



Machine Tool Design - Metal Cutting SPM

Date : 10 February to 4 April, 2020

Venue : @ BIEC, 10th Mile, Tumkur Road, Madavara Post, Bangalore

Last date for registration 03 February 2020

INTRODUCTION

The course is structured with an introduction to Design fundamentals and more focused on machine tool design. A complete Design of metal cutting Special Purpose Machines will be carried out from concept to finish. Pre-process activities like design input, conceptualization, machine specification, 3D modeling of parts, sub-assemblies and final assembly using popular design CAD tools and preparing the final manufacturing drawings in par with industry standards, Design for Accuracy, Design for Manufacturing and Design for Assembly will be addressed during the course. It will be highly interactive and hands-on training session and covers the entire 360° view on machine tool design aspects

FOCUS AREAS

- Machine design fundamentals
- Introduction to CNC machine tools
- Design of metal cutting Special Purpose Machine - Project
- Overall design concept, Machine specification
- Training on CAD Tool - Autocad and Solidworks
- Design of Spindles & work holding
- Design of CNC Axes & Hydraulic Slides
- Introduction to Electronics and Electrical for Mechanical
- Design of machine structure and analysis
- Design of coolant system and lubrication system
- Hands on Experience on FEA Tool
- Industry Visits

KEY TAKE AWAYS

- Knowledge in Machine Design Basics
- Knowledge on the design of machine elements
- Drafting of manufacturing drawing & assembly drawing
- Knowledge in machine design standards
- Hands-on experience in Machine Tool design - SPM
- Knowledge in a systematic design approach
- A Certificate of participation will be issued to participants

PARTICIPATION FEE

Rs. 65000/-

IMTMA Members / Micro Companies

Rs. 75000/-

IMTMA Non Members/ Others

+ 18% GST

Rs. 50000/-

Educational Institutions / Students

For Registration Contact

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Contact Address

INDIAN MACHINE TOOL MANUFACTURERS' ASSOCIATION
 @ BIEC, 10th Mile, Tumkur Road, Madavara Post,
 Bangalore - 562 123
 Tel : 080-66246600
 Fax : 080-6624-6658

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.