

INTRODUCTION

The design of fixtures is key to the effective utilization of machine tools. Fixtures are economical ways to set up / hold a workpiece or a job to be machined and produce them in the right manner and in mass quantity. Fixtures, if not designed properly, and if not implemented correctly, results in poor productivity & quality issues in the final product. Set-up time and cycle time reduction increased accuracy on components, and deskillling the job setting operation are the obvious advantages of a good fixture. Competence in designing the right fixture differentiates excellent organizations. Hence good knowledge of the principles to be followed for designing fixtures is essential. The course is structured with an introduction to Machining Fixture Design basics, and a complete design process right up to the final design.

The program will be highly interactive and is aimed at providing a 360° view of all types of fixture design aspects. Keeping this in view, Indian Machine Tool Manufacturers' Association (IMTMA) is organizing a Webinar on "Fundamentals of Machining Fixtures - A practical approach".

FOCUS AREAS

- Various types of work holding fixtures
- Key factors & Technical features of work holding fixtures
- Design of basic elements of a fixtures
- Design consideration for manual, Hydraulic & Pneumatic fixtures
- Safety features & cost control while designing a fixture & its elements
- Fixture design fundamentals
- Introduction to Jigs and fixture – Basic elements

KEY TAKE AWAYS

- Various types of fixtures for machining application
- Knowledge of the design of simple fixtures to complex fixture
- Knowledge of systematic approach to fixture design
- Design and development of new fixtures for machined parts

FEE PER PARTICIPANT (PER LOGIN)

Rs. 12500/-
+18% GST
**IMTMA Members/ Micro Companies/ Individuals/
Educational Institutions / Students/ IMTMA Non
Members/ Others**

USD 500/-
Overseas Participants

Group Concession : 10% for 3 to 5 and 30% for 6 and more delegates being nominated from the same company

FACULTY

This program will be conducted by **Mr. S K Gupta & Mr. B. L Patil.**

Mr. S K Gupta, Former Asst. General Manager, Machine Design & Business Development, Tata Motors Machine tools division, Pune. He has over 3 decades of experience in the field of Machine Tools and Fixturing.

Mr. B. L Patil, Sr. Executive Officer Design Institute IMTMA, has over 27 industrial work experience in the field of Fixture design, SPM design (Metal cutting), and Process planning for machined components.

For Registration Contact

Vinaykumar S
Programme Coordinator
8147559749
vinay@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



REGISTRATION : Prior registration with an online advance payment is must. Number of participants is limited and will be accepted on ‘First Come First Serve’ basis. A Certificate of participation will be issued to participants.