



Tel: 07833 488590 / 07773 373127 Fax: 01543 674525

Email: [andy@solutions4polymers.co.uk](mailto:andy@solutions4polymers.co.uk) Web: [www.solutions4polymers.co.uk](http://www.solutions4polymers.co.uk)

## **Introductory Extrusion (Pipe, Profile or Sheet)**

### **Aim of the Programme**

This programme is aimed at employees who undertake an operator/trainee setter role with the addition of some monitoring and basic fault correction. It will give the attendee a solid understanding of the fundamentals associated with the extrusion process and will allow them to build upon this solid grounding in the future

### **Objectives of the Programme**

- Work in a safe manner in relation to the machine
- Understand the design differences of different manufactures of machines
- Explain the interaction of ancillary equipment and its relationship to the process
- Explain basic quality procedures and work to quality specifications
- Understand the make up and differences in Polymer compounds
- Explain the common components within a typical die
- Understand preparation and operation of a calibrator
- Explain the haul off and its use
- Understand the different types of cutting devices used in extrusion
- Set up an Extrusion line to a given standard
- Start up and shut down an Extrusion line whilst applying best practice within the industry

### **Attendees**

This programme is ideal for:

- Anyone who wishes to get a good understanding of the process
- Setter/Operators
- Trainee Setters

# Programme Timetable

*Guide Course Schedule (May change dependent upon customers needs)*

Day 1

Introduction  
Prior Knowledge assessment  
Key principles of Extrusion  
Machine configurations  
Safety around Processing  
Operator/Machine Interaction

Day 2

Dies  
Calibrators/Cooling systems  
Polymer Compounds  
Processing  
Practical

Day 3

Downstream equipment  
Practical

Day 4

Quality Principles, first off/last off and Measuring  
Practical  
Final Assessment

At the beginning and end of each day a review of subject matter and a questions and answers session will take place to ensure that all subject matter has been fully embedded.