



INTRODUCTION

Proper Design of workholding & fixturing is key to effective utilization of machine tools. Basics of fixture design if not implemented correctly results in poor productivity & quality problems. Set-up time and cycle time reduction, increased accuracy on components, deskilling the job setting operation are the obvious advantages of a good fixture. Competence in workholding & fixturing differentiates excellent organizations.

FOCUS AREAS

- Various types of Workholding fixtures
- Key factors & Technical features of workholding fixtures
- Design of basic elements of a fixtures
- Elements for Hydraulic / Pneumatic fixtures
- Design consideration for Manual, Hydraulic & Pneumatic fixtures
- Safety features & cost control while designing a fixture & its elements
- Trouble shooting of the fixtures to achieve desired quality of component
- Group Exercises in concept development of fixtures

KEY TAKE AWAYS

After undergoing the programme, the participants will be able to -

- 1.The concepts of Fixture design
- 2.Various types of fixtures for machining applications
- 3.Selection of elements for fixtures
- 4.Design and development of new fixtures for machined parts

PARTICIPATION FEE

Rs. 7500/-

+18% GST

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

USD 300/-

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 will benefit Managers, Engineers, Supervisors, Machine & Fixture Designers and other personnel in the functions of Production, Process Planning, Inspection, Service, Engineering & Manufacturing from Machine Tool, Auto & Auto components, General Engg., Defense, Railways, Pumps manufacturers etc.

This programme will be a Mid level one and the participants need to have knowledge in Engineering Drawing as well as various elements of a machining fixture.

FACULTY

This programme will be addressed by Mr. S K Gupta, Former Asst. General Manager, Machine Design & Business Development, Tata Motors Machine tools division, Pune. Mr. Gupta is an industry expert with over 37 years of rich experience in Design & Development of General purpose Machine & SPMs.

The programme will be highly interactive where participants can solicit feedback on specific technical issues from the expert faculty.

For Registration Contact

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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.