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Course: SOLIDWORKS Weldments

MFG

Description

Learn how to create welded structures with standard structural members including weldments.

Traning objectives

On completion of this course you will be able to create weldment designs using the weldments tools in SOLIDWORKS. Create drawings with cut-lists and weldments information. Add weld beads and weld information to your drawings. Use weldments in your assemblies.

Prerequisites

Mechanical design experience. Experience with Windows Operating System.

Completed the SOLIDWORKS Essentials training course, or equivalent.

At least one month using SOLIDWORKS software.

Skills you will acquire

Faster drawing creation. Drawing sheet customisation. Annotation and detailing.

Who should attend

SOLIDWORKS Users who design structures made of components with constant profiles.

Delivery mode

- Face-to-face
- Virtual Classroom

Duration

- 2 days

Course Outline

Lesson 1: Weldments
- Weldments
- Structural Members
- Groups vs. Structural Members
- Manual Trimming of Structural
- Members
- Adding Plates
- Gussets and End Caps
- Using Symmetry
- Profile Sketches
- Working with Weldments
- Managing the Cut List
- Custom Properties
- Representing Welds

Lesson 2: Weldment Drawings
- Weldment Drawings

Lesson 3: Working with Pipes and Tubing
- Working with Pipes and Tubing
- 3D Sketching Weldments and Sheet Metal in Assemblies