

# Course Outline

## PREREQUISITES:

Experience with the Windows operating system.

## DESCRIPTION:

The goal of this training course is to teach you how to use the 3DVIA Composer to create 2D and 3D output from CAD data. The focus is on the fundamental skills and concepts central to the successful use of 3DVIA Composer.

## OBJECTIVES:

- Become comfortable with 3D files
- Create 2D output
- Create 3D output
- Update from CAD files
- Publish content to various formats

Upon completion of this training course, you will be able to confidently create everything from product manuals to interactive 3D animations and videos.

### Lesson 1: Getting started

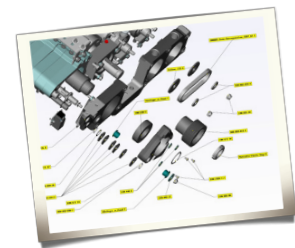
- What is the 3DVIA Composer application?
- Starting 3DVIA Composer
- 3DVIA Composer terminology
- 3DVIA Composer user interface
- Preferences and document properties
- Creating 2D output

### Lesson 2: Creating Cover and Detail Images

- Overview
- Views
- Rendering tools
- Navigation tools
- Camera alignment tools
- Create 2D output
- Digger

### Lesson 3: Creating an Exploded View

- Overview
- Visibility tools
- Exploded views
- Collaborative actors
- Styles
- Vector graphic output



### Lesson 4: Creating Additional Exploded Views

- Overview
- Paper space
- Importing files
- File types
- Update views with selected actors
- Align actors
- Explode lines

- Custom views
- Linking between views

## Lesson 5: Creating Bills of Materials

- Overview
- Bills of materials
- Vector graphics output
- Another BOM table

## Lesson 6: Creating a Marketing Image

- Overview
- Selections
- Textures
- Lighting
- Scenes
- High resolution image

## Lesson 7: Creating an Animation

- Overview
- Timeline pane
- Position keys

## Lesson 8: Creating Interactive Content

- Overview
- Selections in the key track
- Position and property keys
- Filters
- Animating collaborative actors
- Digger keys
- Events

## Lesson 9: Creating a Walkthrough Animation

- Overview
- Camera keys
- Adding views to the timeline
- Grids

## Lesson 10: Creating an Explode and Collapse Animation

- Overview
- Assembly selection mode
- Scenarios

## Lesson 11: Updating 3DVIA Composer Files

- Overview
- Preparing a file for publishing
- Publishing to PDF
- Publishing inside Microsoft Word
- Publishing to HTML

