

ABOUT THE TRAINERS

QC trainers have trained thousands of individuals across dozens of technical subjects; from GD&T and Print Reading to ISO Lead Auditing. Our trainers are experts in their respective fields, leveraging the latest information and industry-standards to support your manufacturing process improvement efforts. We ensure that after a training workshop, you will return to the workplace with the skills and competencies needed to perform at maximum effectiveness.

CONTACT & REGISTRATION

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DAILY SCHEDULE

7:15 AM – 8:00 AM
Gather & light continental style breakfast

8:00 AM – 12:00 Noon
Classroom Session 1

12:00 Noon – 1:00 PM
Lunch will be provided

1:00 PM – 4:00 PM
Classroom Session 2

4:00 PM – 5:00 PM
Discussion & Review

5:00 PM
Adjourn for the day

ABOUT QES

QES is a full-service organization that provides Metrology services such as calibration, dimensional inspection, performance testing and documentation services to customers in manufacturing and related industries.

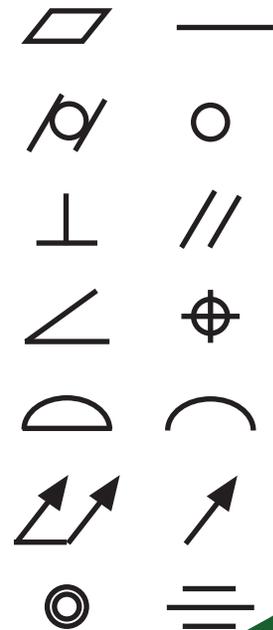
With over 50 years of combined quality experience, QES pays special attention to customers and strives to make one-on-one relationships a priority. We stress growing in strength by helping our customers grow in strength. Incorporating accuracy and rapid turnaround times, we look forward to helping you with your Metrology laboratory needs.

Avalon Hotel & Conference Center
1009 West Park Avenue
Chippewa Falls WI 54729

PATHWAY TO CERTIFIED QUALITY INSPECTOR

#4 GD&T

FUNDAMENTALS JANUARY 21-23, 2019



GD&T FUNDAMENTALS

Cost: \$1300

Number of days: 3

BENEFITS

Your drawings have GD&T symbols on them (or they should)! If you have been attempting to work with GD&T, and you lack the confidence to specify, or are having trouble interpreting the specifications, this GD&T training is for you. Using GD&T improperly can be worse than not using it at all.

AGENDA

- Objectives and basic overview
- History of geometric dimensioning and tolerancing
- Comparison of the “traditional” method – Coordinate Dimensioning – to the Geometric Dimensioning approach
- Demonstration of GD&T’s Strengths and Advantages:
 - As a design tool
 - As a manufacturing aid
 - As an overall communications facilitator
- General rules of dimensioning and drafting per the standard:
 - Tolerance zones
 - Definition
 - Comparison to existing systems
- GD&T symbology:
 - Definitions of all 14 geometric controls
 - Modifiers and other symbols
- “Bonus” tolerances
 - Definition
 - How to take advantage of them
 - Datum shift
- Datum reference frames:
 - Definition
 - Proper construction and selection

COURSE SUMMARY

This course is an introduction to the Y14.5M-1994 and Y14.5-2009 standards, focusing on the what, when, why, and the how of GD&T.

COURSE OBJECTIVES

The main goal of the GD&T materials is to bring all participants to a common, basic and operational level of understanding. GD&T Fundamentals is a thorough introduction to those with a little to a moderate level of experience with GD&T.

TARGET AUDIENCE

This program is designed for anyone who designs, drafts, engineers, purchases, manufactures, estimates, or inspects parts and assemblies. Particular emphasis is placed on those who design and manufacture, and those responsible for quality.

PREREQUISITES

A working understanding of technical drawings (perspectives, sections, details, etc.). Blueprint Reading for Industry is suggested.