

Mold Design using SolidWorks Course Information

This course focuses on manual mold creation techniques and how to use the Mold Tools in SolidWorks mechanical design automation software.



Course Length: 1 day

Hours: 8:30am – 4:30pm

Prerequisite:

- SolidWorks Advanced Part Modeling

Includes:

- Color Training Manual
- Completion Certificate

Course Contents:

•Core Cavity

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

•Repairs and Surfaces

- Creating New Drafted Faces
- Complex Shut-Off Surfaces
- Interlock Surfaces

•Multiple Parting Directions

- Trapped Molding Areas
- Side Cores
- Lifters
- Core Pins
- Electrode Clearances
- Keeping the Sharp Edges

•Alternate Methods for Mold Design

- Using Combine and Split
- Using Surfaces
- Using the Up to Surface Method
- Using the Split Method
- Manual Shut-Off Surface Creation



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