

January 23 – 24, 2017
The Florida Hotel & Conference Center | Orlando, Florida

TE-4 | Monday, January 23 | 8:00 AM - 5:00 PM | One-Day

Course Title: Geometric Dimensioning and Tolerancing (GD&T) Application to Gage Calibration Requirements

Instructor: E.A. “Tony” Bryce, Sandia National Laboratories

Topic: Dimensional

Technical Level:

Beginner – course content is designed for students with no previous experience

Course Description: A basic introduction to the concepts of GD&T and the application to gage certification requirements. This course is suitable for those individuals needing a basic understanding of the concepts related to drawing and CAD model definition. The course will cover symbol interpretation, feature control frames, datums and datum reference frames (DRF), material conditions (MMC & LMC), positional tolerancing, profile tolerancing, orientation (parallelism, angularity and perpendicularity), profile tolerancing and runout. Application of concepts to gage requirements. This course is based on ASME Y14.5 standard.

Learning Outcomes:

1. Basic Knowledge of vocabulary, definitions, drawing symbols in the ASME Y14.5
2. Basic Knowledge of determination of boundaries established for gage conformance from understanding of Y14.5 concepts
3. Basic Knowledge of methods used to determine gage meets design intent

Instructor Biography:

ASME / Senior level GD&T Professional

BS Industrial Education / University of New Mexico

ASQ / Certified Mechanical Inspector

Adjunct Professor / Guest Lecturer in GD&T / NM Tech University, Socorro, New Mexico

Technical Team Lead / Mechanical Calibration / Sandia National Laboratories