

INTRODUCTION

A machining centre can be defined as a sophisticated CNC machine tool controlled by a computer, running programs driven by numerical data, which can perform multiple machining operations like milling, drilling, tapping and boring operations by making use of a variety of tools with Automatic Tool Changer.

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

Keeping this in view, Indian Machine Tool Manufacturers' Association (IMTMA) is organising an online programme on **“CNC Programming - Machining Centre”**.

FOCUS AREAS

- Elements of CNC Machining Centre and different modes in the machine
- G codes and M codes applicable to CNC Machining Centre
- Structure of a CNC Programme for CNC Machining Centre
- Work and tool set up; Measuring tool offsets in X, Y and Z axes
- Programming using canned cycles – Drilling, Reaming and Tapping
- Dimensional control in CNC Machining Centre, Correction of wear offset for achieving tolerances
- Selection of tools and machining parameters
- Live demo of machining of sample component on Siemens 828D controller
 - Part set up
 - Work offset
 - Tool offset
 - Wear offset
 - Dimensional Control

KEY TAKE AWAYS

- Understand the concept of CNC machining program
- The zero offset
- About milling tools & tool offsets
- Metal cutting on a machining centre

FEE PER PARTICIPANT (PER LOGIN)

Rs. 5000/-
+18% GST

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

PARTICIPANT PROFILE

This programme will benefit Practicing engineers/supervisors.

FACULTY

The program shall be delivered by **Mr. Yuvaraj Patil and Mr. Sushant Tangade.**

Mr. Yuvaraj Patil, Sr. Executive Officer, IMTMA is a Mechanical Engineer having more than 18 years of experience in CNC Machine Shop & Tool Room. He has worked with various companies – ASB International, Videocon, Menon & Menon and PARI. Additionally, he has 6+ years of experience in training engineers in CNC Machining area with hands-on practice.

Mr. Sushant Tangade - Executive Officer, IMTMA is an expert in machine tool manufacturing, try-out and proving with 6+ years of experience in NPPL, Super Auto India Ltd. He has worked in Quality assurance and Product development.

For Registration Contact

Nagraj Hamilpure
Programme Coordinator
9881616902
n.hamilpure@imtma.in
Dhananjay Talmale
9767164221
ghananjanjay@imtma.in

Contact Address

INDIAN MACHINE TOOL MANUFACTURERS' ASSOCIATION
Plot 249F, Phase IV, Udyog vihar, Sector - 18,
Gurgaon - 122015
Tata no- +91-124-6463101
Tel : 0124 4014101 - 04
Fax : +91-124-4014108



imtmatraining.67038796@hdfcbank