

# Autodesk Inventor 2010

## Transitioning from Autodesk Inventor 2009

### Description

Learn the new and enhanced functionalities and workflows in Autodesk® Inventor® 2010. Using the new interface, learn how to become more efficient at creating digital prototypes using multi-body, plastic part, and sheet metal design tools. In addition, learn about the assembly modeling productivity enhancements which include restructure, shrinkwrap, and assembly folders. Also learn how to take advantage of the Content Center, production drawing, analysis, translation, and data exchange enhancements within Autodesk Inventor 2010. Hands-on exercises representing real-world, industry-specific design scenarios are included.

<b>Pages</b>	488
<b>Trial CD</b>	Yes
<b>Onscreen Exercises</b>	Yes
<b>Prerequisites</b>	A working knowledge of the following: <ul style="list-style-type: none"><li>• Autodesk Inventor parametric part design, assembly design, and documentation.</li><li>• Microsoft® Windows® Vista or Microsoft® Windows® XP.</li></ul>

### Class Information

<b>Suggested Duration</b>	3 days
<b>Objective</b>	Bring Autodesk Inventor 2009 users up to date with Autodesk Inventor 2010 enhancements.
<b>Who Should Attend</b>	Current Autodesk Inventor users upgrading to Autodesk Inventor 2010 from Autodesk Inventor 2009.

## **In this Guide**

### **Inventor 2010 User Interface**

- Navigating the Interface
- Viewing and Working with Designs

### **Top-Down Design**

- Skeletal Modeling
- Multi-body Parts
- Derive, Combine, Split, and Move Bodies
- Make Part and Make Components

### **Plastic and Cast Part Design**

- Grills
- Bosses
- Rests
- Rule Fillets
- Lips Along an Edge
- Hooks and Loop Snap Fits

### **Sheet Metal Parts**

- Lofted Flanges, Rips, and Contour Roll Features
- Unfold/Refold
- Additional Sheet Metal Enhancements
- Cosmetic Centerlines and Bend Order

### **Additional Part and Sketch Enhancements**

- iFeatures
- Various Part and Sketch Enhancements
- User Coordinate System

### **Assembly Design**

- Assembly Productivity
- Shrinkwrap Design Data
- Design Accelerator Enhancements
- Assortment of Assembly Enhancements

### **Content Center**

- Content Center Installation
- Family Configuration
- Place Library Components

### **Production Drawings**

- Drawing View Enhancements
- Drawing Annotations Enhancements

<http://www.amsystems.com/training/>

## **Analysis and Inquiry**

- Design Analysis through Simulation
- Stress Analysis of an Assembly
- Parametric Studies
- Results and Animation

## **Data and Geometry Translation and Exchange**

- Derive Alias Design Geometry
- Import and Export
- AEC Exchange

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**Note:** The suggested class duration is a guideline. Topics and duration may be modified by the instructor based upon the knowledge and skill level of the class participants.

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