

PLASTICS 101

AN INTRODUCTION TO THE INJECTION MOLDING INDUSTRY



American Injection
Molding Institute

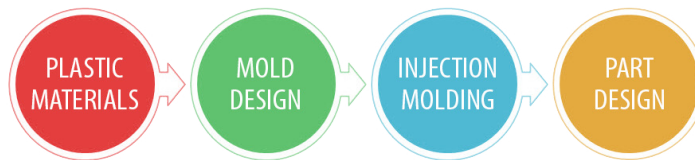
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PLASTICS 101

A 2-DAY INTRODUCTION TO THE INJECTION MOLDING INDUSTRY

Plastics 101 provides attendees with an overview of the four key pillars of the injection molding process, in addition to discussions on mold filling simulation and two hands-on labs.



COURSE OUTLINE

- Common industry terms & equations
- The history of plastics
- Plastic materials
- Material shrinkage
- Fundamentals of plastic flow
- Mold design
- Lab 1: mold tear-down and build
- Injection molding processing
- Common part defects and root causes
- Lab 2: Process Development
- Part Design
- Mold filling simulation

CONTINUING PLASTICS EDUCATION

Students can continue their education through AIM's higher-level courses:

DEVELOPMENT COURSES

Two-day, subject-specific seminars on Plastic Materials, Part Design, Mold Design and Injection Molding Processing.

PTE CERTIFICATE PROGRAM

Develop a comprehensive understanding of the complex interrelationship of each pillar and their influences on the final part.

MOLDERS' SERIES

This series of three courses is designed for processors of all experience levels. Students can earn the title of AIM Molding Engineer.

AUTODESK® MOLDFLOW® COURSES

Our series of courses can help both analysts and non-analysts improve their knowledge and understanding of Moldflow® software.



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