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Christopher D. Winnan

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3D PRINTING

THE NEXT TECHNOLOGY GOLD RUSH



**FUTURE FACTORIES AND HOW TO CAPITALIZE ON
DISTRIBUTED MANUFACTURING**

By Christopher D. Winnan

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Christopher D. Winnan : 3D Printing: The Next Technology Gold Rush - Future Factories and How to Capitalize on Distributed Manufacturing before purchasing it in order to gage whether or not it would be worth my time, and all praised 3D Printing: The Next Technology Gold Rush - Future Factories and How to Capitalize on Distributed Manufacturing:

42 of 46 people found the following review helpful. Mostly Disappointed
By Marc S. I purchased this book to learn more about financial opportunities that are possible using 3D printing technologies. I was impressed with the authors knowledge of the existing equipment and their relative strengths and weaknesses and I was also impressed with the authors deep knowledge of all the different characters one could make across the world of comic books, video games and anime. However, what I wasn't impressed with was the financial model the author claims readers can capitalize on. Essentially, the idea is that print up these characters and models one by one and sell them on eBay. I am sure you can make a few bucks but no one is going to quit their job doing this kind of work. What really set me off was when the author ran off the road and started talking about politics with the author's leftist leanings became very apparent. It's not just that I didn't buy this book to hear about the author's political hobby horses, but that his ideas were so naive. The author suggested that the revolution of 3D printing could actually put the majority of manufacturing workers out of a job! Like many lefty pseudo-political thinkers, he falls into the trap of believing in a zero sum gain economy. 3D printing won't destroy the manufacturing industry any more than robots did. It will change the industry, it will shift the industry, it will create many new opportunities, but it will not put tens of thousands out of work. To compound my frustration with the book, when the author started to talk about the potential of printing firearms on a 3D printer, he again ran off the road to talk about politics. The author suggested that the easy availability of firearms in Thailand accounted for it having the 3rd highest murder rate. What he didn't mention is that South Africa has the highest murder rate in the world with virtually no murders by firearms due to the draconian laws on the books. Again, naive politics that shouldn't be in the book. In closing the core proposition posed by the book proved to be not very compelling and when the reader has to suffer through the author's sophomoric political views, it makes for a book that is not worth reading. Take a pass on this one.

0 of 0 people found the following review helpful. Great book @ a great price
By M. Clark
First thing I want to say is this book is really underpriced. Other books on the subject typically run five times as much. Many of these other books are very superficial, here's the next big thing, but no real information. In this case, the author Christopher Winnan is very knowledgeable on the subject. The book is written in three parts: Part one is most important. Info on the new technology and printers. Info on 3D scanning. Info on 3D Modeling and Design. All of it really great info, well written in a way that's easily understandable as well as knowledgeable and informative. Part two is a lot of ideas on how the new technology can be used. Again the author has really researched these different ideas as well as given any number of places to get additional info on each of these areas. It's a section you can read the parts your interested in and skip the others. Part three is upsides/downsides and legal issues of the new technology. All important info for anyone who wants to go into the business themselves or invest in others. I looked at a number of books on this subject both in store and online. This was undoubtedly the best of the bunch, and yet, the lowest priced. Some just focus on one aspect of 3D printing and others just give a superficial overview. This is a really great book with a lot of detailed information and tons of links and references as to where you can get additional info on the aspects you're interested in. Highly recommended by this 3D artist. My compliments to the author on a job well done.

0 of 0 people found the following review helpful. 3D printing well explained
By Moore Ronson
I have another 3D printing book of this author, *Adventures in 3D Printing* (<http://www.com/dp/B00H7CZWQ6/>), which is a great read for people who want to know more about 3D printing and the related business opportunities. I heard that the authors new book was banned by Makerbot, so I was curious to know what the author said in this previous book. It turned out that this old book by Christopher Winnan is another great book packed with useful information. I was surprised that the content was not nearly as out of date as I expected. I like how Christopher explained technical ideas in a plain simple way. Despite the highly technical topic, this book is still an interesting and enlightening read. 3D printing is definitely the next big thing to expect, there are suggestions that it will drive a new industrial revolution. This is a book to read if you want to know more about this evolving field.

This book concentrates on three main areas. 1. Easy to read, yet detailed explanations of all the 3D printing related technologies currently available 2. Practical advice on how this technology can be leveraged as a successful business in today's economy. 3. The wider long-term repercussions, including real world examples of how 3D printing is set to change the future of industry. Part 1 of this book presents the various 3D printing systems currently on the market, covering their background, their functionality and their relative pros and cons. Separate chapters offer similarly in-depth examinations of the very latest scanning technologies, 3D modelling software and 3D file archives. Complex technical processes are explained in detail, but using language accessible to readers who are new to this fascinating subject. Part 2 focuses specifically on areas in which a 3D printer can be used to generate income. It examines a wide range of niche markets presenting real world examples and current success stories. In addition, it identifies and explores many unfilled niches that are still wide open. The author talks extensively about his own projects and analyses large amounts of very well researched information that is unavailable elsewhere. Part 3 looks at the bigger picture. Individual chapters concentrate upon emerging materials, how the industry is scaling up production, and where the battle lines are being drawn amongst the complex legal issues. Readers are introduced to the highly disruptive nature of distributed manufacturing, demonstrating many of the global impacts and developments that will transform entire economies in the next ten years. Far from being a dry technical manual, this book addresses three key

issues that are important to anybody interested in this rapidly evolving field. What are 3D printers all about? How can they be used to make money? What does the immediate future hold for this amazing technology? Humorous, insightful and inspiring in equal measure.

About the Author Christopher Winnan has many interests with expertise in a variety of fields. For the last two decades he has been based in the newest incubator of great ideas: Asia. As a consultant, he travels widely throughout Asia working in Thailand, Korea and the emerging powerhouse China. Seeking out the latest breakthroughs in a wide range of emerging technologies, he visits research facilities, trade shows and suppliers throughout China to analyze and evaluate the latest developments. He turns facts into information, and information into valuable knowledge. His uncanny ability to pick and forecast trends leave him in demand as an advisor to European and North American companies and investors. As a writer, he has established his expertise by contributing to *Forbes* and *National Geographic*. When not consulting or publishing, he can be found exploring Asia's newest frontiers: from the Tibetan borderland ancient tea-horse routes to the fantastic karst landscapes of south China's opium trails.