**Tolerance Stacks Using GD&T 3 Day Advanced Workshop**

This advanced course will show you how to calculate worst-case tolerance stacks, a crucial skill in today's competitive workplace. Solve problems in the design stage instead of the production stage, and save time and money by getting it right the first time.

**Who Should Attend**

This course is ideal for individuals who create or interpret engineering drawings including design, layout, assembly, checking and inspection personnel.

**Skill Level Needed**

Please be aware this is not an introductory course. In order to qualify you must already know how to read a blueprint and have completed Fundamentals of GD&T. Completion of Advanced Concepts is also strongly recommended.

**Course Agenda and Highlights**

- Importance of Stacks and Introduction to Stacks
- The Four Basic Stack Steps
- Part Stacks Using Coordinate Dimensions
- Part Stacks Using Runout
- Part Stacks Using Profile
- Part Stacks Using Position
- Part Stacks Using Position with Bonus (Planar & RFS Datums)
- Part Stacks Using Position with Bonus and Shift
- Part Stacks Using Multiple Geometric Tolerances
- Assembly Stacks Using Coordinate Dimensions
- Assembly Stacks Using Runout
- Assembly Stacks Using Profile
- Assembly Stacks Using Position
- Stacks Using Form Controls Applied to a Feature
- Stacks Using Straightness Applied to a Feature of Size
- Stacks Using Orientation Controls Applied to a Feature
- Stacks Using Orientation Controls Applied to a Feature of Size
- Assembly Stacks Using Multiple Geometric Tolerances
- Stack Matrix Chart
- Evaluating a Stack Answer

**Learning Outcomes**

You will learn how to use tolerance stacks to establish part tolerances, analyze designs, use geometric tolerances in stacks, document and interpret tolerance stacks using a standardized spreadsheet format and much more.