MANUFACTURING

Course Title: CNC LATHE PROGRAMMING & MACHINING

Course Code: MMF 103

Course Background / Summary:

Participants will learn how to program CNC turning centers and understand the basic principles of CNC Machining. Most comprehensive and popular, it covers just about every possible subject a typical CNC programmer may encounter daily. It covers from basics to advanced CNC programming, with step-by-step coverage of machining processes and turning operations.

Course Objectives:

- Perform turning operation using CNC Didactic Unit (small CNC machines).
- Identify the capability and limitations of the machining process for CNC machines.
- Understand the Feeds and Speeds Calculation.
- Analyze and practically perform machine variable and cutting parameters.

Target Audience:

- Machines Operators and Suppliers
- Teaching staff (including vocational and technical teachers)
- Industrial workers

Course Duration: 3 Days

Course Contents	
1.0 Introduction to CNC Lathe Programming	**5.0 Tool Compensation**
2.0 Theory on Tools and Creating Programs	**6.0 Canned Cycle**
3.0 Axes and Coordinate	**7.0 Introduction to CNC Lathe Machine**
4.0 Programming by ISO	**8.0 Project Exercise**