DESCRIPTION

A comprehensive guide to Autodesk Inventor and Inventor LT

This detailed reference and tutorial provides straightforward explanations, real-world examples, and practical tutorials that focus squarely on teaching Autodesk Inventor tips, tricks, and techniques. The book also includes a project at the beginning to help those new to Inventor quickly understand key interface conventions and capabilities.

In addition, there is more information on Inventor LT, new practice drawings at the end of each chapter to reinforce lessons learned, and thorough coverage of all of Inventor's new features. The author's extensive experience across industries and his expertise enables him to teach the software in the context of real-world workflows and work environments.

*Mastering Inventor* explores all aspects of part design, including sketching, basic and advanced modeling techniques, working with sheet metal, and part editing. Here are just a few of the key topics covered:

- Assemblies and subassemblies
- Real-world workflows and offering extensive detail on working with large assemblies
- Weldment design
- Functional design using Design Accelerators and Design Calculators
- Everything from presentation files to simple animations to documentation for exploded views
- Frame Generator
• Inventor Studio visualization tools

• Inventor Professional's dynamic simulation and stress analysis features

• Routed systems features (piping, tubing, cabling, and harnesses)

The book's detailed discussions are reinforced with step-by-step tutorials, and readers can compare their work to the downloadable before-and-after tutorial files. In addition, you'll find an hour of instructional videos with tips and techniques to help you master the software.

*Mastering Inventor* is the ultimate resource for those who want to quickly become proficient with Autodesk's 3D manufacturing software and prepare for the Inventor certification exams.

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**ABOUT THE AUTHOR**

**Curtis Waguespack**, an Inventor Expert Elite and Autodesk Certified Instructor, has taught Inventor in the classroom and consulted with and supported manufacturing and design firms in industries ranging from aerospace to consumer products and industrial machinery. He uses Inventor daily in a real-world environment to design and document various product types, and maintains the popular "From the Trenches" Inventor blog ([inventortrenches.blogspot.com](http://inventortrenches.blogspot.com)).

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