

METROLOGY AND MOULDING COURSE

Basic Information

Duration: 3 days

Location: G&A Moulding Technology,
Peterborough, UK

Total cost: £800 per person + VAT

Trainers: Simon Vaitkevicius / John Goff

Course Aims

The course brings together two aspects of mechanical design and gives an overview of best practice and explains the interaction of each aspect.

The moulding aspect of the course provides an understanding of the fundamental principles of injection moulding with hands on moulding of different materials.

The measurement aspect of the course covers the basics of metrology, explaining the relationship between measurement and 2D drawing, GD&T and tolerance analysis. Automated measurement systems are also covered.

The two aspects are married together in an exciting and refreshing course which shows the big picture.



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Optical Measuring Techniques

Course Content

Day 1

- ⊕ Introduction to measurement
- ⊕ Estimation
- ⊕ Basic measurement techniques and exercise
- ⊕ Fundamentals of injection moulding

Day 2

- ⊕ Thermoplastics materials measurement technology
- ⊕ Electronic methods using contact and non-contact methodology
- ⊕ Review of components from a variety of industries

Day 3

- ⊕ Component Tolerances
- ⊕ Relationship with 2D and GD&T
- ⊕ Implementation of Go – No Go gauge theory
- ⊕ Practical session regarding measurement of injection moulded components
- ⊕ Process capability assessment of injection moulded components



Course Pre-Requisites

Foundation level course aimed at Design Engineers and Technical staff.

There are no educational pre-requisites although some knowledge of engineering or design is desirable.

An excellent stepping stone into further moulding and higher/further education engineering courses.

G&A MOULDING TECHNOLOGY

An Independent Training and Consultancy Service

A PARTNERSHIP FOR THE PLASTICS INDUSTRY

For more information contact:

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“LET US HELP YOU!”