

GEOMETRICAL DIMENSIONING & TOLERANCING



COURSE OVERVIEW

Introduce the basic concepts of GDT principle that should be applied at the design process and quality function according to the ANSI Y14.5 M standards that include interpretation of basic symbols, type of datums, geometric characteristics and definitions, and the procedures of inspection.

COURSE OBJECTIVES

Upon completion of this course, participants will be able to:

- Identify the basic symbols, terminology and rules of GDT applications in drawing based on ANSI Y14.5M standards
- Interpret the basic concepts and principles of GDT symbols and terminology
- Apply the basic concepts and principles of GDT in designing and quality control system

THE UNIQUENESS OF THIS COURSE

- The practical training approach is based on demonstration and application exercises.
- Experienced trainers in the field of geometrical dimensioning and Tolerancing.

WHO SHOULD ATTEND

This course is designed to those who are working in designing, machining and inspection of final product and assembled parts.

Target Group: Quality Engineer, Design Engineers, Tooling Engineer, Quality Inspector and Technician.

KEY TOPICS

- Introduction to GDT
- Datums
- Form Tolerances
- Runout Tolerances
- Location Tolerances
- Profile Tolerances
- Limits And Fits

METHODOLOGY

Course delivery is via lectures, discussions, exercises & practical workshops.

COURSE DURATION

3 Days.

PRE-REQUISITE

Basic knowledge in drawing and QC techniques.

CERTIFICATION

Certificate of attendance will be issued to those who fulfill 80% of attendance.

For further details, please contact:

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