



American Injection Molding Institute

Autodesk® Simulation Moldflow® Insight Advanced Flow-Course Overview



Course Description

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

Course Outline - Autodesk Simulation 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, adding studies together 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.

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.

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

Duration: 2 days

Who should attend?

Intermediate users of Autodesk Simulation Moldflow Insight

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

What will you learn?

- How to complete analysis for multiple gate locations and part families
- Flow analysis with inserts and overmolding
- Packing optimization
- Design of Experiments



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