



## Course Description

This 2-day course is tailored for designers, mold builders, tooling engineers, and mold technicians who want to understand and control the effects of mold cooling resulting in a more robust mold design, mold build, and molding process.

Participants will learn the tools needed to analyze Heat Energy and the Mold Cooling Management required to produce consistent, profitable parts. Participants will learn to systematically challenge the design of new molds and uncover issues with existing molds through a development of best practices for Mold Cooling Management.

## Course Objectives

- Learn energy principles in relation to specific polymers.
- Understand how Heat Transfer and Energy Flow affect part quality and cycle time.
- Create Heat Budget and Balancing using Energy Flow calculations.
- Understand Reynolds Number's relationship to Turbulent Flow.
- Learn Turbulent Flow's impact on sustainable molding practices.
- Study the 3 R's of Scientific Cooling to develop and maintain efficient cooling setup and processes.
- Review coolant delivery and distribution principles.
- Discover water chemistry's effect on cooling efficiency.
- Participate in "Hands-On" activities to reinforce learning objectives.

Price: \$1195  
Class Date: April 27 & 28, 2021  
Location: MoldTrax, 2112 S Baney Road, Ashland OH 44805  
Times: Tuesday, 9:00 AM to 5:00 PM  
Wednesday, 9:00 AM to 3:00 PM

*Social distancing and  
cleanliness guidelines  
will be in place to  
prevent the spread of  
COVID-19.*

Class registration is limited to 8 attendees

### Registration Information

Name

Title

Company

Address

Telephone

Email