





SOLIDWORKS Weldments

Course Outline

 <p>DURATION / TIME</p> <p>2 Days 9:00 am - 5:00 pm</p>	 <p>METHODOLOGY</p> <p>Practical hands-on with using computers, lecturing, discussions, and case studies.</p>
 <p>PREREQUISITES</p> <p>Experience with the Windows™ Operating System. Attended SOLIDWORKS Essential Training course</p>	 <p>TARGET</p> <p>Application Engineer, R&D Engineer, Product Designer or Engineer, and Industrial Engineer</p>

INTRODUCTION

Weldments teaches you how to create welded structures with standard structural members. Weld beads are also covered.


OBJECTIVE


At the end of this program participants are expected to:

- Create weldment designs using the weldment tools in SOLIDWORKS.
- Create drawings with Cut-lists and weldment information.
- Add weld beads and weld information to your drawings
- Use weldments in your assemblies.

CONTACT

IME CADCAM TRAINING CENTRE SDN BHD
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DAY 1

Course Outline:

Lesson 1: Weldment Features

- Weldments
- Structural Members
- Groups vs. Structural Members
- Adding Plates and Holes
- Gussets and End Caps
- Using Symmetry
- Advantages of a Multibody Part
- Sharing a Model
- Limitations of a Multibody Part

Lesson 2: Working with Weldments

- Manging the Cut List
- Cut List Item Names
- Accessing Properties
- Cut-List Properties Dialog
- Structural Member Properties
- Adding Cut List Properties
- Bounding Boxes in Weldments
- Options for Generating Cut List Items
- Custom Structural Member Profiles
- Defining Material
- Creating Custom Profiles
- Standard or Configured Profiles
- Inserting Existing Parts
- When to Use an Assembly

Lesson 3: Configuring and Detailing Weldments


- Weldment Configurations
- Post-Assembly Machining Features
- Weldment Drawings
- Drawing Views of Individual Bodies
- Representing Welds


Lesson 4: Working with Bent Structural Members

- Working with Bent Structural Members
- 3D Sketching

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DAY 2

Course Outline:

Lesson 5: Introduction to Structure System

- Structure System
- Primary vs. Secondary Members
- Secondary members

Lesson 6: Working with Structure System

- Managing the Cut List
- Case Study
- Gussets and End Caps
- Bounding Boxes in Structure System


Lesson 7: Defining and Inserting Connection Elements


- Connections
- Case Study
- Define Connection Element
- Insert Connection Element

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