



## INTRODUCTION

Maintenance of spindles in metal cutting or industrial machinery is a critical function of a maintenance engineer. Technicians maintaining them typically require special diagnostic tools and intense technical training. Often component deviations can be traced to faulty spindles. Spindle maintenance requires a thorough knowledge of bearing application, lubrication, assembly tools and techniques.

Keeping this in view, IMTMA is organizing a training program on "**Care for machine tool spindles-Systematic approach for spindle maintenance**".

## FOCUS AREAS

- Bearing types & their application in metal working and industrial machinery
- Bearing lubrication systems
- Spindle failure & reconditioning
- Tools, tackles & assembly techniques
- Testing of assembled spindle units
- Bearing failure
- Spindle bearing preloading
- Preventive maintenance of spindles
- Why do spindles fail? - Case studies and examples
- Live demo of Spindle dismantling, testing and assembly

## KEY TAKE AWAYS

- Identify and correct spindle problems before any catastrophic failure
- Plan periodic predictive maintenance and inspection
- Decrease downtime and save money on spindle repairs
- Learn through live demo of spindle dismantling, testing and assembly

## 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**

## FACULTY

This programme will be conducted by **Mr. S.K. Gupta**.

**Mr. S K Gupta** is Former Asst. General Manager, Machine Design & Business Development, Tata Motors Machine tools division, Pune. He is an industry expert with over 37 years of rich experience in Design & Development of General purpose & Special purpose Machine tools.

### For Registration Contact

**Santosh Singh**  
**Programme Coordinator**  
9021442692  
[santosh@imtma.in](mailto:santosh@imtma.in)  
**Back End Operations**  
9742626488  
[enquiry@imtmablr.com](mailto:enquiry@imtmablr.com)

### Contact Address

**INDIAN MACHINE TOOL MANUFACTURERS' ASSOCIATION**  
12/5, D-1 Block, MIDC, Chinchwad,  
Pune-411019  
Board Line : +91 7066030531 / 532



imtmatraining.67038796@hdfcbank

**REGISTRATION** : Prior registration for participation is necessary. Number of participants is limited and will be accepted on 'First Come First Serve' basis. A Certificate of participation will be issued to participants.

**Important Information** : Participation fee includes, course material, working lunch and tea / coffee. Interested companies are requested to register online by clicking on 'REGISTER' button and by filling up the nomination authority and participant's details in specified form.