

INTRODUCTION

The course is structured with introduction to Fixture Design basics to final design. Design of fixture 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, deskillling the job setting operation are the obvious advantages of a good fixture. Competence in right fixture differentiates excellent organizations.

A complete process of fixture design will be carried out from concept to finish design. Pre-design activities like design input, conceptualization, process planning, accuracy consideration, cycle time estimation, POKAYOKE, 3D modelling of parts and assembly, using popular design CAD tools and preparing the final manufacturing drawings. Design for Accuracy, Manufacturing and Assembly will be addressed during the course. It will be highly interactive and hands on training session and covers entire 360° view on all types of fixture design aspects.

Keeping this in view, IMTMA is organizing an online training on Fixturing for machining applications.

FOCUS AREAS

- Fixture design fundamentals
- Introduction to Jigs and fixture - Basic elements
- Study of component drawing for accuracy, cycle time, location, clamping and manufacturing process
- Design exercise for simple fixtures
- Introduction to hydraulics for fixture
- A complete design project on fixture design for auto component
- Hands on training using one of the popular cad tool
- Case studies on all types of fixtures will be reviewed for better understanding

KEY TAKE AWAYS

- Comprehensive design knowledge fixture design
- Knowledge on design of simple fixture to complex fixture
- Knowledge on CNC Machine tools
- Hands on experience in fixture design
- Knowledge in systematic approach on fixture design

FEE PER PARTICIPANT (PER LOGIN)

Rs. 9000/-

+18% GST

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

USD 270/-

Overseas Participants

FACULTY

This programme will be conducted by **Mr. SK Gupta & Mr. B L Patil.**

Mr. Gupta is 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. Patil has over 25 years' experience in various manufacturing industry in Design and process planning departments for machined components. Past three years working with IMTMA as a Faculty in Design Institute.

For Registration Contact

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