




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.
- Receive an introduction to advanced methods – Flow Simulation, Thermal Imaging and High Temperature Cooling Systems.

Price:	\$1195	 <i>Turn To The Industry Experts</i>
Class Date:	November 12 & 13, 2019	
Location:	PCS Company, 34500 Doreka, Fraser, MI 48026 tel: 800-521-0546, 586-294-7780	
Times:	Tuesday, 9:00 AM to 5:00 PM Wednesday, 9:00 AM to 3:00 PM	
	Class registration is limited to 8 to 12 attendees	
Registration Information		Registration Deadline is Oct. 18, 2019
Name		
Title		
Company		
Address		
Telephone		
Email		

Email completed form to: sales@pcs-company.com
PCS Company
34500 Doreka
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800-521-0546

Course materials by:
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