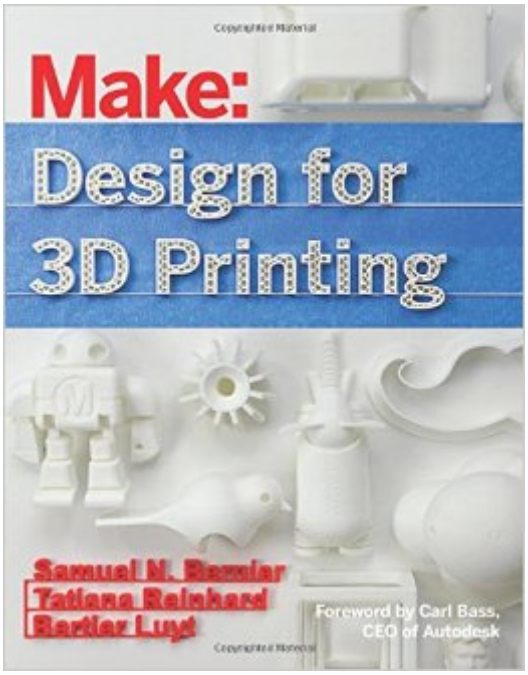
Design For 3D Printing: Scanning, Creating, Editing, Remixing, And Making In Three Dimensions



Synopsis

France’s Le FabShop has extensive experience testing 3D printers and creating digital models for them. From an articulated Makey Robot to a posable elephant model, Samuel N. Bernier and the rest of Le FabShop’s team have created some of the most-printed designs in the 3D printing world. This book uses their work to teach you how to get professional results out of a desktop 3D printer without needing to be trained in design. Through a series of tutorials and case studies, this book gives you the techniques to turn a product idea into a 3D model and a prototype. Focusing on free design software and affordable technologies, the exercises in this book are the perfect boost to any beginner looking to start designing for 3D printing. Designing for the tool and finding a good tool to fit the design--these are at the core of the product designer’s job, and these are the tools this book will help you master. Foreword by Carl Bass, Autodesk’s CEO, a passionate and prolific Maker. In Design For 3D Printing, you’ll:Learn the different 3D printing technologiesChoose the best desktop 3D printerDiscover free 3D modeling softwareBecome familiar with 3D scanning solutionsFind out how to go from a bad to a good 3D source file, one that’s ready-to-print

Book Information

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Average Customer Review: 4.0 out of 5 starsÂ Â See all reviewsÂ (12 customer reviews)

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Customer Reviews

If you are into 3D printing I would put this on the must read list. Mostly an overview, but some details too. I work w Solidworks and Fusion 360, built and run a REPRAP (Mendelmax1.5) 3D printer and

work with a few print services. This book is good for entry level and experienced users.

Like all "Make" books, this is clearly written and profusely illustrated. It’s very much for beginners and covers a lot of the free tools available from various companies but I found it to be a great resource and a valuable addition to my 3D printing book collection.

In addition to the very practical and hands-on tips, the book contains a good overview of printers, tools and software. Really handy for novice users wanting to enter the fascinating world of 3D printing or for those looking to get their pieces to the next level.

This book taughed me a lot of tips ! I discovered some very interesting free tools and helped me resolve some troubles I had previously with difficult shapes. Very helpful :)

This is a very good book. It provides much information that is not available in other, larger books. I like the inclusion of Info on vendors. I have many new idea that I got from the book. The only reason that I did not give it 5 stars is that it has some very minor editorial (grammar) problems to which I am pSrticularly sensitive. After I noticed these I studied the copyright page and found that the book was not originally written in English. For this reason perhaps my cut of a star is too severe.

Really good book with good exercises. The designs are very well done, it’s a pleasure to learn 3D printing with really cool projects like that. I recommend this book to everybody. I love it.

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