

## Tolerance Stack-Up Analysis Seminar

2-Day Seminar (~16 hours of instruction; 1.6 CEU's)

### Course Description

This two-day GD&T course is an advanced GD&T tolerance accumulation analysis course.

### Objectives

1. Introduce the most important and most widely utilized concepts of the Y14.5 standard
2. Enable participants to calculate minimum and maximum tolerance accumulations when Y14.5 control symbols appear on drawings.
3. Continue preparing the participants for the ASME GDTP certification exams.

### Reasons for Attending

If you have been through the Fundamentals and Advanced GD&T levels, and you're responsible for determining the effects of tolerances, this is the course for you. This program is an extrapolation of your education in the Y14.5 standard. In this program, we focus on the effects of GD&T-specified tolerances.

### Program Outline

The program begins with a review of GD&T, then continues with practical team exercises designed to educate each participant in how to properly determine the worst-case effects of specified tolerances. This class is a minimum lecture, maximum experience and participation format. The subject matter covered is (as a minimum):

- Introduction - Objectives, review GD&T.
- Review of the most complex controls and rules.
- Tolerance stack-up analysis
- Review of actual prints (participant and instructor supplied.)

### Who Should Attend

This program is designed for anyone who is extremely familiar and proficient with the concepts and practices of GD&T. Particular emphasis is placed on those who are responsible for specifying, and analyzing tolerances. Individuals desiring to become a certified Geometric Dimensioning and Tolerancing Professional (GDTP) by passing the ASME GDTP exam should take this course.

**Prerequisites:** Fundamentals and Advanced GD&T, or equivalent experience.