

Technical Education Services

Autodesk Inventor Sheet Metal Design



Course Length: 2 days

Autodesk Inventor Sheet Metal Design introduces the concepts and techniques of sheet metal modeling with the Autodesk Inventor software. The structure of the course follows the typical stages of using Inventor. That is, to create sheet metal parts, edit them, generate flat patterns, and document the designs in drawings.

The major topics covered include:

- Autodesk Inventor Sheet Metal interface
- Sheet metal design process
- Creating base Faces, Contour Flanges, and Contour Rolls
- Creating secondary Faces, Contour Flanges, and Contour Rolls
- Sheet metal Parameters
- Creating Flanges
- Creating Hems, Folds, and Bends
- Corner Rounds and Chamfers
- Sheet Metal Cuts (Holes, Cuts, and Punch Features)
- Corner Seams (Seams and Miters)
- Generating Flat Patterns
- Lofted Flanges
- Rips
- Unfolding and Refolding
- Documentation and Annotation of drawings
- Converting solid model to sheet metal models
- Sheet Metal Styles

For the current course
schedule and to register
for this course:

Web: redstack.com.au

Phone: 1300 667 263

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Prerequisites:

The topics presented in this training guide assume prior knowledge of 3D solid part modeling using the Autodesk Inventor software. Students also need to be experienced with the Windows operating system. In addition, some background with designing and drafting 3D parts is recommended. Although it is not required, knowledge of sheet metal processing is helpful as students learn to use the sheet metal design tools.

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- 2.1 Applying Existing Sheet Metal Defaults
- 2.2 Creating a Face as a Base Feature
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Chapter 3: Sheet Metal Secondary Features

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Chapter 4: Flanges

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Chapter 5: Bending Sheet Metal

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DAY 2

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Chapter 13: Converting Parts to Sheet Metal

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Appendix A: Sheet Metal Rules

- A.1 Working with Sheet Metal Rules
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Appendix B: Additional Exercise

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