



Shounco Design Studios
Your Complete Engineering Resource Center

SolidWorks Mold Design

The Mold Design course teaches you several manual mold creation techniques and how to use the Mold Tools in SolidWorks mechanical design automation software.

The topics covered in this course are:

Lesson 1: Core and Cavity

- A Simple Two Plate Mold Design
- Analyzing Draft on a Model
- Scale the Part to Allow for Shrinkage
- Determine the Parting Lines
- Automation
- Modeling the Parting Surfaces
- Smoothing the Parting Surfaces
- Interlocking the Mold Tooling
- Creating the Mold Tooling

Lesson 2: Repairs and Surfaces

- Plastic Bezel of a Cordless Drill
- Creating New Drafted Faces
- Complex Shut-off Surfaces
- Interlock Surfaces

Lesson 3: Multiple Parting Directions

- Multiple Parting Directions
- Trapped Molding Areas
- Side Cores
- Lifters
- Core Pins
- Electrode Design
- Electrode Clearances
- Keeping the Sharp Edges

Lesson 4: Alternate Methods for Mold Design

- Alternate Methods for Mold Design
- Using Combine and Split
- Using Surfaces
- Using the Up to Surface Method
- Using the Split Method

Prerequisites: SolidWorks Essentials, SolidWorks Part Modeling

Length: 1 Days

Cost: \$395