AMS
CAD + CAFM SOLUTIONS

Autodesk® Official Training Guide

Autodesk Inventor LT
Learning Autodesk Inventor LT

Description

Learn the fundamental principles of 3D parametric part design and creating production-ready part drawings using Autodesk® Inventor® LT. Hands-on exercises representing real-world, industry-specific design scenarios are included.

Pages	Vol.1 - 406; Vol. 2 - 338
Trial CD	Yes
Onscreen Exercises	Yes
Prerequisites	No previous CAD experience is necessary. Working knowledge of the following: • Drafting, design, or mechanical engineering principles. • Microsoft® Windows® Vista or Microsoft® Windows® XP.

Class Information

Suggested Duration	3 days
Objective	Provide users with a thorough understanding of the principal 3D design, and documentation processes necessary for developing products using Autodesk Inventor LT. After completion, users will: • Capture design intent by using the proper techniques and recommended workflows for creating intelligent 3D parametric parts. • Document designs using base, projected, section, detail, and isometric drawing views. • Follow drafting standards while dimensioning and annotating drawing views.
Who Should Attend	New Autodesk Inventor LT users.

In this Guide

Getting Started
- Autodesk Inventor LT User Interface
- View Manipulation
- Designing Parametric Parts

Basic Sketching Techniques
- Creating 2D Sketches
- Geometric Constraints
- Dimensioning Sketches

Basic Shape Design
- Creating Basic Sketched Features
- Intermediate Sketching
- Editing Parametric Parts
- 3D Grip Editing
- Creating Work Features
- Creating Basic Swept Shapes

Basic View Creation
- Drawing Creation Environment
- Base and Projected Views
- Section Views
- Detail Views
- Crop Views
- Managing Views

Dimensions
- Automated Dimensioning Techniques
- Manual Dimensioning Techniques

Detailed Shape Design
- Creating Chamfers and Fillets
- Creating Holes and Threads
- Patterning and Mirroring Features
- Creating Thin-Walled Parts

Basic Sketching Techniques
- iFeatures
- Various Part and Sketch Techniques
- User Coordinate System

Annotations, and Tables
- Annotating Holes and Threads
- Creating Centerlines, Symbols, and Leaders
- Revision Tables and Tags

Drawing Standards and Resources
- Setting Drawing Standards

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

- Drawing Resources

Production Drawings
- Supplemental Drawing View Techniques
- Supplemental Drawing Annotation Techniques

Data and Geometry Translation and Exchange
- Import and Export
- AEC Exchange

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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