Google Drive



Engineering Design with SOLIDWORKS 2016 and Video Instruction

David Planchard

Download now

Click here if your download doesn"t start automatically

Engineering Design with SOLIDWORKS 2016 and Video Instruction

David Planchard

Engineering Design with SOLIDWORKS 2016 and Video Instruction David Planchard

Engineering Design with SOLIDWORKS 2016 and video instruction is written to assist students, designers, engineers and professionals. The book provides a solid foundation in SOLIDWORKS by utilizing projects with step-by-step instructions for the beginner to intermediate SOLIDWORKS user. Explore the user interface, CommandManager, menus, toolbars and modeling techniques to create parts, assemblies and drawings in an engineering environment.

Follow the step-by-step instructions and develop multiple parts and assemblies that combine machined, plastic and sheet metal components. Formulate the skills to create, modify and edit sketches and solid features.

Learn the techniques to reuse features, parts and assemblies through symmetry, patterns, copied components, Design Tables, Bills of Materials, Custom Properties and Configurations. Address various SOLIDWORKS analysis tools and Intelligent Modeling techniques along with Additive Manufacturing (3D printing). Learn by doing not just by reading.

Desired outcomes and usage competencies are listed for each project. Know your objective up front. Follow the steps in Projects 1 - 9 to achieve the design goals.

Review Project 10 on Additive Manufacturing (3D printing) and its benefits and features. Understand the terms and technology used in low cost 3D printers.

Work between multiple documents, features, commands and custom properties that represent how engineers and designers utilize SOLIDWORKS in industry.

Review individual features, commands and tools with the Video Instruction. The projects contain exercises. The exercises analyze and examine usage competencies. Collaborate with leading industry suppliers such as SMC Corporation of America, Boston Gear and 80/20 Inc.

Collaborative information translates into numerous formats such as paper drawings, electronic files, rendered images and animations. On-line intelligent catalogs guide designers to the product that meets both their geometric requirements and performance functionality.

The author developed the industry scenarios by combining his 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.

The book is designed to compliment the SOLIDWORKS Tutorials contained in SOLIDWORKS 2016.

Table of Contents

Introduction
1. Overview of SOLIDWORKS and the User Interface

2. Fundamentals of Part Modeling
3. Fundamentals of Assembly Modeling
4. Fundamentals of Drawing
5. Extrude and Revolve Features
6. Swept, Lofted and Additional Features
7. Top Down Assembly Modeling and Sheet Metal Parts
8. SOLIDWORKS Simulation
9. Intelligent Modeling Techniques
10. Additive Manufacturing - 3D Printing
Appendix
Glossary
Index

Download Engineering Design with SOLIDWORKS 2016 and Video ...pdf

Read Online Engineering Design with SOLIDWORKS 2016 and Vide ...pdf

Download and Read Free Online Engineering Design with SOLIDWORKS 2016 and Video Instruction David Planchard

---

From reader reviews:

Nancy Jackson:

Have you spare time for the day? What do you do when you have much more or little spare time? Yeah, you can choose the suitable activity to get spend your time. Any person spent their particular spare time to take a go walking, shopping, or went to the actual Mall. How about open or even read a book entitled Engineering Design with SOLIDWORKS 2016 and Video Instruction? Maybe it is to become best activity for you. You understand beside you can spend your time together with your favorite's book, you can cleverer than before. Do you agree with its opinion or you have some other opinion?

Gayle Meek:

The book Engineering Design with SOLIDWORKS 2016 and Video Instruction can give more knowledge and also the precise product information about everything you want. So why must we leave the good thing like a book Engineering Design with SOLIDWORKS 2016 and Video Instruction? Wide variety you have a different opinion about guide. But one aim that book can give many info for us. It is absolutely appropriate. Right now, try to closer together with your book. Knowledge or facts that you take for that, you are able to give for each other; it is possible to share all of these. Book Engineering Design with SOLIDWORKS 2016 and Video Instruction has simple shape but the truth is know: it has great and large function for you. You can appearance the enormous world by available and read a e-book. So it is very wonderful.

Jonathan Sanders:

Information is provisions for anyone to get better life, information nowadays can get by anyone at everywhere. The information can be a knowledge or any news even a huge concern. What people must be consider while those information which is from the former life are challenging be find than now could be taking seriously which one would work to believe or which one the resource are convinced. If you obtain the unstable resource then you get it as your main information it will have huge disadvantage for you. All of those possibilities will not happen in you if you take Engineering Design with SOLIDWORKS 2016 and Video Instruction as your daily resource information.

Joaquin Bedard:

You can spend your free time you just read this book this guide. This Engineering Design with SOLIDWORKS 2016 and Video Instruction is simple to create you can read it in the park your car, in the beach, train and soon. If you did not have got much space to bring the printed book, you can buy often the e-book. It is make you quicker to read it. You can save typically the book in your smart phone. So there are a lot of benefits that you will get when you buy this book.

Download and Read Online Engineering Design with SOLIDWORKS 2016 and Video Instruction David Planchard #VNEHWB2OPTC

Read Engineering Design with SOLIDWORKS 2016 and Video Instruction by David Planchard for online ebook

Engineering Design with SOLIDWORKS 2016 and Video Instruction by David 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 Design with SOLIDWORKS 2016 and Video Instruction by David Planchard books to read online.

Online Engineering Design with SOLIDWORKS 2016 and Video Instruction by David Planchard ebook PDF download

Engineering Design with SOLIDWORKS 2016 and Video Instruction by David Planchard Doc

Engineering Design with SOLIDWORKS 2016 and Video Instruction by David Planchard Mobipocket

Engineering Design with SOLIDWORKS 2016 and Video Instruction by David Planchard EPub