

INTRODUCTION

Machining technology is progressing quickly, with advances in hard milling, high speed machining, chip thinning, live tooling on lathes, and many more. 5 axis Machining Centres form the latest in the series providing infinite possibilities as to the part sizes, shapes and complex profiles which cannot be machined in a single set up. Its multidirectional approach to cutting tool ensures increased productivity, highest accuracy, rigidity and improved surface finish. 5 axis machining will enable single set up machining of sophisticated design components having widespread applications in aerospace, die/mold, energy and automotive sectors.

Systematic training in 5 axis machining with hands-on practice is a must to realise the benefits of machining multiple faces of the component in single set up. IMTMA Technology Centre is equipped with double axis rotary table and CNC machines for imparting hands-on training.

Keeping this in view, Indian Machine Tool Manufacturers' Association (IMTMA) is organising 5 day programme on **“Hands on Training in 5-axis programming and machining” from 19 - 23 June 2023** at Bangalore.

FOCUS AREAS

- Familiarization of 5 axis movements.
- Programming and Hands on practice using double axis Rotary table.
- Machining multiple planes in single set up.
- Geometry creation
- Importing and programming 3-D models
- Selection of Geometry
- Modifying Geometry
- Hands-on practice in machining components using 5- axis programming.
- Selection of tools and parameters into the CAM system.
- Tool path creation and simulation
- Post processing and generating NC codes
- Data transfer to CNC machine and live machining

KEY TAKE AWAYS

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

- Understand machining a component with 5-axis programming.
- Effective manufacturing with single set up.
- Reduced error due to less number of setting.
- Carry out CNC machining in 5 axis machines

PARTICIPATION FEE

Rs. 20000/-
+18% GST

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

USD 800/-
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 multi axis machining

FACULTY

This programme will be conducted by Industry experts from IMTMA Technology Centre and Mastercam.

For Registration Contact

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