



Engineering Graphics with SolidWorks 2010 and Multimedia CD

By David C. Planchard, Marie P. Planchard

Download now

Read Online 

Engineering Graphics with SolidWorks 2010 and Multimedia CD By David C. Planchard, Marie P. Planchard

Engineering Graphics with SolidWorks 2010 is written to assist a technical school, two year college, four year university instructor/student or industrial professional that is a beginner or intermediate SolidWorks user. The book combines the fundamentals of engineering graphics and dimensioning practices with a step-by-step project based approach to learning SolidWorks with an enclosed 1.5 hour multimedia CD. Learn by doing, not just reading!

The book is divided into two parts: Engineering Graphics and SolidWorks 3D CAD Software. In chapter 1 through chapter 3, you explore the history of engineering graphics, manual sketching techniques, orthographic projection, isometric projection, multi-view drawings, dimensioning practices and the history of CAD leading to the development of SolidWorks.

In chapter 4 through chapter 8, you apply engineering graphics fundamentals and learn the SolidWorks User Interface, Document and System properties, simple parts, simple and complex assemblies, design tables, configurations, multi-sheet, multi-view drawings, Bill of Materials, Revision tables, basic and advanced features. Follow the step-by-step instructions in over 70 activities to develop eight parts, four sub-assemblies, three drawings, and six document properties. Formulate the skills to create and modify solid features to model a 3D FLASHLIGHT assembly. Chapter 9 provides a bonus section on the Certified SolidWorks Associate CSWA program with sample exam questions and initial and final SolidWorks Models. Passing the CSWA exam proves to employers that you have the necessary fundamental engineering graphics and SolidWorks competencies.

Review individual features, commands, and tools for each project with the book's 1.5 hour multimedia CD and SolidWorks Help. The project exercises analyze and examine usage competencies based on the project objectives. The book is designed to compliment the SolidWorks Tutorials located in the SolidWorks Help menu. Each section explores the SolidWorks Online User's Guide to build you working knowledge of SolidWorks.

Desired outcomes and usage competencies are listed for each project. Know your objectives up front. Follow the step-by-step procedures to achieve your design

goals. work between multiple documents, features, commands, and properties that represent how engineers and designers utilize SolidWorks in industry. The authors developed the industry scenarios by combining their own industry experience with the knowledge of engineers, department managers, vendors, and manufacturers. These professionals are directly involved with SolidWorks every day. Their responsibilities go far beyond the creation of just a 3D model.

Table of Contents

Introduction

2. History of Engineering Graphics

3. Isometric Projection and Multi View Drawings

4. Dimensioning Practices

5. Introduction to SolidWorks Part Modeling

6. Revolved Features

7. Sweep, Loft and Additional Features

8. Assembly Modeling

9. Fundamentals of Drawing

10. Introduction to the Certified SolidWorks Associate Exam

Appendix

Index

 [Download Engineering Graphics with SolidWorks 2010 and Mult ...pdf](#)

 [Read Online Engineering Graphics with SolidWorks 2010 and Mu ...pdf](#)

Engineering Graphics with SolidWorks 2010 and Multimedia CD

By David C. Planchard, Marie P. Planchard

Engineering Graphics with SolidWorks 2010 and Multimedia CD By David C. Planchard, Marie P. Planchard

Engineering Graphics with SolidWorks 2010 is written to assist a technical school, two year college, four year university instructor/student or industrial professional that is a beginner or intermediate SolidWorks user. The book combines the fundamentals of engineering graphics and dimensioning practices with a step-by-step project based approach to learning SolidWorks with an enclosed 1.5 hour multimedia CD. Learn by doing, not just reading!

The book is divided into two parts: Engineering Graphics and SolidWorks 3D CAD Software. In chapter 1 through chapter 3, you explore the history of engineering graphics, manual sketching techniques, orthographic projection, isometric projection, multi-view drawings, dimensioning practices and the history of CAD leading to the development of SolidWorks.

In chapter 4 through chapter 8, you apply engineering graphics fundamentals and learn the SolidWorks User Interface, Document and System properties, simple parts, simple and complex assemblies, design tables, configurations, multi-sheet, multi-view drawings, Bill of Materials, Revision tables, basic and advanced features. Follow the step-by-step instructions in over 70 activities to develop eight parts, four sub-assemblies, three drawings, and six document properties. Formulate the skills to create and modify solid features to model a 3D FLASHLIGHT assembly. Chapter 9 provides a bonus section on the Certified SolidWorks Associate CSWA program with sample exam questions and initial and final SolidWorks Models. Passing the CSWA exam proves to employers that you have the necessary fundamental engineering graphics and SolidWorks competencies.

Review individual features, commands, and tools for each project with the book's 1.5 hour multimedia CD and SolidWorks Help. The project exercises analyze and examine usage competencies based on the project objectives. The book is designed to compliment the SolidWorks Tutorials located in the SolidWorks Help menu. Each section explores the SolidWorks Online User's Guide to build you working knowledge of SolidWorks.

Desired outcomes and usage competencies are listed for each project. Know you objectives up front. Follow the step-by-step procedures to achieve your design goals. work between multiple documents, features, commands, and properties that represent how engineers and designers utilize SolidWorks in industry. The authors developed the industry scenarios by combining their own industry experience with the knowledge of engineers, department managers, vendors, and manufacturers. These professionals are directly involved with SolidWorks every day. Their responsibilities go far beyond the creation of just a 3D model.

Table of Contents

Introduction

2. History of Engineering Graphics

3. Isometric Projection and Multi View Drawings

4. Dimensioning Practices

5. Introduction to SolidWorks Part Modeling

6. Revolved Features

7. Sweep, Loft and Additional Features

8. Assembly Modeling
9. Fundamentals of Drawing
10. Introduction to the Certified SolidWorks Associate Exam
Appendix
Index

Engineering Graphics with SolidWorks 2010 and Multimedia CD By David C. Planchard, Marie P. Planchard Bibliography

- Sales Rank: #1823197 in Books
- Brand: Brand: Schroff Development Corporation
- Published on: 2010-02-22
- Original language: English
- Number of items: 1
- Dimensions: 10.75" h x 8.50" w x 1.00" l, 2.50 pounds
- Binding: Perfect Paperback
- 468 pages

 [Download Engineering Graphics with SolidWorks 2010 and Mult ...pdf](#)

 [Read Online Engineering Graphics with SolidWorks 2010 and Mu ...pdf](#)

Download and Read Free Online Engineering Graphics with SolidWorks 2010 and Multimedia CD By David C. Planchard, Marie P. Planchard

Editorial Review

About the Author

David Planchard is the Founder of D&M Education LLC. Before starting D&M Education, he spent over 27 years in industry and academia holding various engineering, marketing, and teaching positions and degrees. He holds five U.S. patents and one International patent. He has published and authored numerous papers on Machine Design, Product Design, Mechanics of Materials, and Solid Modeling. He is an active member of the SolidWorks Users Group and the American Society of Engineering Education (ASEE). David holds a BSME, MSM with the following Professional Certifications: CCAI, CCNA, CCNP, and CSWA. David is a SolidWorks Solution Partner and an Adjunct Faculty member at Worcester Polytechnic Institute in the Mechanical Engineering department.

Marie Planchard is the Director of World Education Markets at SolidWorks Corporation. Before she joined SolidWorks, Marie spent over 10 years as an engineering professor at Mass Bay College in Wellesley Hills, MA. She has 14 plus years of industry software experience and held a variety of management and engineering positions. Marie holds a BSME, MSME and a Certified SolidWorks Professional (CSWP) Certification. She is an active member of the American Society of Mechanical Engineers (ASME) and the American Society for Engineering Education (ASEE).

David and Marie Planchard are co-authors of the following books:

- A Commands Guide for SolidWorks 2010, 2009, 2008, and 2007
- Assembly Modeling with SolidWorks 2010, 2008, 2006, 2005-2004, 2003 and 2001Plus
- Drawing and Detailing with SolidWorks 2010, 2009, 2008, 2007, 2006, 2005, 2004, 2003, 2002 and 2001/2001Plus
- Engineering Design with SolidWorks with Multimedia CD 2010, 2009, 2008, 2007, 2006, 2005, 2004, 2003, 2001Plus, 2001 and 1999
- Engineering Graphics with SolidWorks 2010 with Multimedia CD
- SolidWorks: The Basics with Multimedia CD 2009, 2008, 2007, 2006, 2005, 2004 and 2003
- SolidWorks Tutorial with Multimedia CD 2010, 2009, 2008, 2007, 2006, 2005, 2004, 2003 and 2001/2001Plus
- The Fundamentals of SolidWorks: Featuring the VEXplorer robot, 2008 and 2007
- Official Certified SolidWorks Associate Examination Guide, Version 2, Version 1
- Applications in Sheet Metal Using Pro/SHEETMETAL & Pro/ENGINEER

Users Review

From reader reviews:

Patrick Richards:

This book entitled Engineering Graphics with SolidWorks 2010 and Multimedia CD to be one of several books in which best seller in this year, here is because when you read this book you can get a lot of benefit on it. You will easily to buy that book in the book store or you can order it by means of online. The publisher on this book sells the e-book too. It makes you easier to read this book, since you can read this book in your Cell phone. So there is no reason for you to past this reserve from your list.

Martina Smith:

The book untitled Engineering Graphics with SolidWorks 2010 and Multimedia CD contain a lot of information on the item. The writer explains your girlfriend idea with easy approach. The language is very straightforward all the people, so do not really worry, you can easy to read this. The book was compiled by famous author. The author will bring you in the new period of literary works. You can actually read this book because you can continue reading your smart phone, or program, so you can read the book within anywhere and anytime. In a situation you wish to purchase the e-book, you can open their official web-site as well as order it. Have a nice examine.

Joseph Barnett:

This Engineering Graphics with SolidWorks 2010 and Multimedia CD is brand new way for you who has curiosity to look for some information since it relief your hunger associated with. Getting deeper you into it getting knowledge more you know or else you who still having small amount of digest in reading this Engineering Graphics with SolidWorks 2010 and Multimedia CD can be the light food for you personally because the information inside this particular book is easy to get simply by anyone. These books produce itself in the form that is reachable by anyone, yes I mean in the e-book web form. People who think that in book form make them feel sleepy even dizzy this e-book is the answer. So there isn't any in reading a reserve especially this one. You can find what you are looking for. It should be here for a person. So , don't miss this! Just read this e-book sort for your better life as well as knowledge.

Brian Scheele:

Reading a e-book make you to get more knowledge as a result. You can take knowledge and information originating from a book. Book is published or printed or highlighted from each source this filled update of news. On this modern era like now, many ways to get information are available for anyone. From media social including newspaper, magazines, science guide, encyclopedia, reference book, book and comic. You can add your knowledge by that book. Isn't it time to spend your spare time to spread out your book? Or just in search of the Engineering Graphics with SolidWorks 2010 and Multimedia CD when you desired it?

Download and Read Online Engineering Graphics with SolidWorks 2010 and Multimedia CD By David C. Planchard, Marie P. Planchard #S8UI63VD5C7

Read Engineering Graphics with SolidWorks 2010 and Multimedia CD By David C. Planchard, Marie P. Planchard for online ebook

Engineering Graphics with SolidWorks 2010 and Multimedia CD By David C. Planchard, Marie P. Planchard Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Engineering Graphics with SolidWorks 2010 and Multimedia CD By David C. Planchard, Marie P. Planchard books to read online.

Online Engineering Graphics with SolidWorks 2010 and Multimedia CD By David C. Planchard, Marie P. Planchard ebook PDF download

Engineering Graphics with SolidWorks 2010 and Multimedia CD By David C. Planchard, Marie P. Planchard Doc

Engineering Graphics with SolidWorks 2010 and Multimedia CD By David C. Planchard, Marie P. Planchard Mobipocket

Engineering Graphics with SolidWorks 2010 and Multimedia CD By David C. Planchard, Marie P. Planchard EPub