

Last date for registration 26 November 2025

INTRODUCTION

Gears and Gear drives are one of the key components of all kinds of vehicles, machine tools, aircrafts, household appliances as well as a broad variety of industrial equipments. Today the designers are facing challenges of demands about increasing lifetime, power transmission and noise emission, whereas the size and weight of gear drives is constantly reduced. The accuracy of gears is crucial for achieving the above functional demands.

Proper understanding of gear metrology and Measurement of gears is important for ensuing required accuracy and quality, Lower overall cost of manufacture by controlling rejects and scrap, Control machines and machining practices and Determine gear treatment distortions to make necessary corrections.



FOCUS AREAS

- Basic concepts for gear measurement
 - Definitions of terms
 - Size measurement & form measurement
 - Single and Double flank composite inspection
- Run out characteristics
- Gear Measuring Machines & Instruments
- Gear Testing Machine Inspection Report and Interpreting gear graph
- Gear quality classification – DIN, JIS, ISO and AGMA standards
- Advancements in Gear Metrology
- Demo of Gear Measurement in Gear testing machine *

* Note: Factory visit of participants for Demo will be subject to the approval of the hosting industry.

KEY TAKE AWAYS

- After undergoing the programme, the participants will be able to -
- 1.Understand the various gear inspection parameters and their importance.
 - 2.Learn about tools and instruments for gear measurement
 - 3.Interpret measurement graphs / reports and take corrective actions.
 - 4.Know about latest advancements in the field of Gear metrology

PARTICIPATION FEE

Rs. 10450/-
+18% GST
IMTMA Members/ Micro Companies/ Individuals/ Educational Institutions / Students/ IMTMA Non Members/ Others

USD 415/-
Overseas Participants

Group Concession : 10% for 3 to 5 and 20% for 6 and more delegates being nominated from the same company

PARTICIPANT PROFILE

This programme is targeted towards Managers, Engineers and Middle management personnel involved in the functions of Production, Process Planning, Design, R & D, Application Engg., Quality assurance and other related areas from Automobile & auto ancillaries, Aerospace, Machine tool, Defence & Railway units, General Engg. and other manufacturing industries.

FACULTY

This programme will be conducted by Mr. Ved Parkash, an industry expert with over 37 years of domain expertise in automotive industries. He is former Head - Quality & TQM at Ashok leyland and Head - Quality at Hero Honda Motors. He has a rich experience in Gear manufacturing as well as Gear metrology. He was head of gear plant at Eicher and Associate Vice President at Hi Tech gears. He has set up a State-of -Art plant for Gear manufacturing at Hi Tech Gears, developed new products for reputed customers like Cummins, GM, Volvo, JCB, Getrag Ford, etc.

Mr. Ved Parkash has done a pioneering work at Hero Honda to reduce Gear Noise, establish distortion patterns during Heat treatment. He is a Mechanical Engineer and has been associated with well-known organizations in the country manufacturing 2 wheeler & 4 wheelers viz. Escorts, Eicher, LML, Hero Honda & Ashokleyland.

For Registration Contact

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