



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

Model Requirements: Discuss the mesh characteristics necessary to have for a high quality digital prototype

Model Translation and Cleanup: Discuss workflows necessary to import, mesh and repair all 3 mesh types

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

Results Interpretation: Discuss results types along with results manipulation and interpretation

Gate & Runner Design: Typical gate and runner designs and how to model them and conduct a runner balance analysis

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

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

Moldflow Communicator: Review features and capability of Autodesk Moldflow Communicator

Guided Project: Steps through in detail the entire Flow analysis process

Moldflow Design Principles: Review of the Moldflow design principles and how to apply them

Flow Leaders and Deflectors: Discussion of how to use flow deflectors and flow leaders to move the location of weld lines and other defects

Duration: 3 days

Who should attend?

New users of Autodesk Moldflow Insight

Prior mold analysis experience is not necessary.

What will you learn?

- How to complete fill, pack, and warp analysis
- Evaluate an injection molded part for manufacturability
- How to evaluate your simulation results



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American Injection Molding Institute, LLC
6100 West Ridge Rd.
Erie, PA 16506
PH 1-866-344-9694 | FX 814 899-7117
info@aim.institute
www.aim.institute