



### Conducts

#### Two Days Training Program On

# Geometric Dimensioning and Tolerancing (GD&T) As per ASME Y14.5-2009 and ISO 1101-2004

### Introduction:

Geometric dimensioning and Tolerancing(GD&T) is a language used on mechanical engineering drawings composed of symbols that are used to efficiently and accurately communicate geometry requirements for associated features on components and assemblies. GD&T is, and has been, successfully used for many years in the automotive, aerospace, electronic and the commercial design and manufacturing industries.

GD&T is also identified as one of the design output requirements of QS-9000, ISO/TS 16949:2009, IATF 16949

### Objectives:

- To introduce practical industry sensitive Geometric Dimensioning and Tolerancing (GD&T) principles
- To impart knowledge on method of using GD&T for successful communication of design requirements.
- To create simple and cost effective designs.
- To learn the standard method of interpreting the Geometric dimensioning and Tolerancing called for in the drawing.
- To learn how inspection gauges and fixtures have to be designed based on the GD&T given in the drawing.

### Methodology:

- The training will be conducted using slides, models and examples. Participants will be encouraged to make their own interpretations and draw few simple drawings.
- Depending on the composition of participants, the lecturer will communicate in English or Tamil.
- We encourage the participants to bring their own drawings for discussions and clarification.

### Trainer : Mr B S Subrahmanian

Mr. B.S.Subrahmanian is an Improvement Technology consultant. He had his career with Enfield India Limited and Larsen & Toubro Limited from where he retired as Senior Deputy General Manager (HRD & TQM) in 2001.

He has over 38 years of experience in varied fields of organization like Industrial Engineering including Value Engineering / Value Management , Strategic planning, production planning and control, shop floor, Design and development, Personnel and HRD, TQM and TPM. He was spearheading TQM and TPM activities at L&T. He was the lead participant of BPR imitative. For the last 15 years, he is active in consulting, training and teaching.

As a Trainer he has been doing programmes on a variety of topics for different levels of employees in a number of companies and the list includes Aasahi Glass India Pvt Ltd., Amararaja Batteries Ltd., Amruthanjan, Anabond Ltd., Bay-forge Ltd., Brakes India Ltd, Carborundum Universal Ltd., Crompton Greaves., Fenner (I) Ltd., GKN Driveline India Ltd., Godrej Saralee Ltd., Greaves Cotton Ltd., Hanil Lear India Private Limited., Hyundai Motor India Ltd., India Gypsum Ltd., Jumbo Bag Ltd., Kone Elevator India Pvt Ltd., Kyungshin Industrial Motherson Ltd., Lanco Industries Pvt Ltd., Larsen & Toubro Limited, Lucas - TVS Limited, M M Forgings Ltd., Mitsuba Ltd., Motherson Automotive Technology & Engg.Ltd., MRF Limited, JK Tyres, Murugappa Group, Rane, Royal Enfield Motors, Shanthi Gears, Shasun Chemicals And Drugs Ltd., Siemens Ltd., Simpson & Co Ltd., Tata Johnson Controls Automotive Ltd, Turbo Energy Limited, TVS Motor Company Ltd, Ucal Fuel Systems Ltd., Unity Forgings, Vasan Publications, Visteon Automotive Systems India Pvt Ltd. etc.

### TRAINING PROGRAMME FEE :

Rs. 6000/-per participant + 18% GST.

GSTIN : 33AFKPG7543M1Z5 SAC CODE : 999293 (Commercial Training and Coaching Services)

It Covers course Material, grand buffet Non veg. Lunch & refreshment

Cheque / DD drawn in favour of "Maxwell Centre for Industrial Training and Development".

### Course Content:

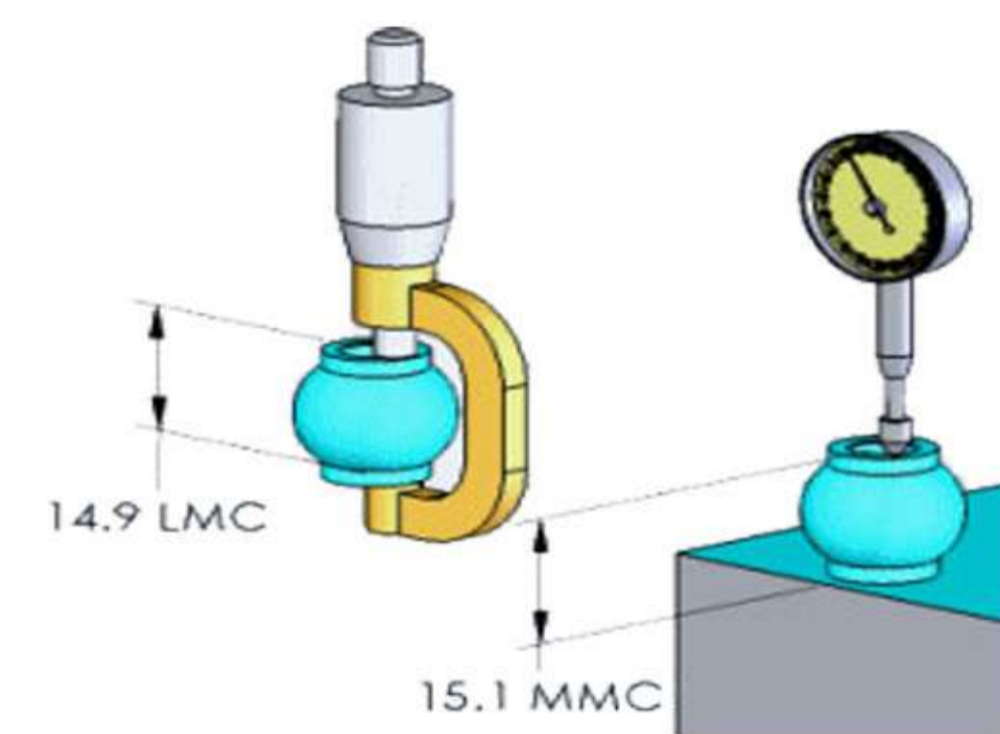
- Engineering Drawing/Tolerance
- GD&T Introduction, Symbols and Terms
- Datum
- Rules
- Forms
- Orientation
- Location
- Runout Tolerances
- Fixed and Floating Fasteners

### Who should attend?

Design Engineer, Quality Engineer, Process Engineer, Manufacturing Engineering, Gage Engineer, APQP team member, and Inspector, Sales and Marketing, Purchasing. Basic knowledge of drafting practices helps the participants to understand the principles fully.

### Deliverables :

By active involvement in the proceedings of this programme, we expect the participants to fully understand the systems geometric dimensioning and tolerancing and use it effectively.



**Date and Time:**  
19th & 20th December 2018  
Wednesday & Thursday  
9 am - 5 pm



**Venue:**  
Quality Inn Sabari  
Thirumalaipillai Road,  
T Nagar, Chennai-600017.

### For registration contact:

U. Mahalakshmi, Training Coordinator

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