Manufacturing Technology Training
An IMTMA initiative

Precision Machining with Mastercam: Mastering 2D & 3D Programming
Date : 24 to 28 February, 2025
Venue : IMTMA Technology Centre, Pune

INTRODUCTION

Machining is the art of transforming raw materials into intricate and precise components. Mastering the CAM (Computer-Aided Manufacturing) software is the key to achieving this precision. In this course, we will delve deep into the world of 2D and 3D programming, equipping you with the knowledge and hands-on experience needed to create complex toolpaths for CNC machining.

This course is designed to provide participants with in-depth knowledge and hands-on experience in precision machining using MasterCam software. Participants will learn the fundamentals of 2D and 3D programming, enabling them to create complex and precise toolpaths for CNC machining.

FOCUS AREAS

- **Introduction to MasterCam**
- **Geometry Creation 2D & 3D**
- **Toolpaths- 2D & 3D**
    - Contour, pocket, and drilling operations,Surface contouring,parallel and scallop operations,

Rest machining strategies,Toolpath parameters optimization and Control

- **Tool and Material Management**
- **Troubleshooting and Optimization**
- **Post Processing and G-Code Generation**

KEY TAKE AWAYS

- Hands -on practice and familiarization with the MasterCam interface, learning to navigate and manage your machining efficiently.
- Gain the ability to create and edit 2D sketches with precision, giving you the foundation for creating toolpaths for 2D machining operations.
- Master 3D toolpaths, including surface contouring and advanced strategies, to tackle intricate machining with confidence.
- Learn how to configure post-processors for your specific CNC machines and generate G-code for production.
- Identify and resolve common machining issues and fine-tune toolpaths for optimal results.

PARTICIPATION FEE

Rs. 16500/-
+18% GST
IMTMA Members/ Micro Companies/ Individuals/ Educational Institutions / Students/ IMTMA Non Members/ Others

USD 660/-
Overseas Participants

Group Concession : 10% for 3 to 5 and 20% for 6 and more delegates being nominated from the same company

PARTICIPANT PROFILE

Working professionals from CNC Machine shops willing to remain current and competitive in the business

Individuals looking for career growth in CNC machining.

FACULTY

Training from Industry experts from **IMTMA and Mastercam**

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.