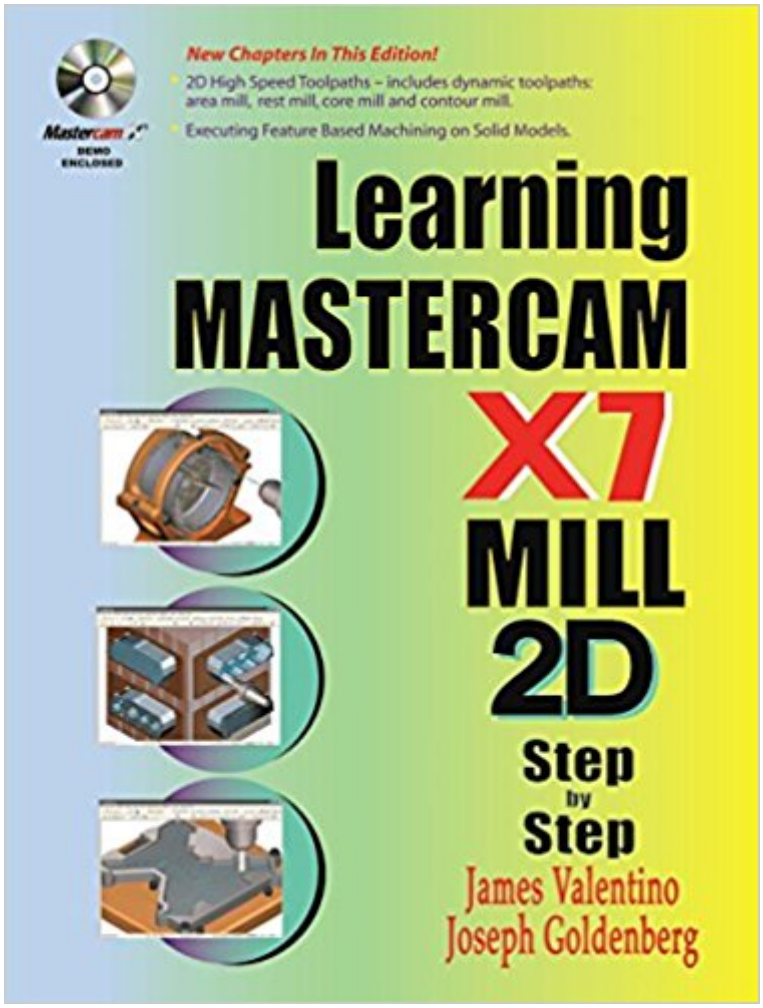
Learning Mastercam X7 Mill 2D Step By Step



Synopsis

WARNING: a trial software of X7 in the accompanied CD has been expired; therefore, not downloadable. The exercises in the CD can be used.Â OverviewThis unique text presents a thorough introduction to Mastercam X7 Mill for students with little or no prior experience. It can be used in virtually any educational setting -- from four-year engineering schools to community colleges and voc/tech schools to industrial training centers -- and will also serve as a reliable reference for on-the-job use or as a self-study manual. The award-winning authors have carefully arranged the contents in a clear and logical sequence and have used many hundreds of visuals instead of wordy explanations. Two enclosed CDs contain Mastercam X7 Demo and also include examples and exercises from the text for student practice.FeaturesEmphasizes student-friendly graphical displays in place of long explanations and definitions.Includes an overview of the process of generating a word address program.Presents numerous examples that provide step-by-step instructions with graphical displays.Eliminates flipping between pages by featuring all explanations on the same page as the example.Contains exercises at the end of each chapter.Features a process plan for many machining exercises to indicate the machining operations to be performed and the tools to be used.All operations now done in Windows 7.Includes the new Verifier.Includes the new Code Expert.Features editing solid models imported from other CAD packages such as SolidWorks.

Book Information

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Customer Reviews

James ValentinoÂ holds a doctorate in applied mechanics from the Polytechnic University of New York. He has over 25 years experience teaching technology courses and many years in industry. Currently, he is professor and chairperson of the department of Mechanical Engineering Technology & Design Drafting at Queensborough Community College (CUNY). He is a member of Sigma XI, a senior member of SME, and coauthor of Learning Mastercam X2 Mill Step-by-Step, also published by Industrial Press.Joseph GoldenbergÂ is Associate Professor, Department of Engineering Technology, and Director of Manufacturing Processes Laboratory at Queensborough Community College, New York. Professor Goldenberg holds an Engineer Degree in Machine Tool Technology, Lvov Polytechnic institute, USSR; and an MS in Manufacturing Engineering, Brooklyn Polytechnic University. He has PhD equivalency, granted by CUNY Board of Trusties; and holds the EIT in New York State. With over 45 years of experience as a mechanical engineer and machine tool designer, Goldenberg is an expert in CNC, CAD/CAM programming, and manufacturing management. He is the founder and President of the Center for Advanced Manufacturing Studies, a company dedicated to training and advising manufacturing personnel in the latest developments of CNC and CADCAM technology.

Valentino and Goldenberg are also authors of a one of the best "intro to CNC" books published in recent years. If you are new to industrial CNC or are taking a skilled trades course involving Mastercam then this instructional book will provide excellent value and in my opinion contains considerably more detail that is not found in the competing CamInstructor series of training guides that typically used in conjunction with the Haas CNC mills and lathes found at most technical colleges in North America skilled trades programs. It would be very interesting to hear from others how they compare this book and the comprehensive series by Matthew Manton and Duane Weidinger that is also highly recommended if you want to learn Mastercam 2D, 3D 4&5D axis CNC mill software. If you use Mastercam X7 2D Mill at your place of employment then this step by step training guide may still be very useful to you. I have heard more than one exprienced user of Mastercam state that the software is so powerful they still are learning how to use its evolving functionality and new high speed toolpaths. If you are already an expert with older versions of Mastercam then this book will help serve as a reference to the new version released in 2013 assuming your employer hasn’t sent you to an accelerated training course. One important caveat: The incorporation of the Mastercam Demo X7 HLE software on DVD and lessons are worth the purchase of the book alone. The included software will allow you to practice creating 2D mill geometry and assigning toolpaths, but will NOT allow you to output the result as G code that would

make the part. To do that you will need to pay the folks at Mastercam for a seat and a valid SIM which with all the bells and whistles could easily run $25K upfront. For those home CNC hobbyists who are just getting started please understand that Mastercam software is used by many shops and companies who do not want to invest in the steep learning curve or typical expense of ~$40K seat cost and ~$4K yearly "maintenance" fees that the gold standard CNC CAM packages typically cost. Those programs are typically used in Fortune 500 companies manufacturing engineering groups such as those making custom products heading into the demanding aerospace market. If you are a small business owner looking to understand the power of Mastercam software then invest in this book and home learning environment software and decide if it will benefit. Final warning if you do invest in Mastercam be prepared to also buy very high end engineering workstations with lots of memory to run it.

It’s an alright book. I took this class with the person who wrote it. Pro. Goldenberg. At Queensborough Community College. He doesn’t explain what to do, he expects us to know it this book provides examples of how to do things, but its not so clear on all steps, so you would have to figure it out on your own. Its a helpful book but the steps aren’t 100% helpfull. I gave it 3 stars because.. well, find out for yourself, buy this book and you’ll end up giving it 3 stars also.

The first book I got had a blank DVD in the back so I sent it back. The second book also had a blank DVD in the back. I already had a copy of mastercam x7 demo so I just kept the book. I emailed the publisher about getting a replacement DVD but got no response from them.

Haven’t read the book, but bought it for the software. No need to work in the computer lab at College. I can use the MasterCam website and this program from my home computer. Saves me lots of time.

Received an expired demo version. Have no idea the quality of the book and it’s contents.

Very valuable book.

thank you i like it, now i learn to much, this book is great for beginers, now i start programming by my self

Thanks

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