



American Injection Molding Institute

Autodesk® Moldflow® Insight Fundamentals-Course Overview

Course Description

In this course, students learn fundamental features, functionalities and workflows in Autodesk Moldflow Insight Fundamentals - through hands-on exercises. Students learn how to become more efficient at creating digital prototypes, running analyses and interpreting results of most analysis types available in the standard package.

Course Outline - Autodesk Moldflow Insight - Fundamentals

Introduction to Synergy: Learn how to navigate and use the Interface

Analysis Workflow: Discusses Moldflow design philosophy and design procedures

Material Database: Learn how to search materials and the level of characterization

Meshing: Discuss workflows necessary to import, mesh and repair all 3 mesh types

Gate Placement: Gate placement guidelines & uses of the gate location analysis

Filling Analysis: Optimize the filling of the part, and how to interpret results

Gate & Runner Design: Typical gate and runner designs and how to model them

Basic Packing: Review of definitions, procedures to set a packing profile, and how to interpret results

Results Customization: Discuss various ways to manipulate results to make interpretation easier

Flow Analysis Process Settings: Discussion of advanced options for a flow analysis along with all solvers and capabilities

Reporting Tools: Review various reporting tools, including Autodesk Moldflow Communicator

Flow Leaders and Deflectors: Discuss when and how to use flow leaders/deflectors

Valve Gates: How to set up a sequential valve gating analysis

Duration: 3 days

Who should attend?

New users of Autodesk Moldflow Insight

Prior mold analysis experience is not necessary.

What will you learn?

- Evaluate an injection molded part for manufacturability
- How to complete filling and packing analyses
- How to evaluate your simulation results



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