

Tolerance Analysis Training (1 day)

'In'-Tuition – In-house, Intensive training for Individuals
We come to you to deliver these courses.

You use your own software, we supply the trainer.

Standard Course :- £975 for 1 person, £1050 for 2 people, £1100 for 3 people.
Contact us for a quote if you have more people or for a customised course.

Content as of 1st March 2012

In this course you will get an introduction to Tolerance Analysis & Stack-Up. The course covers both traditional and geometric tolerancing and includes both worst-case and statistical tolerance analysis. No special software is assumed or necessary. The course will be a mixture of lectures and student exercises. All examples can be solved by hand or using Excel[®], except for the option of using Pro/Engineer[®] or Creo[™] Parametric to calculate Worst-Case tolerances if you have it available. Also see our other courses.

- Introduction
- Variation and Sources of Variation
- Tolerance Stackups with Plus/Minus (Traditional) Tolerances
- 1-D Tolerance Stackups
 - Single Part and Assembly Stacks
- Tolerance Analysis Worst-Case
- Diametral and Radial Tolerance Stackups
- Statistical Tolerance Stackups
 - RSS, Modified RSS & Statistical
- Geometric Dimensioning and Tolerancing (GD&T)
- 2D & 3D Tolerance Stackups
- Assemblies with Fixed or Floating Fasteners
- Tolerance Analysis for Assembly
- Tolerance Analysis for Performance
- Matching Tolerances to Process Capability
- Cost of Tolerances
- Taguchi Loss Function
- Software for Tolerance Analysis
- Tolerance Stack-Up in Pro/Engineer[®] or Creo[™] Parametric

Pre-requisite : A basic understanding of Geometric Tolerancing

Note: It may not be possible to get through everything in the time, in which case the most appropriate items will be selected.

*Prices include travel expenses for sites within 100 miles of Northampton, but not VAT. Extra expenses may be charged for other sites.

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