

# Extrusion Troubleshooting

## Hours of Instructions:

1-Day

## Course Description

This course involves the students in hands-on troubleshooting of common problems in the plastics extrusion process. It is designed for operators, technicians, process engineers, and maintenance personnel. The course is intended to give the student the information necessary to effectively operate and troubleshoot the extrusion process.

## Topics Include:

- Problem Solving Methodology
- Troubleshooting the Extrusion Process
- Examples of Troubleshooting Guides for Various Extruded Products
- Discussion of Processes to be Used for Practical Exercise - One of Two Below
  - Single Screw Extrusion Line
  - Twin Screw Extrusion Line
- Practical Exercise – Finding Problems on the Line Such As
  - Improper Line Settings
  - Thermocouple Issues
  - Heater Issues
  - Flow Abnormalities
  - Die Issues
  - Mixing Issues
  - Drying Issues
- Review and Discussion

Attempt will be made to use the most applicable process for students in each class

## Instructor(s):

Plastics Selection, Design, and Processing course facilitators are from the Polymers Center of Excellence. Each course facilitator is an experienced Plastics Processing facilitator and auditor. PCE facilitators have assisted many companies with the training and implementation of their plastics selection, product design and processing systems. They have developed and conducted material selection, product design and processing system assessments and improvement techniques including the demonstrated specific understanding and implementation techniques related to scientifically based design and processing methodology.

### Location

Polymers Center  
8900 Research Drive  
Charlotte, NC 28262  
(704) 602-4100

### Dress Code

Business casual  
Polo or button down shirt  
Long pants  
Closed toe shoes, no heels

### Lab Etiquette

No drinks, food or gum  
No tobacco or vaping devices  
Safety glasses must be worn