

# Injection Moulding Training

## Injection Moulding: Working Safely 1 day course

*"Know how to look after yourself and those around you;  
Interpret the rules safely & sensibly"*



**POLYBRIDGE Training Ltd**

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### 2010

February	4 <sup>th</sup>
March	11 <sup>th</sup>
April	15 <sup>th</sup>
June	10 <sup>th</sup>
August	12 <sup>th</sup>
September	17 <sup>th</sup>
October	14 <sup>th</sup>
November	11 <sup>th</sup>
December	16 <sup>th</sup>

# Injection Moulding Working Safely

## **Who is the course for?**

This 1-day course is for anyone working on or around Injection Moulding equipment and its ancillaries, e.g...

- **Setters**
- **Operators**
- **Technicians**
- **Material Handlers**
- **Maintenance Engineers**
- **Electrical Engineers**
- **Safety Officers**

## **Objectives of this course are to**

- Create a Sensible approach to safety
- Ensure you know your responsibilities
- Identify potential & existing hazards
- Know what to do when hazards are identified
- Be safe when working around moulding machines
- Ensure the safety of others
- Prevent accidents through awareness of hazards

## **Content**

### **Introduction**

- Health & Safety Statutes
- Responsibilities of the employer & employee
- Codes of Practice for Injection Moulding
- General Workshop awareness
- Personal Protective Equipment (PPE)

### **The injection Moulding Process**

- The moulding Cycle, Machine functions
- Potential Hazards

### **The Moulding machine: Hazard areas**

- Injection Units
- Clamping Units
- Trapping points
- Guarding Interlocks
- Checking Safety systems

### **Processing: Hazard Areas**

- Burn Hazards
- Handling Purged material
- Good Practice
- Using the correct PPE

### **Plastics Materials**

- Polymer types: adhesive & non adhesive
- Polymer stability: which are more hazardous
- Polymers & Hot runner systems

**Note:** Trainees will have practical demonstrations prior to, and during, their own practical supervised sessions where they will use up to date moulding machines

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### **Injection Moulds**

- Ejection systems
- Mould types; how they work & their hazards
- Core movement systems
- Precautions when working on the mould
- Hot runner hazards
- Electrical, Water, oil & air connections
- Care when removing products

### **Identifying Hazardous Situations**

- What to look for
- Securing the area
- Planning your actions
- Minimising risk

### **NVQ**

Several segments of the course content can contribute to a candidates NVQ portfolio.

- Accreditation of Prior Learning (APL) “witness statement” for inclusion in their training portfolio,
- Accreditation of Prior Achievement (APA) if they carry out a part of a section correctly to a prescribed NVQ segment method.

Candidates working toward NVQ should advise us prior to attending the course to allow us to assist them secure their NVQ qualification

### **Course Certificate**

A course certificate is provided for the successful completion of the course.

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**Locations** Warwick or Stafford

**Course Fee:** £125.00 + VAT per person and includes course materials, lunch and refreshments.

### **Tailor Made “In-House” Courses**

This has for many years been our core business, providing cost effective training that meets the company’s individual needs, and delivered to suit their schedules, whether on or off-site. Please contact us if this is right for you.

# Registration Form

Fax to +44 (0) 1746 761 875

Working Safely

Email to [info@polybridgetraining.co.uk](mailto:info@polybridgetraining.co.uk)

## Select Desired Course Date: 2010

Please use a separate form for each delegate, photocopies are acceptable

- Feb 4<sup>th</sup>       March 11<sup>th</sup>       April 15<sup>th</sup>       June 10<sup>th</sup>  
 August 12<sup>th</sup>       Sept 17<sup>th</sup>       Oct 14<sup>th</sup>       Nov 11<sup>th</sup>       Dec 16<sup>th</sup>

Name: \_\_\_\_\_

Position/ Job Title \_\_\_\_\_

Company: \_\_\_\_\_

Are you involved in training for NVQ?  YES       NO      NVQ Level: \_\_\_\_\_

## Contact Details;

Company \_\_\_\_\_

Contact name \_\_\_\_\_

(if different from above)

Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Postcode: \_\_\_\_\_

Tel: \_\_\_\_\_

Fax \_\_\_\_\_

Email \_\_\_\_\_

Invoice Address (if different from Contact Details opposite)

Company \_\_\_\_\_

Contact \_\_\_\_\_

Address \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Postcode \_\_\_\_\_

Tel \_\_\_\_\_

Fax \_\_\_\_\_

Email \_\_\_\_\_

## Payment Information

### NOTE:

Payment must be received prior to attending the course

- Cheque      payable to "Polybridge Training Ltd"  
 Payment enclosed  
 Please Invoice my company:

Purchase Order No: \_\_\_\_\_

NOTE: Please read this carefully

Cancellation Terms,

By completing & returning this registration form, delegates are agreeing to be bound by the Conditions of Registration which can be found on the following page.

Full terms & conditions can be found on our website:  
[www.polybridgetraining.co.uk/downloads/calculator/terms](http://www.polybridgetraining.co.uk/downloads/calculator/terms)

Please return to:

Training /Seminars,  
Polybridge Training Limited  
42 Linley View Drive,  
Bridgnorth,  
Shropshire.  
WV16 4RT  
United Kingdom.

Fax +44 (0) 1746 761 875

[Info@polybridgetraining.co.uk](mailto:Info@polybridgetraining.co.uk)

## **BOOKING TERMS & CONDITIONS**

### **Payment is accepted in £GB**

Discounts given for multiple registrations: 10% discount for 2 or more delegates from the same company registering at the same time for the same dates

### **Conditions of Registration**

Written confirmation is required: letter, fax, email.

**Payment must be received prior to attending the course.**

**Accommodation** is NOT included in the fee.

**Cancellation** up to 14 days prior to the course start date will be refunded minus a 20% administration charge. Cancellation after this date will be subject to the FULL fee with NO REFUND.

**Transfer** to a later course, prior to the course start date can be accommodated without charge.

Transfer within the 14-day period prior to course start date will incur a 20% administration charge.

All transfer requests must be confirmed in writing by the delegate requesting transfer or their representative. The option to transfer can only be used once after which non-attendance will be treated as a cancellation subject to the terms above

**Delegate substitutions** can be made without incurring penalty

### **Location**

This course will be delivered at ENGEL UK LTD in Leamington Spa unless advised differently at the time of booking. The final course delivery location may be revised at the time of booking. Location choice is dependent on conditions prevailing at the time of booking.

### **Tailor Made "In-House" Courses**

This has for many years been our core business, providing companies with cost effective solutions to meet their own specific needs.

Please contact us if this route will be more effectively meet your company's individual needs.



# **POLYBRIDGE Training Ltd**

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