

## 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 an online training 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. 9500/-**

+18% GST

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

**USD 380/-**

**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** and **Mr. Rajesh Mandlik**.

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.

Mr. Rajesh Mandlik is Managing Director of Setco Spindles India, having 30 plus years of experience in spindle manufacturing, testing and re conditioning. He is instrumental in setting up green field projects at Pune, Chennai and Manesar (Gurgaon) for undertaking spindle testing, re conditioning services.

### For Registration Contact

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### Contact Address

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**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.