



# Unlock Your Creativity with Autodesk Inventor Professional 2021 For Designers 21st Edition

**Free Companion Website**



Consists of 888 (814 + 222\*\*) pages covering the Part, Assembly, Drawing, Presentation, Sheet Metal, Weldments, Stress Analysis, and Mold Design modules of Autodesk Inventor.  
(\* Pages for free download)

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**Revised & Updated Edition**

## Autodesk Inventor Professional 2021 for Designers, 21<sup>st</sup> Edition

**Includes Stress Analysis and Mold Design**

**Free Resources for Faculty and Students**

- Online technical support by contacting [techsupport@cad/cim.com](mailto:techsupport@cad/cim.com)
- Part files used in tutorials, exercises\*, and illustrations
- Instructor Guide with solutions to all review questions and exercises\*
- Additional learning resources at [Mpg://www.cad/cim.com/Support.com](http://Mpg://www.cad/cim.com/Support.com) (\* for faculty only)



**AUTODESK**  
Autodesk Inventor

**Sham Tickoo**  
Purdue University Northwest, USA

The world of design has been revolutionized by the of 3D modeling software. One such powerful tool that has gained immense popularity among designers and engineers is Autodesk Inventor Professional. With its latest 2021 release,

Inventor Professional continues to surpass expectations in terms of functionality, versatility, and ease of use.

## Understanding Autodesk Inventor Professional 2021

Autodesk Inventor Professional 2021 is a comprehensive 3D modeling and design software that enables users to create, visualize, and simulate their ideas before bringing them to life. With a wide range of tools and features, this software allows designers to push the boundaries of their creativity and take their designs to the next level.



## Autodesk Inventor Professional 2021 for Designers, 21st Edition

by Prof. Sham Tickoo Purdue Univ. ([Print Replica] Kindle Edition)

★★★★☆ 4.5 out of 5

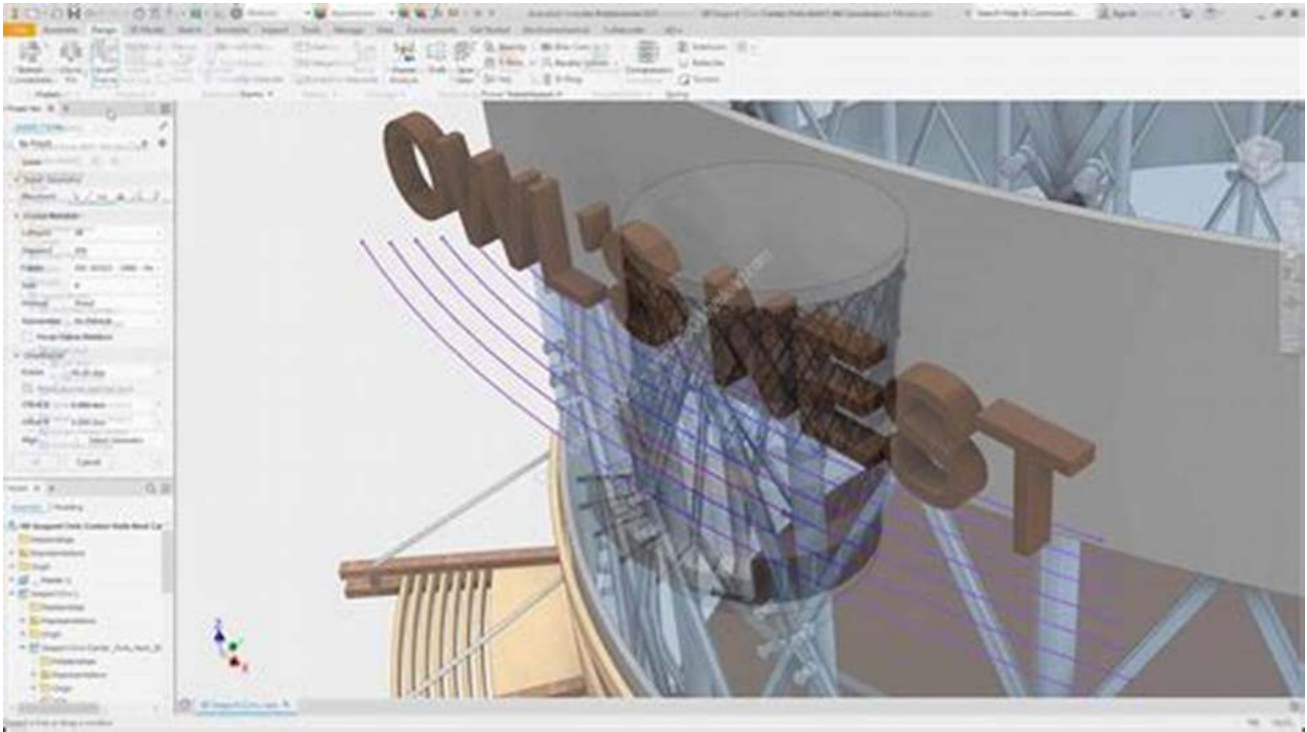
Language : English

File size : 31832 KB

Screen Reader : Supported

Print length : 67 pages





Whether you are an experienced professional or just starting on your design journey, Inventor Professional 2021 caters to all levels of expertise. Its intuitive interface and user-friendly tools make it accessible to beginners, while its advanced capabilities provide endless possibilities for experienced designers.

## What's New in the 21st Edition?

The 21st edition of Autodesk Inventor Professional brings a plethora of new features and enhancements that further enhance its capabilities. Some of the key improvements include:

- **Enhanced Drawing Tools:** The new edition introduces improved drawing tools, providing greater precision and control over your designs.
- **Advanced Simulation Capabilities:** With enhanced simulation features, designers can perform complex analyses and validate the performance of their designs before prototyping.

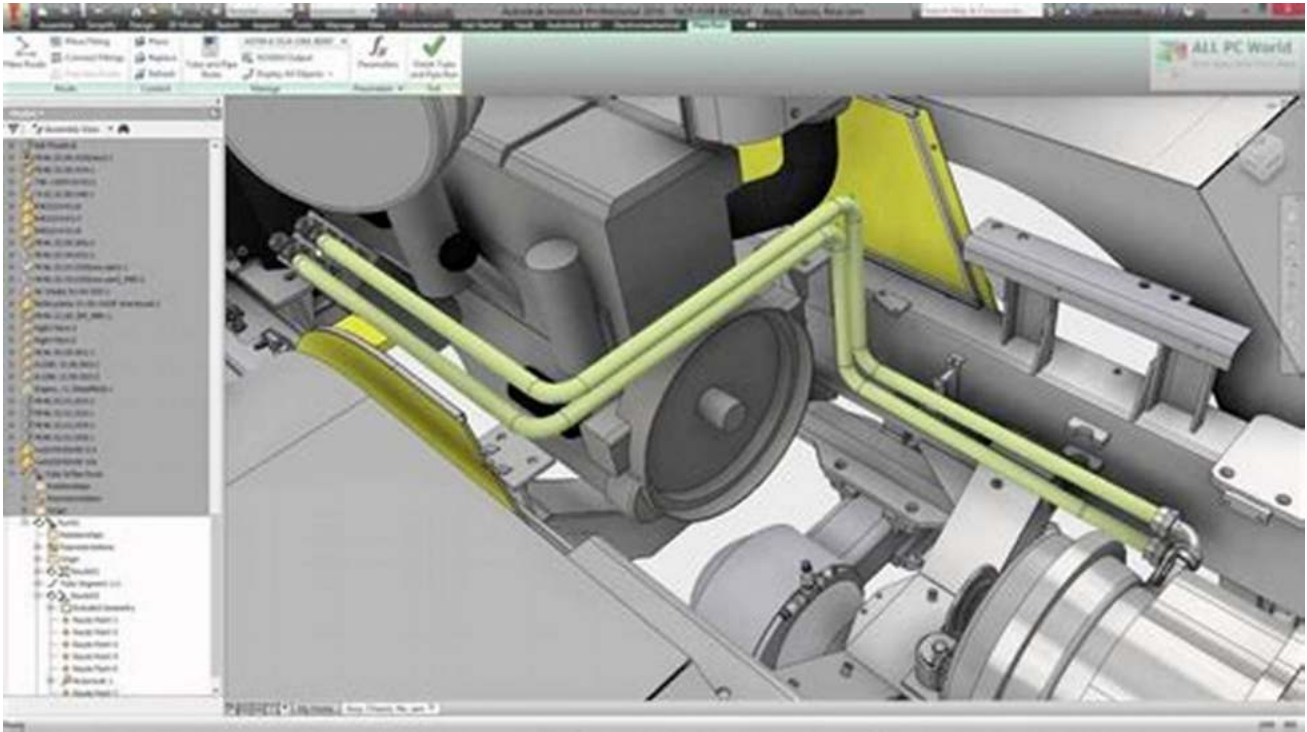
- **Increased Collaboration:** The software now offers improved collaboration features, allowing teams to work seamlessly together, regardless of their location.
- **Integration with Other Autodesk Products:** Autodesk Inventor Professional 2021 seamlessly integrates with other Autodesk software, enabling a more streamlined design and manufacturing process.
- **Enhanced Visualization:** The new edition introduces advanced visualization capabilities, making it easier for designers to present their ideas and concepts to clients and stakeholders.



## Why Choose Autodesk Inventor Professional 2021?

Autodesk Inventor Professional 2021 stands out as the preferred choice for designers and engineers for several reasons:

1. **Powerful Design Tools:** The software offers an extensive array of design tools and features, allowing users to bring their creative visions to life.
2. **Streamlined Workflows:** Autodesk Inventor Professional 2021 streamlines the entire design process, enabling designers to work more efficiently and effectively.
3. **Unmatched Compatibility:** The software ensures compatibility across platforms, making it easier to collaborate with team members and stakeholders.
4. **Improved Productivity:** With the advanced features and capabilities of Inventor Professional, designers can boost their productivity and achieve better results in less time.
5. **Continuous Updates and Support:** Autodesk is committed to providing regular updates and support for their software, ensuring users have access to the latest features and troubleshooting assistance.
6. **Industry Recognition:** Autodesk Inventor Professional has gained industry recognition for its innovation and reliability, making it a trusted choice among professionals.



Autodesk Inventor Professional 2021 For Designers, 21st Edition, is a game-changing software that empowers designers to unleash their creativity and turn their ideas into reality. With its advanced tools, improved features, and seamless integration, Inventor Professional is a valuable asset for design teams across various industries.

Invest in Autodesk Inventor Professional 2021 today and experience the limitless possibilities it offers in your design journey. Let your imagination soar and create masterpieces that leave a lasting impact!

Image Credits: Pixabay

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Autodesk Inventor Professional 2021 for Designers is a comprehensive book that introduces the users to Autodesk Inventor 2021, a feature-based 3D parametric solid modeling software. All environments of this solid modelling software are covered in this book with a thorough explanation of commands, options, and their applications to create real-world products. The mechanical engineering industry examples that are used as tutorials and the related additional exercises at the end of each chapter help the users to understand the design techniques used in the industry to design a product. Additionally, the author emphasizes on the solid modelling techniques that will improve the productivity and efficiency of the users. After reading this book, the users will be able to create solid parts, sheet metal parts, assemblies, weldments, drawing views with bill of materials, presentation views to animate the assemblies and apply direct modelling techniques to facilitate rapid design prototyping. Also, the users will learn the editing techniques that are essential for making a successful design.

### **Salient Features:**

- Comprehensive book consisting of 19 chapters organized in a pedagogical sequence.
- Detailed explanation of all concepts, techniques, commands, and tools of Autodesk Inventor Professional 2021.

- Tutorial approach to explain the concepts.
- Step-by-step instructions that guide the users through the learning process.
- Real-world mechanical engineering designs as tutorials and projects.
- Self-Evaluation Test, Review Questions, and Exercises are given at the end of the chapters

## **Table of Contents**

Chapter 1:

Chapter 2: Drawing Sketches for Solid Models

Chapter 3: Adding Constraints and Dimensions to Sketches

Chapter 4: Editing, Extruding, and Revolving the Sketches

Chapter 5: Other Sketching and Modeling Options

Chapter 6: Advanced Modeling Tools-I

Chapter 7: Editing Features and Adding Automatic Dimensions to Sketches

Chapter 8: Advanced Modeling Tools-II

Chapter 9: Assembly Modeling-I

Chapter 10: Assembly Modeling-II

Chapter 11: Working with Drawing Views-I

Chapter 12: Working with Drawing Views-II

Chapter 13: Presentation Module

Chapter 14: Working with Sheet Metal Components

Chapter 15: to Stress Analysis

Chapter 16: to Weldments (For free download)

Chapter 17: Miscellaneous Tools (For free download)

Chapter 18: Working with Special Design Tools For free download)

Chapter 19: to Plastic Mold Design (For free download)

Index



## **Free Teaching and Learning Resources:**

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

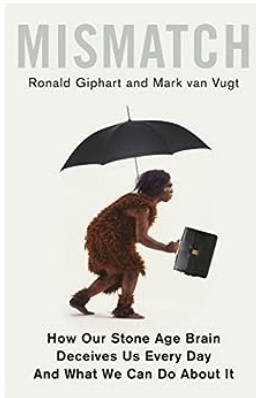
- Technical support by contacting [techsupport@cadcim.com](mailto:techsupport@cadcim.com)
- Part files used in examples, exercises\*, and illustrations
- Instructor Guide with solution to all review questions and exercises \*
- Additional learning resources at <https://allaboutcadcam.blogspot.com> and [youtube.com/cadcimtech](https://youtube.com/cadcimtech)

(\* For Faculty only)

## **About the Authors:**

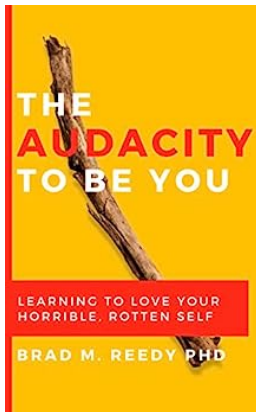
CADCIM Technologies, Prof. Sham Tickoo of Purdue University Northwest, and the team of dedicated contributing authors at CADCIM Technologies are committed to bring you the best Textbooks, eBooks, and free teaching and learning resources on CAD/CAM/CAE, Computer Programming & Applications, GIS, Civil, Animation & VFX, and related technologies. We strive to be the first and the best. That is our promise and our goal.

Our team of authors consists of highly qualified and experienced engineers, animation and VFX artists who have a strong academic and industrial background. They understand the needs of the students, the faculty, and the challenges the students face when they start working in industry.



## Unveiling the Tricks of Our Stone Age Brain: How it Deceives Us Every Day and How to Outsmart It

Have you ever wondered why we, as modern humans, sometimes make poor decisions or act in ways that are contrary to our long-term goals? The answer may lie in our ancient...



## The Audacity To Be You: Embracing Your Authentic Self

Have you ever felt the pressure to fit in, conform to societal norms, or be someone you're not? It's time to break free from those chains and embrace the audacity to be you....



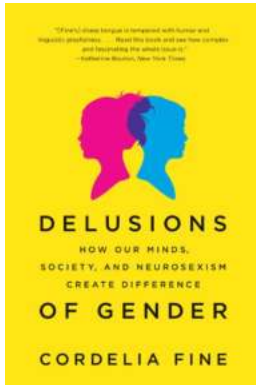
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Women are often considered mysterious creatures, with men often having a hard time understanding what goes on in their minds. However, effective communication is crucial in...



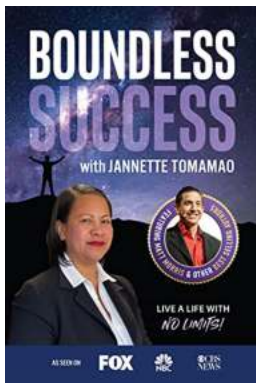
## Live Viral Vaccines: Still Frontrunners or Obsolete?

As the world continues to grapple with the COVID-19 pandemic, the development and distribution of vaccines have become paramount. Among various types of vaccines, live viral...



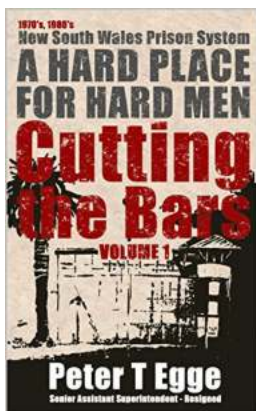
## How Our Minds, Society, and Neurosexism Create Difference

Have you ever wondered why men and women often exhibit distinct behavior patterns? Or why certain professions are dominated by a specific gender? The answer lies within the...



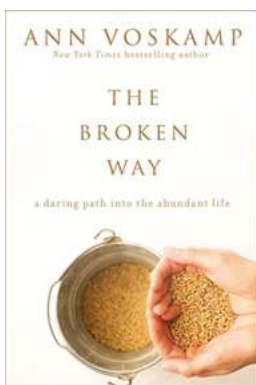
## Boundless Success With Jannette Tomamao

Success is a goal that many aspire to achieve, yet only a few manage to conquer. However, when it comes to boundless success, there is one name that...



## Hard Place For Hard Men: Embracing Challenges

If you believe life is all about comfort and ease, think again. In a world that constantly throws challenges our way, it is the hard place where real hard men...



## The Broken Way With Bonus Content: Discover the Healing Power of Embracing Your Brokenness

Are you tired of feeling like you have to have it all together all the time? Do you ever wish someone understood the struggles you face? Well, we have some good...

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