

## 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 Excercises 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. 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

## 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

Sushant Tangade

Programme Coordinator

8237186098

sushant@imtma.in

### Contact Address

INDIAN MACHINE TOOL MANUFACTURERS' ASSOCIATION

12/5, D-1 Block, MIDC, Chinchwad,

Pune-411019

Board Line : +91 7066030531 / 532



**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.