Compumachine Training Programs
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G Code, CNC Control & Machine Setup – Turning Center (2 Days)

Course description

In this accelerated setup and programming course, you will be introduced to the concepts of CNC turning from the basic turning terminology, machine functions & features, work holding options, all the way up to G-Code programming and CNC turning center set-up. Through our step-by-step course outline, you will go through all the procedures from reading part drawing to turning it into reality. In the class, a latest Fanuc based CNC turning center will be available for student hand-on experiment.

What you will learn:

- Introduction of the machining theory
- Explanation of the CNC turning technology
- How does CNC Turning Center work?
- Axis configurations and coordinate systems
- Explanations and examples of both G-Codes and M-Functions
- G&M code programming from blue print
- Fixed cycle details and how they are applied
- Hand on machine setup and operation
- How to use RS-232 upload/download programs
- How to use fixture offset and tool offset
- How to apply cutter compensations
- Part program execution of a real programmed part
- In process part inspection and dimension adjustments using cutter compensation

What machine is used for training?

A generic CNC Turning Center with Fanuc CNC control will be made available.
It will be latest machine model to the market.

Who should attend?

The perspective students should be familiar with machine shop practices and equipments; we encourage individuals who desire to attain the CNC machining skills to attend.

Dates and Locations:

This course is offered at Compumachine's Danvers facility on a first come, first served basis and requires R.S.V.P.'s.

For a more detailed schedule of course availability, please check our website or contact Peter Jones at (978)-657-8440 ext. 236.