

Mold Setting Class INTRODUCTORY

Led by Your Industry Expert, Marty Key

This overview of the injection molding process creates an understanding of how the mold setting process relates to and affects the operation.

Topics covered in the class:

- Safety** - Each step of the mold setting process will begin with a discussion on potential safety hazards and proper PPE for the task being performed.
- Mold Inspection** - Students learn how to inspect the mold to ensure mold safety straps are in place, lifting straps are properly installed, the type and size of ejectors, what auxiliary equipment will be used, and what nozzle size is needed.
- Essential Tools** - While understanding which tools are needed and required for setting the mold, students will learn how to properly and safely use them.
- Setting the Mold** - Safety is the focus during a discussion of the actual process of setting the mold. Setting the mold includes verifying water circuit flow patterns; connecting the water; how and why to set die height; connecting ejectors; settings for mold opening and closing; and mold protection.
- Auxiliary Connections** - Students learn how to connect cores, valve gates, ejector return switches, hot runners, and other ancillary equipment.
- Preventative Maintenance** - Preventative maintenance is a broad subject that focuses on properly caring for mold platens, bolt holes, bolts, nozzles, ejectors, and auxiliary connections.
- SMED** - Single-Minute Exchange of Die - Students learn how to reduce mold change times.
- Troubleshooting** - While troubleshooting is a continual learning experience, students will begin with identifying and correcting common issues during the mold setting process.