



Building and expanding on our Processor Pro training, **SmartTech™ Optimizer Pro** is intended for advanced employees such as process technicians and engineers. Optimizer Pro provides the necessary information and skills to optimize many aspects a Scientific Molding Process, such as Injection, Cooling, Screw Recovery, Cooling, and Part Removal. This high-level 2-day training is perfect for anyone involved in developing, establishing, evaluating, and optimizing Scientific Injection Molding processes.

### SmartTech™ Training Structure

- Pre-Requisite Online Training
- Face-to-Face Instruction
- Hands-On Skills Development
- Post-Requisite Online Training
- SmartTech™ Optimizer Pro Completion Exam

### Prerequisite Online Training

- Processing Parameters for Scientific Molding
- Math for Scientific Molders

### Day 1 : Classroom Discussion Topics

- 1<sup>st</sup> Stage Optimization
- 1<sup>st</sup> Stage In-Mold Rheology
- 1<sup>st</sup> Stage Cavity Imbalance
- Part Cooling Rate
- Mold Opening & Closing
- Part Ejection



### Day 1 : Practical Skill Development

- 1<sup>st</sup> Stage In-Mold Rheology
- 1<sup>st</sup> Stage Speed Study
- 1<sup>st</sup> Stage Cavity Imbalance
- 1<sup>st</sup> Stage Transfer
- Cooling Temperature
- Cooling Time
- Estimated Shots in Barrel
- Estimated Dryer Residence Time



**Day 2 : Classroom Discussion Topics**

- Practical Rheology
- Screw Recovery Optimization

**Day 2 : Practical Skill Development**

- 1<sup>st</sup> Stage Comparative In-Mold Rheology
- Rear Zone Temperature Study
- Back Pressure Study
- Screw Recovery Time
- Optional – Performing a Basic DOE
- Optional – Comparative Purging Analysis

**Post-Requisite Online Training**

- Processing for Profit
- Purging for Scientific Molders

**Completion Exam**

The areas being tested in this exam include:

- Injection Molding Safety
- Scientific Molding
- Scientific Process
- Scientific Purging
- Scientific Documentation



**+1 Day Add-on Workshop**

This optional 1-day workshop further advances employees' processing skills.

As a group, the instructor and students spend the first part of the morning discussing strategies for optimizing mold changes. The remainder of the training session is spent performing a mold change from start to finish — all steps from Preparation to Dry Cycling, highlighting important concerns along the way.



PRODUCT INFORMATION:

**SmartTech™ Optimizer Pro:  
On-Site Scientific Molding Training**

*2 days of on-site skill development +  
10 online courses & completion exam*

product id: **crt.im3**

**(978) 957-0700**

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