

**Objective:** The primary objective of this course is to provide students with hands-on exercises of the different features of Autodesk Moldflow Adviser.

**Level:**  
Essentials

**Duration:** 2/3  
day (6 hrs.)

**Who Should Attend:** This course is designed for any Autodesk Moldflow Adviser user manager and for those hiring contracting firms to complete simulation analysis.

**Course Benefits:** The benefits for managers to complete this course include the ability to more effectively manage their simulation analysis teams' resources to produce higher quality products while reducing timelines, thus generating significant ROI.

# Autodesk® Moldflow® Adviser for Managers

Course designed by A-Z Sophisticated Solutions, LLC

## Course Description

In this course, managers learn features, functionalities and workflows in Autodesk Moldflow Adviser through hands-on exercises. THIS COURSE is based on the Autodesk Moldflow Adviser course; however it is not a substitute for that course. This course reveals a high-level management perspective of Autodesk Moldflow Adviser software, based on the instructor's discretion.

**Recommended:** Before attending this course, it is recommended that students complete the tutorials and review the 4 pre-theory recordings (which will be provided by the instructor upon registration).

## Course Outline - Autodesk Moldflow Adviser for Managers

- **User Interface Review:** Discusses how to use the interface, job manager, & how to customize databases
- **Quick Fill-Pack-Warp Analysis:** Step through the general process typically used for any analysis project
- **Design Adviser Analysis:** Learn how to import, and check models from CAD systems
- **Gate Location:** Describes the procedures to follow to complete and interpret gate location analysis
- **Molding Window:** Describes the procedures to follow to complete and interpret molding window analysis
- **Evaluating the Part Design:** Review part design guidelines, tools for analyzing part design, and how to interpret analysis results
- **Autodesk Moldflow Communicator:** Review features and capabilities
- **Report Generator:** Shows ways to create reports & available formats
- **Modeling Runners:** Review typical gate and runner designs and how to model them
- **Runner Adviser & Runner Balance:** Review the importance of balancing runner systems
- **Pack & Warp Overview:** Review concepts of pack/hold for injection molds
- **Modeling Cooling Circuits:** Model cooling circuits with various cooling geometries
- **Effects of Cool over Pack & Warp:** Understand the differences in the results when running different analysis sequences
- **Advanced Modeling Tips:** Tips for faster and easier runners and cooling line layouts

## Appendices:

- **Thermoplastic Overview:** Review polymer definition and classification, key polymer properties, and thermoplastic material families & abbreviations
- **Injection Molding Overview:** Review of the injection molding process
- **Finite Element Overview:** Review of finite elements and mesh types used within Autodesk Moldflow Insight
- **Moldflow Design Principles:** Review of the Moldflow design principles and how to apply them
- **Analysis Workflow:** Discusses Moldflow design philosophy and design procedures



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