



## **Solid Edge ST8 for Designers, 13th Edition**

*Prof Sham Tickoo Purdue Univ, CAD/CIM Technologies*

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# Solid Edge ST8 for Designers, 13th Edition

*Prof Sham Tickoo Purdue Univ, CAD/CIM Technologies*

**Solid Edge ST8 for Designers, 13th Edition** Prof Sham Tickoo Purdue Univ, CAD/CIM Technologies  
Solid Edge ST8 for Designers textbook introduces the readers to Solid Edge ST8, which is one of the world's leading parametric solid modeling packages. This book consists of 15 chapters structured in a pedagogical sequence, covering the Part, Assembly, Drafting and Sheet Metal environments of Solid Edge ST8. Both Synchronous and Ordered environments are discussed throughout this book. In this textbook, the 3D Sketching is also discussed in both Synchronous and Ordered environments. It combines the speed and flexibility of modeling with precise control of dimension driven design, thereby generating tremendous productivity gains over traditional methods. Additionally, in this textbook, the author emphasizes on the solid modeling and editing techniques that enhance the productivity and efficiency of the users. Every chapter begins with a tools section that provides a brief information of the Solid Edge tools. Each chapter provides you with tutorials that are created using the commands discussed in the chapter. This approach allows the user to use this book initially as a learning tool and then as a reference material.

Following are the additional features of this book:

Consists of 15 chapters that are organized in a pedagogical sequence.

Comprehensive coverage of Solid Edge ST8 concepts and techniques.

Tutorial approach to explain the concepts of Solid Edge ST8.

Detailed explanation of all commands and tools.

Summarized content on the first page of the topics that are covered in the chapter.

Hundreds of illustrations for easy understanding of concepts.

Step-by-step instructions to guide the users through the learning process.

More than 50 real-world mechanical engineering designs as tutorials, 45 as exercises, and projects with step-by-step explanation.

Additional information throughout the book in the form of notes and tips.

Self-Evaluation Tests and Review Questions at the end of each chapter to help the users assess their knowledge.

Technical support by contacting [techsupport@cadcam.com](mailto:techsupport@cadcam.com).

Additional learning resources at <http://allaboutcadcam.blogspot.com>.

Brief Table of Contents

Chapter 1: Introduction to Solid Edge ST8

Chapter 2: Drawing Sketches for Solid Models

Chapter 3: Adding Relationships and Dimensions to Sketches

Chapter 4: Editing, Extruding, and Revolving the Sketches

Chapter 5: Working with Additional Reference Geometries

Chapter 6: Advanced Modeling Tools-I

Chapter 7: Editing Features

Chapter 8: Advanced Modeling Tools-II

Chapter 9: Advanced Modeling Tools-III

Chapter 10: Assembly Modeling-I

Chapter 11: Assembly Modeling-II

Chapter 12: Generating, Editing, and Dimensioning Drawing Views

Chapter 13: Surface Modeling

Chapter 14: Sheet Metal Design

Chapter 15: Student Projects

Index

Free Teaching and Learning Resources:

CADCIM Technologies provides the following free teaching and learning resources with this textbook:

- Technical support by contacting [techsupport@cadcim.com](mailto:techsupport@cadcim.com)
  - Part files used in tutorials, exercises\*, and illustrations
  - Customizable PowerPoint Presentations of every chapter (For faculty only)
  - Instructor Guide with solution to all review questions and instructions to create the models for exercises (For faculty only)
  - Additional learning resources at <http://allaboutcadcam.blogspot.com> and [youtube.com/cadcimtech](http://youtube.com/cadcimtech)
- (\* For faculty only)

About the Authors:

CADCIM Technologies, Prof. Sham Tickoo of Purdue University Calumet, and the team of dedicated contributing authors at CADCIM Technologies are committed to bring you the best textbooks and free teaching and learning resources on Computer Aided Design and Manufacturing (CAD/CAM), Computer Programming and Applications, GIS, Civil, Animation and Visual Effects, and related technologies. We strive to be the first and the best. That is our promise and our goal.

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