



American Injection Molding Institute

Autodesk® Moldflow® Insight Advanced Flow-Course Overview

Course Description

In this course, students learn about the more complex analysis types available in Autodesk Moldflow Insight that were not covered in the Autodesk Moldflow Insight- Fundamentals course.

Course Outline - Autodesk Moldflow Insight- Advanced Flow

Database Management: Discusses how to create personal databases of all types and how to use them.

Family Tools: Discusses how to analyze family tools, including finding processing conditions and balancing the runners.

Multiple Gates: Discusses the types of multiple gate problems that occur and how to analyze them. Also discusses clamp tonnage and how to work within the limits of the molding machine.

Packing Optimization: Discusses the procedure for reducing the variation of volumetric shrinkage on a part by using packing profiles.

Part Insert Overmolding: Discusses definitions and capabilities with regards to running a flow analysis with part inserts.

Two-Shot Sequential Overmolding:

Discusses capabilities of two-shot sequential overmolding, setting up the analysis, running the analysis and reviewing results.

Design of Experiments (DOE) Analysis:

Discusses the theory of DOE & how to setup an analysis and how to interpret the results.

Core Shift Analysis: Learn how to prepare for, run and interpret the results of a core shift analysis.

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

Projects: Practice what you have learned with different models presented with diverse problems.

Duration: 2 days

Who should attend?

Intermediate users of Autodesk Moldflow Insight

Before attending this course, students must attend the Autodesk Moldflow Insight-Fundamentals.

What will you learn?

- Insert overmolding and two shot analyses
- Packing optimization
- Core deflection
- Design of experiments



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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