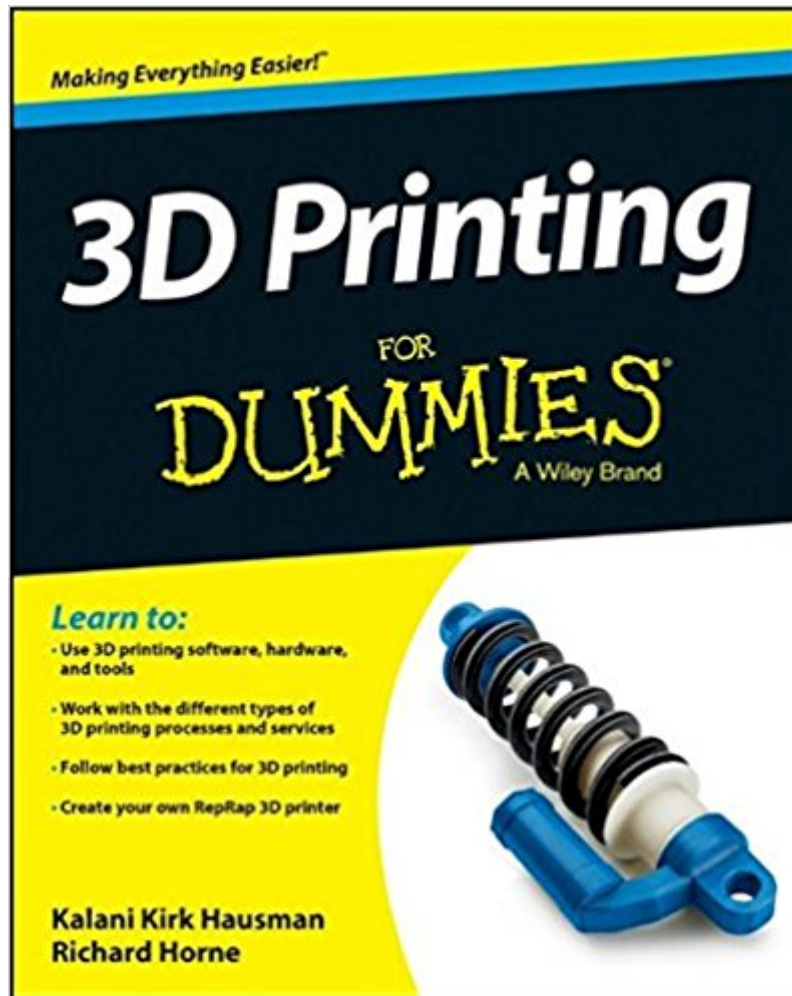




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# 3D Printing For Dummies



## 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 will 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!

## Book Information

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## Customer Reviews

This accessible guide covers everything from how 3D printing works to the transformative impact it could have on our lives (Tech Monthly, February 2014) a handy book that delves into the potential

of this new technology (3D World, June 2014)

Learn to: Use 3D printing software, hardware, and tools Work with the different types of 3D printing processes and services Follow best practices for 3D printing Create your own RepRap 3D printer 3D printing power to the people! Bring your designs to life with this For Dummies guide Straight from science fiction to your living room! 3D printing is here, and this friendly guide cuts through the technical jargon to show you how 3D printing works, what it can (and can't) do, some great resources, how 3D printing can be used in business, and cool things you can make yourself, even your own RepRap 3D printer! Amazing advantages • learn about the efficiencies of scale, personalization options, and green aspects of additive manufacturing It's been done • see how 3D printers are already producing prototypes of medical implants, personalized prosthetics, jewelry, and furniture The right tool for the job • find out what types of printers are needed for different materials What's online • discover sites where you can acquire open source tools for 3D object models It's just business • look at the industries being created by the advances in 3D printing, and some that will have to adapt Check 'em out • review various consumer-level 3D printers Rappin' about RepRap • get a list of components, materials, and software you need to build your own RepRap printer, with step-by-step instructions Open the book and find: Opportunities that 3D printing presents A comparison of traditional and additive manufacturing The different types of 3D printing A few limitations of current technology What 3D printing can mean to medicine Materials used in rapid prototyping Sources for CAD software and 3D scanners Some ethical issues about 3D printing

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 thought 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.

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.

This book started out great, then declined in valuable information. I was not looking for a "how-to" build description, but more to understanding all that I can about the technical aspects of 3D printing. For the cost, it's a decent book. I had hoped for a little more out of it.

As usual, dummies books provide an exceptional start for newbies to a new hobby or interest. This was not an exception to that. Good book, well written and illustrated. Even talked about what 3d printing might do to change the manufacturing and shipping world.

Learning alot great resource and love Dummies layout.

Great Primer for 3D Printer... anyone who is interested in this field should check out this book

was as stated

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