



3D Printing with RepRap Cookbook

By Richard Salinas



Download



Read Online

3D Printing with RepRap Cookbook By Richard Salinas

Over 80 fast-paced recipes to help you create and print 3D models

About This Book

- Master the most difficult printing techniques
- Create models with easy solutions for 3D printing
- Know how to choose the best slicer for the right job
- Easy-to-use recipes for optimizing 3D models for 3D printing and printing process

Who This Book Is For

This book is for novice designers and artists who own a RepRap-based 3D printer, have fundamental knowledge of its working, and who desire to gain better mastery of the printing process. For the more experienced user, it will provide a handy visual resource, with side-by-side comparisons of the two most popular slicers, Skeinforge and Slic3r.

A basic understanding of designing and modeling principles and elementary knowledge of digital modeling would be a plus.

What You Will Learn

- Use the 123D Catch program to 3D scan common objects of almost any size for 3D printing
- Manipulate the surface mesh of a 3D model using Meshmixer v9001, the 3D modeling program
- Clean up your scans and stitch them together to make a solid model using MeshLab v1.3.2
- Calibrate 3D models using SketchUp v13, a 3D CAD program for precision fabrication
- Master the controls of the two most popular slicers, Skeinforge and Slic3r
- Learn how to add textures to your models and avoid undesirable texture through calibration

In Detail

Do-it-yourself 3D printing is a new and exciting technology that gives you the power to make extraordinary things that were previously impossible. 3D printing provides great savings on assembly costs as it offers the capability of printing

already assembled products.

This book is a concise guide to creating 3D models and for mastering the skills of 3D printing through a series of easy-to-follow recipes. It covers the detailed process of 3D printing using RepRap machines along with some fundamental 3D printing techniques such as 3D scanning, parametric modeling, and digital fabrication.

 [Download 3D Printing with RepRap Cookbook ...pdf](#)

 [Read Online 3D Printing with RepRap Cookbook ...pdf](#)

3D Printing with RepRap Cookbook

By Richard Salinas

3D Printing with RepRap Cookbook By Richard Salinas

Over 80 fast-paced recipes to help you create and print 3D models

About This Book

- Master the most difficult printing techniques
- Create models with easy solutions for 3D printing
- Know how to choose the best slicer for the right job
- Easy-to-use recipes for optimizing 3D models for 3D printing and printing process

Who This Book Is For

This book is for novice designers and artists who own a RepRap-based 3D printer, have fundamental knowledge of its working, and who desire to gain better mastery of the printing process. For the more experienced user, it will provide a handy visual resource, with side-by-side comparisons of the two most popular slicers, Skeinforge and Slic3r.

A basic understanding of designing and modeling principles and elementary knowledge of digital modeling would be a plus.

What You Will Learn

- Use the 123D Catch program to 3D scan common objects of almost any size for 3D printing
- Manipulate the surface mesh of a 3D model using Meshmixer v9001, the 3D modeling program
- Clean up your scans and stitch them together to make a solid model using MeshLab v1.3.2
- Calibrate 3D models using SketchUp v13, a 3D CAD program for precision fabrication
- Master the controls of the two most popular slicers, Skeinforge and Slic3r
- Learn how to add textures to your models and avoid undesirable texture through calibration


In Detail


Do-it-yourself 3D printing is a new and exciting technology that gives you the power to make extraordinary things that were previously impossible. 3D printing provides great savings on assembly costs as it offers the capability of printing already assembled products.

This book is a concise guide to creating 3D models and for mastering the skills of 3D printing through a series of easy-to-follow recipes. It covers the detailed process of 3D printing using RepRap machines along with some fundamental 3D printing techniques such as 3D scanning, parametric modeling, and digital fabrication.

3D Printing with RepRap Cookbook By Richard Salinas Bibliography

- Sales Rank: #2220910 in Books
- Published on: 2014-07-19
- Released on: 2014-06-24
- Original language: English
- Number of items: 1
- Dimensions: 9.25" h x .78" w x 7.50" l, 1.31 pounds
- Binding: Paperback
- 360 pages

 [Download 3D Printing with RepRap Cookbook ...pdf](#)

 [Read Online 3D Printing with RepRap Cookbook ...pdf](#)

Editorial Review

About the Author

Richard Salinas

Richard Salinas is a scenic artist in the film industry, where he has worked for over 20 years on numerous television and motion picture productions. He was educated at the University of Missouri where he studied sculpture and three-dimensional design. He also has a formal education in the field of electronics. He developed an interest in computers in 1981 when he began programming on his university's mainframe and one of the first affordable personal computers: the Commodore VIC-20. Since 2012, he's constructed five 3D printers of various designs and hacks. His aim is to explore the possibilities of creating fine art sculpture with DIY technology. You can follow his progress at www.3dprintedsculpture.com.

Users Review

From reader reviews:

Joyce Loza:

Typically the book 3D Printing with RepRap Cookbook has a lot associated with on it. So when you check out this book you can get a lot of benefit. The book was compiled by the very famous author. This articles author makes some research ahead of write this book. That book very easy to read you can get the point easily after reading this book.

Fred Martinez:

In this period globalization it is important to someone to get information. The information will make you to definitely understand the condition of the world. The health of the world makes the information easier to share. You can find a lot of personal references to get information example: internet, newspapers, book, and soon. You can see that now, a lot of publisher in which print many kinds of book. The book that recommended to you personally is 3D Printing with RepRap Cookbook this book consist a lot of the information from the condition of this world now. This specific book was represented how can the world has grown up. The dialect styles that writer use to explain it is easy to understand. The particular writer made some investigation when he makes this book. That is why this book appropriate all of you.

Annie Fowler:

As a pupil exactly feel bored to reading. If their teacher inquired them to go to the library or to make summary for some e-book, they are complained. Just small students that has reading's heart and soul or real their passion. They just do what the educator want, like asked to go to the library. They go to generally there but nothing reading very seriously. Any students feel that looking at is not important, boring and can't see colorful pictures on there. Yeah, it is to be complicated. Book is very important for you personally. As we know that on this period of time, many ways to get whatever we would like. Likewise word says, ways to

reach Chinese's country. So , this 3D Printing with RepRap Cookbook can make you really feel more interested to read.

Alicia Romero:

Guide is one of source of information. We can add our know-how from it. Not only for students but also native or citizen have to have book to know the upgrade information of year to be able to year. As we know those books have many advantages. Beside we add our knowledge, also can bring us to around the world. With the book 3D Printing with RepRap Cookbook we can acquire more advantage. Don't one to be creative people? To get creative person must prefer to read a book. Just simply choose the best book that ideal with your aim. Don't possibly be doubt to change your life by this book 3D Printing with RepRap Cookbook. You can more desirable than now.

Download and Read Online 3D Printing with RepRap Cookbook By Richard Salinas #RCUQ6D4MIFV

Read 3D Printing with RepRap Cookbook By Richard Salinas for online ebook

3D Printing with RepRap Cookbook By Richard Salinas Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read 3D Printing with RepRap Cookbook By Richard Salinas books to read online.

Online 3D Printing with RepRap Cookbook By Richard Salinas ebook PDF download

3D Printing with RepRap Cookbook By Richard Salinas Doc

3D Printing with RepRap Cookbook By Richard Salinas Mobipocket

3D Printing with RepRap Cookbook By Richard Salinas EPub