

INTRODUCTION

Geometric Dimensioning and Tolerancing (GD&T) system eliminates ambiguities in engineering drawings and brings out the designer's intent very clearly. It ensures seamless communication between design, engineering, manufacturing and quality teams across the entire organization enabling them to work in a concurrent engineering environment. Application of GD&T system helps to reduce the manufacturing and inspection costs drastically. It is important to learn and interpret form, orientation, location, runout and profile tolerances and Gain a practical insight into inspection of GD&T features. Keeping this in view, Indian Machine Tool Manufacturers' Association (IMTMA) is organising an online training on "Understanding & Implementing GD&T - Form, Orientation, Location, Profile and Run out Tolerances".

FOCUS AREAS

- Review of basic concepts of GD&T
- Form tolerances and applications
 - Straightness
 - Flatness
 - Circularity
 - Cylindricity
- Orientation tolerances and applications
 - Parallelism
 - Perpendicularity
 - Angularity
- Location tolerances and applications
 - Position
 - Concentricity
 - Symmetry
- Run out tolerances and applications
 - Circular run out
 - Total run out
- Profile tolerances and applications
 - Profile of a line
 - Profile of a surface

KEY TAKE AWAYS

After undergoing the programme, the participants will be able to -

1. Understand the concepts of GD&T and correctly interpret GD&T symbols in Engineering Drawings
2. Learn to interpret form, orientation, Location, runout and profile tolerances at RFS, MMC and LMC conditions
3. Gain an insight into inspection / validation of GD&T parameters

FEE PER PARTICIPANT (PER LOGIN)

Rs. 1500/-
+18% GST

IMTMA Members/ Micro Companies/ Individuals/ Educational Institutions / Students/ IMTMA Non Members/ Others

FACULTY

This program will be conducted by Mr. Ganapathi K N

Ganapathi K N, is presently working as Director Training at IMTMA, having 16 years of industrial and 14 years of academic experience. He is a mechanical engineer with post graduate in metal casting science and engineering. Prior to IMTMA, Ganapathi has worked at various capacity in manufacturing companies. He has thorough knowledge of GD&T and various Manufacturing processes. He has carried out many specialised programmes on GD&T and manufacturing process related programme for industries. He has also taught these topics to post graduate engineering students. At IMTMA his role is to develop and introduce new programmes for enhancing competitiveness of Industries.

For Registration Contact

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