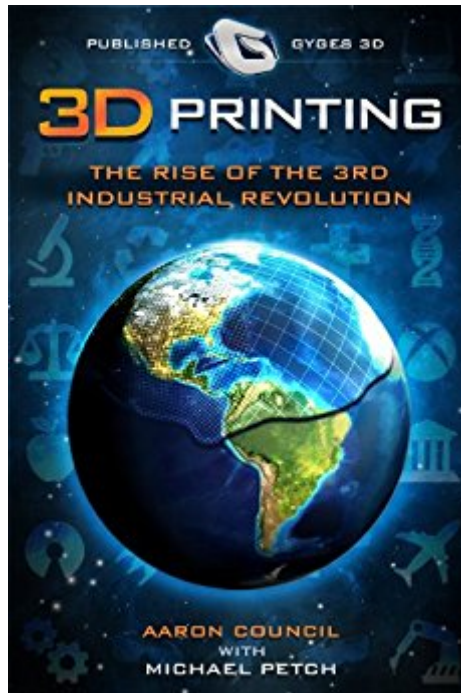


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# 3D Printing: Rise Of The Third Industrial Revolution (Gyges 3D Presents)



## Synopsis

A top ten bestseller, 3D Printing: Rise of the Third Industrial Revolution, is regarded as a comprehensive primer on the world's swiftest growing technology. Have you ever wondered what a world in which any item you desired was available at the click of a button would look like? The days of wondering are over. The ability for anyone to print guns, drugs, or iPhones is on the horizon. This means a radical change in the structure of society. The technology will prompt a new era of social revolution and large companies and national governments must handle the challenges it presents. 3D Printing: Rise of the Third Industrial Revolution scrutinizes what this means for the world and the future of humanity. How will 3D printing change your life? Reality is stranger than science fiction. 3D printing will create future spaceships and robots to manufacture off-world colonies in orbit and on new planets. Astronauts will even enjoy pizza fresh from the printer. There is also the potential for a new society to emerge. Much as the previous industrial revolutions changed the world we live in forever, the coming third revolution will touch on aspects of every part of your life. From the kind of work you do, to how you travel and what you eat, 3D printing has something exciting in store. Even leisure time will be affected. How 3D printing interacts with the Xbox will be closely examined. Are you already living in the future? Read 3D Printing: Rise of the Third Industrial Revolution to see how prepared you are. The book explains the fundamentals of 3D printing and illuminates current and future developments, so whether you are a novice or an intermediate user, you are guaranteed to walk away with new knowledge. What reviewers are saying about 3D Printing: Rise of the Third Industrial Revolution: "This enlightening book is a must-read for individuals who pride themselves on staying up to date with the latest developments in the world of technology." "Thoughtful and intelligently argued without unnecessary complexity: A great primer for the inquisitive reader." "Aaron Council has an effervescent writing style that helps you imagine the possibilities and the pathways of this Third Industrial Revolution." "Bestselling author Aaron Council holds degrees in Open-Source Architecture and Technical Welding and is the founder and CEO of the popular Gyges3d.com. Michael Petch is a British author, business consultant and the founder of black-dog-consulting.com.

## Book Information

File Size: 377 KB

Print Length: 116 pages

Publisher: gyges3d.com; 2014 edition (February 27, 2014)

Publication Date: February 27, 2014

Sold by:Â Digital Services LLC

Language: English

ASIN: B00IPO42F2

Text-to-Speech: Enabled

X-Ray: Enabled

Word Wise: Enabled

Lending: Enabled

Enhanced Typesetting: Enabled

Best Sellers Rank: #441,691 Paid in Kindle Store (See Top 100 Paid in Kindle Store) #61

inÂ Books > Computers & Technology > Graphics & Design > 3D Printing #802 inÂ Kindle Store > Kindle eBooks > Nonfiction > Science > Technology > General & Reference #1858 inÂ Books > Computers & Technology > Hardware & DIY

## Customer Reviews

Nike football shoes, Nokia cellphone design, customized prosthetic jaws, Ashton Martin cars, robotic air-crafts - all of these and many more have been made or will be made soon using 3D printing technology. We have all heard of this newfangled technology - it's quite the "in" thing today and is the subject of many online discussions, blogs and magazine articles. But what is it really ? How does it work ? Where is it used ? How does it help you or impact you personally ? What about its ethics and legality ? And how does it impact business and the larger economy ? All of these questions are sought to be answered at length by the writers Aaron Council and Michael Petch , in what is a comprehensive book on 3D printing. They start off by placing 3D printing in its right historical context, comparing it to the technologies of the first and second industrial revolutions. They predict how 3D printing heralds the beginning of the third industrial revolution, and its huge impact on how businesses are conducted and manufacturing is done. This is because, 3D printing by its very nature nullifies 2 of the most important factors in manufacturing - geographic location and ownership of production. With this technology, you may be one of the several million people producing the latest model of a watch or a smartphone (not done yet, but very much feasible in the future) in your garage, make as many as you like, without any worry about its price or any other conventional economic yardstick of demand and supply. The writers discuss at length the ethics of 3D printing and whether it violates any laws. There are individual chapters on the specific uses of 3D printing in fashion, automotive, aerospace and transportation industries, construction business, medicine and food production.

This is a review of a process that is rapidly changing, so the book as well as this review, will be quickly outdated. It's for that reason I give it three stars. If this were a mature field where the changes have slowed down, this book would rate four to five stars. 3D printing, while its origins date back decades, has only in the last decade come down in price enough to start having a wide impact. Printers that used to cost tens of thousands of dollars can now be had for only a few hundred dollars. New technologies have emerged allowing for multiple products to be printed from different materials, from metals to plastics, even foods. Meanwhile the quality of what can be printed has gone way up – the crude and heavy prints I saw decades ago can now be made light with layers so small that they're thinner than the rows of pixels on retina screens, though most consumer printers still have visible lines. The areas of Intellectual Property (IP) and liability are areas that are still being worked out and many concerns on both have yet to be thrashed out in courts of law, or public opinion. Hot button issues include the copying of designs and what happens in the case of failure of a copied design, who's responsible? The designer, or the maker? Or the consumer? One issue that really should be a non-issue is the making of firearms using 3D printing. To give an example, years ago, I walked into a hardware store in Texas and saw a tool similar to the Grizzly G4015Z Combo Lathe/Mill sold here on . I asked if it sold well, and received the answer that he had sold several. "What do they make with it?" "Guns."

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