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	Titolo	3D Printing with Delta Printers [[electronic resource] /] / by Charles Bell
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	ISBN	1-4842-1173-1
	Edizione	[1st ed. 2015.]
	Descrizione fisica	1 online resource (355 p.)
	Collana	Technology in action
	Disciplina	004
	Soggetti	Computer input-output equipment
		Optical data processing
		Computer graphics
		Hardware and Maker
		Computer Imaging, Vision, Pattern Recognition and Graphics
		Computer Graphics
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Description based upon print version of record.
	Nota di contenuto	Contents at a Glance; Contents; About the Author; About the Technical Reviewer; Acknowledgments; Introduction; Chapter 1: Introduction to Delta 3D Printers; Getting Started; What Is 3D Printing?; The 3D Printing Process; How an Object Is Printed; 3D Printing Consumables; Filament; Print Surface Treatments; Blue Painter's Tape ; Kapton Tape ; ABS Juice; Cartesian vs . Delta Printers; Getting a Delta Printer; Categories of 3D Printers; Professional Grade ; Consumer Grade ; Hobbyist Grade (RepRap); Build or Buy?; Reasons for Building Your Own Delta Printer
		Reasons for Buying a Delta Printer Buying a Used 3D Printer; Summary; Chapter 2: Delta Printer Hardware; Anatomy of a Delta Printer; Axes; Hardware Components; Extruder; Hot End; Axis Movement; Smooth Rods; Linear Rails; Roller Carriages; Recirculating Balls on Frame Rails; Delta Arms; Stepper Motors; Build Plate; Electronics; Frame; Design Variants; SeeMeCNC Rostock Max v2; Kossel Pro; Mini Kossel; Which Is Best?; Summary; Chapter 3: Delta Printer Software; Computer-Aided Design; CAD Software Choices; Blender; OpenSCAD; Computer-Aided Manufacturing; Using CAM Software
		CAM Software Choices Repetier-Host; MatterControl; Simplify3D; How

Sommario/riassunto	Do you find yourself wondering what the fuss is about a delta 3D printer? Perhaps you've decided to buy one but all of your 3D printing friends are busily perfecting their Cartesian printers. Maybe you find yourself stymied by the fact that your delta printer has very different needs for setup, configuration, calibration, and maintenance than Cartesian printers. 3D Printing with Delta Printers contains detailed descriptions of the innovative delta design including unique hardware, software, and maintenance requirements. The book also covers tips for building your own delta printer as well as examples of common enhancements. This book will enable you to build, configure, and enhance your delta printer. The topics covered will reveal the often-mysterious nuances of the delta design that will enable your printer to compete with the best of what your 3D printer friends can build.