Manufacturing Technology Training
An IMTMA initiative

Cost and Cycle Time Reduction in CNC Machining
Date : 7 August, 2026
Venue : IMTMA Technology Centre, Gurugram

INTRODUCTION

Effective utilization of Machines for reduction in cycle time, competitive production costs, improved quality, performance and longevity of machines, is an important role in enhancing productivity especially in large volume production. In the highly competitive market scenario, customers determine the price of a product and entrepreneurs need to continuously fine tune the costs to realize profits. Machine utilization has a major impact in reducing the manufacturing cost of components. For increasing machine on time and improving productivity requires adopting best machining practices.

Keeping this in view, Indian Machine Tool Manufacturers' Association is organizing a Training programme on **"Cost and cycle time reduction in CNC machining"**. Implementing ingenious ideas learnt during the session will help the CNC users to re-sequence machining operations with the existing state of things. This does not call for any investments. This will give immediate benefit on cost reduction by producing more with reduced cycle time and improved tool life. Most participants who implemented the new ideas, says they are able to produce 11-22% improved productivity. These inefficiencies are no reflection on your in-house machining skills and your capability to remedy them.

Note: This Program will be conducted at CICU, Ludhiana.

FOCUS AREAS

- Tolerances CTQs (Critical to quality)
- Identifying the abnormal situation in the process
- Identifying the causes for the abnormal situation
- Solutions to eliminate the causes for the abnormal situation
- Fineries of Turning centre operations and techniques
- Fineries of Machining centre operations and techniques
- Applying right parameters to enhance the productivity
- Method of identifying effect of improper applications
- Optimum use of resources to enhance productivity

KEY TAKE AWAYS

- Understand fineries of Application on Machining centre which influence on quality and aesthetic of part machined
- Key factors influencing on cycle time
- Key factors influencing on tool life
- Selection of parameters

PARTICIPATION FEE

FACULTY

This programme will be conducted by, IMTMA Subject Matter Expert.

He is having over 28 years of experience in the industry, in the field of manufacturing of precision components for Nuclear, Aerospace & Automation industry. He has acquired expertise in the application and use of GD&T principles in precision manufacturing of components as well as experience in conducting training programs. He has imparted training in CNC, CAD/CAM, CMM & GD&T for more than 1500 engineers. Has conducted more than 30 batch of Finishing school. Trained industry professionals from TVS, Ceratizit India, Ashok Leyland, Kennametal etc. Prior to working at IMTMA, he has worked at Avasarala Technologies Limited, as Assistant Manager, in the field of machining the precision components using CNC machines. Components manufactured for prestigious projects like Centre for Advanced Technology (BIGBANG test), ITER which is expected to be operational in the year 2030 at France. He was deputed to M/s Kimberly Clark Corporation's KIMTECH plant at Neenah, Wisconsin state, United States of America for one year to understand their best manufacturing practices. At IMTMA, as Assistant Director, his role is to impart hands-on training for manufacturing professionals.

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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.