph (and no photos) on the very popular MakerBot 3D printers.

I was hoping for help with actually using my new 3D Printer. This books reads like a class about who invented them, brief overview of the materials, group of nice pictures and some overview, very

overview of making one. Generally these books give beginners step by step on how to use something like Excel. To me this books comes across as someone who pulled some stuff off the internet but never actually built one or used one. I was hoping for example how to balance your printer bed or how and what to use to get your prints to stick or effects too much or too little heat.

This book gives enough knowledge to start with your own 3d printer. It does not do more than that. Most information is already on the internet in the usual tutorials. If you want to understand more about the impact of 3d printing and a good understanding of the future and possible developments this book does not give much information. It aims mostly at extrusion printing (FDM) with pla, abs or pva filament. Recommended when you want to build or try a hobby printer , but not giving enough insight for professional applications, prototypers or choosing your technology from the more than 50 different technologies that exist in additive manufacturing

While the tech material is 110% current and useful, the rest of this book spends way too much time preaching to the choir about how 3D printing will change the world just like the Gutenberg printing press.....

Extremely informative. While not having enough information to make you an expert, it does have enough information to explain to you the fundamentals of 3d printing and the effects it will have on society and the world! If you would like a bit of background on 3d printing and materials, this book is perfect for you.

Unless you don't know what 3D printing is, don't bother with this book. There is very little hard information, most of the text is blather about the future impact of 3D printing, and most of the rest concerns assembling a particular model of DIY 3D printer. If you have done any Googling about 3D printing techniques and practices, this book is a total waste of your time. And, of course, it is obsolete.

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