



INTRODUCTION

Understand the role of GD&T in reduction of manufacturing cost and lead time as well as enhanced product reliability.

Thorough knowledge in GD&T – the essential link connecting the functional departments in a manufacturing industry – is must for engineers. Many a times lack of proper understanding / misconceptions about GD&T lead to depriving the true benefits of GD&T in terms of enhanced reliability of the product, saving in manufacturing cost, reduction in lead time, etc. Learn the **fundamentals of GD&T** in detail with application examples.

Keeping this in view, Indian Machine Tool Manufacturers' Association (IMTMA) is organising a 2 day online training programme 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

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

- 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. 4000/-

+18% GST

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

USD 120/-

Overseas Participants

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 a Post graduate in metal casting science and engineering. Prior to IMTMA, Mr. Ganapathi has worked in various capacities 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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