

INTRODUCTION

CNC Turning is one of the major manufacturing processes in which cylindrical bars of material are held in a chuck and rotated while a tool is fed to the piece to remove material to create the desired shape. CNC lathes or turning centres have tooling mounted on a turret. Turning Centres perform rotating spindle operations. 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 - Turning Centre".

FOCUS AREAS

- Elements of CNC Turning Centre and different modes in the machine.
- G codes and M codes applicable to CNC Turning Centre.
- Structure of a CNC Programme for CNC Turning Centre.
- Work and tool set up; Measuring tool offsets in X and Z axes.
- Programming using canned cycles – OD Turning, Grooving, Threading and Drilling.
- ISO system of tool designation.
- Dimensional control in CNC Turning Centre, Correction of wear offset for achieving tolerances.
- Selection of tools and machining parameters.
- Live demo of machining a sample component on CNC Turning Centre (Fanuc Controller)
 - Part set up
 - Work offset
 - Tool offset
 - Wear offset
 - Dimensional Control

KEY TAKE AWAYS

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

FEE PER PARTICIPANT (PER LOGIN)

Rs. 5000/-

+18% GST

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

USD 120/-

Overseas Participants

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

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