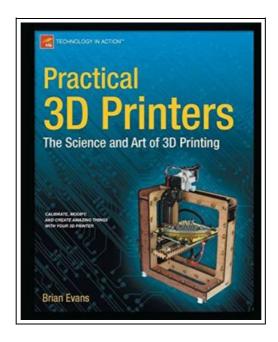
Practical 3D Printers: The Science and Art of 3D Printing



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Reviews

I actually started out looking at this publication. it was actually writtern really perfectly and useful. Its been written in an extremely simple way and it is only soon after i finished reading through this pdf by which really modified me, change the way i really believe.

(Breanna Kerluke)

PRACTICAL 3D PRINTERS: THE SCIENCE AND ART OF 3D PRINTING



Apress. Paperback. Book Condition: New. Paperback. 332 pages. Dimensions: 9.2in. x 7.4in. x 1.0in.Desktop or DIY 3D printers are devices you can either buy preassembled as a kit, or build from a collection of parts to design and print physical objects including replacement household parts, custom toys, and even art, science, or engineering projects. Maybe you have one, or maybe youre thinking about buying or building one. Practical 3D Printers takes you beyond how to build a 3D printer, to calibrating, customizing, and creating amazing models, including 3D printed text, a warship model, a robot platform, windup toys, and arcade-inspired alien invaders. Youll learn about the different types of personal 3D printers and how they work; from the MakerBot to the RepRap printers like the Huxley and Mendel, as well as the whiteAnt CNC featured in the Apress book Printing in Plastic. Youll discover how easy it is to find and design 3D models using web-based 3D modeling, and even how to create a 3D model from a 2D image. After learning the basics, this book will walk you through building multi-part models with a steampunk warship project, working with meshes to buildyour ownaction heroes, and creating an autonomous robot chassis. Finally, youll find even more bonus projects to build, including wind-up walkers, faceted vases for the home, and a handful of useful upgrades to modify and improve your 3D printer. What youll learn The various types of 3D printers, what they have in common, and what sets each one apart The printer toolchain, including controllers and printer interfaces The art of calibrating your printer How to find and create 3D models to print, including using Google Sketchup How to create multipart models and meshes How to upgrade both the mechanical and electronic parts in your printer Who this book...



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