Manufacturing Technology Training
An IMTMA initiative

5 Axis CNC Programming using Mastercam
Date : 10 to 12 December, 2025
Venue : IMTMA Technology Centre, Bengaluru

INTRODUCTION

Machining technology is progressing quickly, CNC Machining Centres form the core of manufacturing operations right from producing auto parts to machine critical aerospace components. Its effective application can ensure increased productivity, highest accuracy, rigidity and improved surface finish. In modern CNC machine shops, CAD/CAM softwares are being used for machining complex profiles which cannot be programmed manually. Systematic training in CAD/CAM with hands-on practice is a must to realise the benefits of productivity and quality in CNC machining.

Master cam is a very powerful CAM system for driving CNC Turning as well Machining Centres and is a simple software for learning and use. IMTMA Technology Centre is equipped with CAD/CAM and CNC machines for imparting hands-on training and is authorised for certification / training in Mastercam.

Keeping this in view, Indian Machine Tool Manufacturers' Association (IMTMA) is organising 3 day programme on "**5 Axis CNC Programming using Mastercam".**

Certification:

Joint certification from IMTMA and Mastercam India

FOCUS AREAS

- Geometry creation
- Importing and programming 3-D models
- Selection of Geometry
- Modifying Geometry
- Using different strategies like face milling, contour milling, Pocket milling, drilling etc.
- Selection of tools and parameters into the CAM system.
- Tool path creation and simulation
- Post processing and generating NC codes
- Live machining demo of CAM program

KEY TAKE AWAYS

After undergoing the programme, the participants will be able to -

- Create / Import 3D model and tool paths in Mastercam
- Create NC program.
- Carry out CNC machining and do validation

PARTICIPATION FEE

Rs. 6999/-
+18% GST
IMTMA Members/ Micro Companies/ Individuals/ Educational Institutions / Students/ IMTMA Non Members/ Others

USD 280/-
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 and CAD/CAM domain
- Students undergoing BE/ Diploma in Mechanical and allied disciplines

FACULTY

Industry Experts from **IMTMA and Mastercam Technical Specialists**

For Registration Contact

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Contact Address

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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.