

## INTRODUCTION

Milling and hole making operations are an integral part of all metal cutting operations. While using a precision machine tool such as a CNC Machining centre for complex milling and hole making operations, selection of the right cutting tools for the operations is equally critical to producing quality machined parts. Selection of the right cutting tools can result in optimization of cycle time, reduce risks of errors in machining, manage tool costs better and result in the production of a high-quality part.

CNC machines have become the order of the day in every manufacturing industry. These applications are widespread in mass production units, batch production as well as in tool room industries. Thorough understanding of Programming and Operation of the CNC machines is a must in order to realize the maximum output.

This programme will address the programming and operation of CNC Machining centres in detail including finer aspects like control of dimensions and optimization of machining parameters. The participants will be trained hands-on in production CNC machines with real time machining exercises.

Keeping this in view, IMTMA is organising 5 days training programme on **Mastering Manufacturing Process :Optimization through right selection of Cutting Tools and Cutting Parameters in Milling Applications .**

## FOCUS AREAS

- Introduction to milling cutters
- Selection of tool for milling
- Introduction to milling tool holders
- Programming and operation of machining centres
- Overview of process planning
- Mechanics of Chip Formation

## KEY TAKE AWAYS

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

- Select tools and optimise machining parameters for improving productivity
- Learn Programming and Operation of VMC
- Work and tools set up in the machine.
- MDI commands and JOG movements.
- Program entry and simulation.

## PARTICIPATION FEE

**Rs. 12000/-**  
+18% GST

**IMTMA Members/ Micro Companies/  
IMTMA Non Members/ Others**

**Rs. 8000/-**  
+18% GST

**Individuals/ Educational Institutions /  
Students**

**USD 480/-**  
**Overseas Participants**

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

## PARTICIPANT PROFILE

This programme will benefit Machine shop engineers, technicians as well as fresh engineers aspiring to learn VMC programming and operation. A Basic knowledge on machining operations is essential.

## FACULTY

This programme will be conducted by industry experts from IMTMA Technology Centre.

### For Registration Contact

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