

## Polymer – Injection Moulding Technology Part 3

Study Mode: | Course Level:

### Is this course right for me?

Candidates must be able to demonstrate existing knowledge levels through either passing the IMT2 end of course assessment or having achieved an NVQ Level 2 or having completed our pre-course questionnaire and achieved a score of 70% or above.

Specifically designed to address the needs of people requiring high-level skills in configuring and optimising the injection moulding process.

In particular:

- Setters
- Process Engineers
- Technicians and Multi-Skilled Engineers

### What will I learn?

On completion of the course, the delegates will be able to:

- Demonstrate an understanding of safety requirements for injection moulding and use safe working practices
- Describe the construction of an injection moulding machine, the function of component parts and process parameters
- Set up clamping units on a range of injection moulding machines
- Demonstrate an understanding of mould tool design, quality systems and machine control methods
- Carry out initial set-up of the injection unit using a systematic procedure
- Start-up and shut-down an injection moulding machine safely and efficiently
- Recognise common product faults
- Demonstrate an understanding of plastics material technology
- Recognise a range of product faults, identify possible causes and select appropriate remedies
- Carry out a complete set-up from zero
- Undertake machine condition setting in a logical and systematic manner
- Complete a full mould trial applying logical and systematic procedures
- Maximise product quality and output rates

### What skills will I gain?

Polymer Processing Certificate Part 3 Material covered has been aligned to the content of an NVQ at Level 3 and can be used as underpinning knowledge towards achieving the award, if so desired.

## How will I be assessed?

Individual candidate knowledge levels are assessed at the end of the training programme and a management report is provided to help identify further training requirements or career progression possibilities. This is a PTIC assessment of knowledge for the injection moulding process but candidates can then progress towards achievement of their PTIC Approved Technicians Award by successfully completing a further practical assessment

## Delivery

**Location:** Telford Campus

**Start Date:**

**Day:**

**Time:**

**Course Fee:**

**Course Code:**

**Study Mode:**

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