

Training: SOLIDWORKS MBD (1 day)

Prerequisites: Before taking this SOLIDWORKS training course, you must have completed the SOLIDWORKS Essentials Training.

Description: The goal of this course is to teach you how to use SOLIDWORKS MBD to present product and manufacturing information (PMI) in a 3D PDF file. This includes the use of DimXpert and annotation views combined with the capturing and publishing of 3D views.

Introduction

- About This Course

Lesson 1: Introduction to SOLIDWORKS MBD

- What is SOLIDWORKS MBD?
- MBD using Feature Dimensions
- Sharing 3D Views
- 3D PDF Capabilities
- MBD using DimXpert
- DimXpert Capabilities
- eDrawings and MBD
- eDrawings Capabilities
- STEP 242 Files
- MBD and Assemblies

Lesson 2: Using Feature Dimensions and Annotation Views

- Using Feature Dimensions with MBD
- Default Annotation Views
- Optimizing Settings
- Adding and Organizing Annotations
- Adding Reference Dimensions
- Modifying Dimensions
- Creating a Section Annotation View
- Editing an Annotation View
- Unassigned Items
- Creating an Annotation View
- Notes Area
- Using Tables

Lesson 3: Capturing 3D Views

- 3D Views
- 3D Views Tab
- Capture 3D View
- Activating and Modifying 3D Views
- Publishing PMI
- Special 3D View Types
- Model Break View

Lesson 4: 3D PDF Template Editor

- 3D PDF Template Editor
- Areas of the Template
- Text Types
- Other Template Aspects
- Building a Custom Template
- Saving and Storing Custom Templates
- Testing the Template

Lesson 5: Using DimXpert

- DimXpert Block Tolerances
- DimXpert Dimension Settings
- How DimXpert Works
- Auto Dimension Scheme
- DimXpert Manager
- Show Tolerance Status
- Modifying DimXpert Annotations
- Combining Dimensions
- Creating Multiple Schemes
- Manual DimXpert Annotations
- Feature Selector Toolbar
- Using DimXpert Dimension Tools
- Unique DimXpert Options

Lesson 6: MBD and Assembly Models

- Assembly Models and MBD
- Assembly Level Dimensions
- Optimizing Settings in Assemblies
- Adding Assembly Annotations
- BOM Tables and Balloons
- Publishing Assembly PMI
- Additional MBD Tools

