

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 equipment. Today the designers are facing challenges of demands about increasing lifetime, efficient power transmission and noise emission, while the size and weight of gear drives is constantly reduced. Hence, the accuracy of gears is crucial for achieving the above functional demands.

Proper understanding of gear metrology and measurement of gears is very important for ensuing the required accuracy and quality, lower overall cost of manufacture by controlling rejects and scrap, control machines and machining practices and determine heat treat 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 quality classification - DIN, JIS, ISO and AGMA standards
- Advancements in Gear Metrology

KEY TAKE AWAYS

- Understand the various gear inspection parameters and their importance
- Learn about tools and instruments for gear measurement
- Know about latest advancements in the field of Gear metrology

FEE PER PARTICIPANT (PER LOGIN)

Rs. 2000/-

+18% GST

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

USD 60/-

Overseas Participants

FACULTY

This programme will be conducted by **Mr. Vishwajit Kothari**.

Mr Vishwajit Kothari, is a Mechanical engineering professional with an accomplished exposure of over 30 years in Application Engineering of Machine Tools , Gear Cutting Machines, Gear manufacturing, Machining Centers and Vertical Turn-mill Centers. He has experience in Techno-commercial Sales and Marketing, New Part Development, Part Programming, Machine Tryouts, Design & Development of Tooling & Work Holding Fixtures on various machines.

He was associated Premier Ltd, a leading machine tool manufacturer of machine tools and he has handled assignments covering commissioning, job tryouts and training on Gear hobbing and gear shaping machines exported to Germany and Italy. He was deputed for in-plant training of CNC Gear Hobbing machines and CNC Gear shaping machines at Hermann Pfauter, Ludwigsburg in Germany and Pfauter Italia, Porretta Terme in Italy.

For Registration Contact

Nishant Singh
Programme Coordinator
9823174010
nishant@imtma.in
Dhananjay Talmale
9767164221
dhananjay@imtma.in

Contact Address

INDIAN MACHINE TOOL MANUFACTURERS' ASSOCIATION
Plot 249F, Phase IV, Udyog vihar, Sector - 18,
Gurgaon - 122015
Tata no- +91-124-6463101
Tel : 0124 4014101 - 04
Fax : +91-124-4014108



imtmatraining.67038796@hdfcbank