

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.

Keeping this in view, Indian Machine Tool Manufacturers' Association (IMTMA) is organising an online training on "Geometric Dimensioning and Tolerancing (GD&T) in Design through Manufacturing".

FOCUS AREAS

- Introduction and understanding the need for GD&T
- Fundamental rules of GD&T per ASME. Coordinate VS geometric tolerancing
- Definitions of Terms and Symbols, FOS, FCF, DRF, Rule#1 or Taylor principle
- Tolerance concepts, MMC / LMC / RFS and their applications
- Calculation of bonus tolerance per MMC / LMC Definition of datums
- Form and orientation tolerances and applications
- Location, runout and profile tolerances and applications

KEY TAKE AWAYS

- Understand the concepts of GD&T features and correctly interpret GD&T symbols in Engineering Drawings
- Learn about using tolerances at RFS, MMC and LMC conditions and Calculate Bonus tolerance
- Gain an insight into inspection of GD&T features using conventional methods

FEE PER PARTICIPANT (PER LOGIN)

Rs. 3500/-

+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**,

Mr. Ganapathi K N, is presently working as Advisor 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 Materials, Metallurgy, Metal casting and heat treatment processes. He has carried out many specialised programmes on GD&T, metal casting technologies, Metallurgy and heat treatment 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.

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