



“When I send people to your seminars, what kind of increase in knowledge, skills and performance should I expect to see when they are back at work?”

Systematic Molding II

After successfully completing our Systematic Molding II program your employee will be able to:

- Explain the characteristics of traditional molding, as well as DECOUPLED MOLDINGSM I, II and III.
- Explain basic requirements and steps for DECOUPLED III processing.
- Explain how using a process template in DECOUPLED III molding can improve quality, reduce scrap and reduce labor.
- Collect and interpret DECOUPLED III graphical process data from an instrumented process.
- Explain how to use cavity pressure sensors to monitor a DECOUPLED III process.
- Provide input for selecting the right processing approach for a specific mold (e.g., traditional processing, DECOUPLED I, II or III).
- Explain the main components and advantages of Individual Cavity Control systems.
- Perform initial machine qualification tests, after practicing a few times with a coach^{*}: Load Sensitivity, Pressure Response, Injection Speed Linearity, Dynamic Check Ring Repeatability Test, and Clamp / Mold Deflection Study.
- Explain the purpose and key steps of a rigorous mold tryout.
- Monitor and ensure that the optimal Equilibrium Moisture Content (EMC) for plastic is maintained.
- Identify potential problems and solutions for drying plastic.
- Identify potential problems and solutions in plastic cooling systems.

^{*} In the Systematic Molding class, the RJC instructor demonstrates how to perform the initial machine qualification tests. The training participants do not practice the tests on their own in the class. Therefore, it is likely that the training participant would need on-the-job coaching the first and/or second time her or she can perform the tests on this or her own. Ample time for practice is provided in our Master Molder II course.



Systematic Molding II Workshop

The purpose of the workshop is to allow participants additional time with the instructor as well as hands-on machine time to utilize the scientific molding techniques taught in the class. The workshop also improves the likelihood that the course participants will be able to perform the following tasks when they return to your plant:

- Perform a shear-rate viscosity study for any mold / material combination to determine the optimal injection speed (plastic flow rate).
- Perform a 30/30 melt test.
- Perform a load sensitivity test.
- Perform a pressure response test.
- Perform an injection speed linearity test.
- Document a machine independent DECOUPLED III molding cycle.
- Create a template.
- Analyze Graphical Process Data.

How Training Impacts Business

Enhanced knowledge and skills will enable your employee to provide input when selecting the best processing techniques for specific molds. Once the techniques are implemented correctly, they can translate into:

- Reduced part variability and scrap
- Optimized cycle times
- Reduced time spent on trouble-shooting

If you do not see these kinds of abilities or operational improvements, please call us. Ultimately, our goal is to improve employee and operational performance. Sometimes employee knowledge and skills may increase, but that increase is not translated into improved performance. In some cases additional coaching may be required, operating procedures adjusted, new performance expectations established, or other changes implemented. If you do not see our training lead to improved performance, we want to know about it and find a way to make it happen. Please contact us and we will do an assessment over the phone, free-of-charge, and, depending on the needs, an on-site assessment.