

# Paulson ProMolder 3 – Seminar Outline

## Duration

5 Days

## Certification

Our highest possible certification level, ProMolder 3, will teach you the “why” behind injection molding. Featuring 20+ hours of machine and simulator time, ProMolder 3 will make you an expert molder. Cycle optimization and advanced problem solving skills require knowledge and practice. ProMolder 3 provides plenty of both. The skills you acquire will allow you to confidently make production floor decisions that decrease downtime and increase productivity.

**Paulson ProMolder 3** is Paulson’s most advanced injection molding course. Through intensive machine time and use of our unique injection molding simulator SimTech™, ProMolder 3 is the most thorough and technically accurate training available in the industry. Based on the science of injection molding Paulson’s focus is on the four basic variables as they interact with machine controls. Paulson teaches molding from the “plastic’s point of view.” If you are a user of Scientific Molding techniques ProMolder 3 will take you to the next level in truly understanding molding from a scientific perspective. All Paulson seminars and courseware are vendor neutral.

## Who should attend?

Graduates of ProMolder 1&2 seminars. Best for: Process Technicians, Setup Personnel, Lead Persons, Foremen, Process Engineers, and others who are, or will become, key production personnel in the future.

## What you will learn.

This course begins with a review of ProMolder 2 preparatory, simulator and molding machine operations:

- Advanced, four plastic variables analysis of part properties and the machine solutions.
- Setting machine controls for start-up and optimizing cycle times and the reasons for each.

## Why earn Paulson Certification?

Paulson Training Programs has an industry-leading 35 year reputation for developing highly qualified injection molding personnel who are sought after by the top injection molding companies. To maintain this quality, we test each student at the end of the course with a written exam. Based on final scores, each participant earns one of three levels of Certification **Paulson Gold Certificate of Achievement**; **Paulson Silver Certificate of Achievement**; and a **Paulson Certificate of Completion**.

## Pre-Requisite

Prerequisite to enroll in ProMolder 3 includes satisfactory

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## The main topics covered during this intensive 5-day seminar include:

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- Review of ProMolder 2 Course Material
- Throughput optimization
- Effects of machine controls on **the four primary plastic variables**
  - The participant will make changes to plastic conditions and then measure the parts to see firsthand how these changes affect the plastic part.
- Electronic tools to aid in optimization of both existing and new molds.
  - Including real time experience at the machine employing these tools.
- Man, Mold, Machine, Material root cause analysis instruction including electronic tools.
- Injection mold assembly and nomenclature
- Basic mold design review from a production perspective
- True statistical process control
  - Employing modern techniques and technology the participants will learn how to establish a scientifically robust process and establish upper and lower control limits on key process parameters that are illustrative of the plastic conditions.
- Machine validation
- Advanced SimTech exercises – Class Participation
- 80% hands-on machine time
- Final written and at-the-machine ProMolder 3 exam

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## About Paulson Plastics Academy

The **Paulson Plastics Academy (PPA)** is the division of Paulson Training Programs devoted to in-person, hands-on training. We offer expert instructor-led, vendor-neutral certification seminars that teach the fundamentals and advanced topics of injection molding, extrusion, and extrusion blow molding. The number of Plastics Academy graduates grows by hundreds each year. Whether you need a customized onsite seminar for your whole team or an instructor-led classroom experience for one or a few of your personnel, PPA can help you take the next steps on your journey to success. Contact us today to learn how we can help you get the most out of your training investment.