



Precision Engineering (CNC Turning)

Program Objectives

- This course aims to provide training in fabricating precision engineering components using CNC machines and supporting tools.

Who should attend?

- **Experienced machinists**

Programme Outline (48 hours)

Participants should complete the following turning operations:

- a) Plain and Step Turning.
- b) Profile, Taper, Groove and Thread Cutting.

Training Contents:

1. Describe the applications of codes and addresses used in programming.
2. Write part programs for paraxial turning operations.
3. Operate the control panel of the CNC lathe.
4. Verify manual written part program at the machine controller.
5. Perform paraxial turning operations on CNC lathe.
6. Generate tool paths for turning operations using the Trace Display mode.
7. Create external grooving operations.
8. Create external thread cutting operations.

Course Provider

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