



# Beginner's Guide to SolidWorks 2006

*Alejandro Reyes*

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The purpose of **Beginner's Guide to SolidWorks 2006** is to help the user learn the basic concepts of SolidWorks and good solid modeling practices in an easy to follow guide. It is intended for the new SolidWorks user, users with experience in different CAD systems, or as a teaching aid in classroom training. At the end of this book, the user will have a good understanding of the SolidWorks interface and the most commonly used commands for part modeling, assembly and detailing by completing a project designing all the components, their 2D drawings and assembly drawings complete with Bill of Materials. The book is focused on the processes to complete the design of a part, instead of focusing on individual software commands or operations, which are generally simple enough to learn.

## **CONTENTS:**

### **Introduction**

### **The SolidWorks Interface**

### **Part Modeling**

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- The Side Cover
- The Top Cover
- The Offset Shaft
- The Worm Gear
- The Worm Gear Shaft

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#### ABOUT THE AUTHOR:

**Alejandro Reyes** obtained his engineering degree from the Instituto Tecnológico de Ciudad Juárez in Mexico as an electro-mechanical engineer; upon finishing he obtained a scholarship for a Masters Degree in the University of Texas at El Paso in mechanical design, with strong focus in Materials Science and Finite Element Analysis.

Currently Alejandro is the President of MechaniCAD Inc., a SolidWorks Authorized Training, Testing and Support Center in El Paso, Texas and Juarez, Mexico. He has been a Certified SolidWorks Instructor and Support Technician since 1998, Certified SolidWorks Professional and COSMOSWorks Certified Support Technician.

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