

# Optimizer Pro (2 Days)

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<sup>™</sup> Optimizer Pro Completion Exam

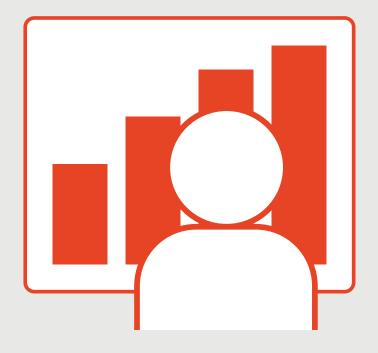
#### **Prerequisite Online Training**

- 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





## **Optimizer Pro (2 Days)**

#### **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



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