



for a greener tomorrow



# CNC Mill Program Training

## Operations and Programming

### Course Description

CNC Mill Program Training	
Course Code	MEPRGM-0101
Course Credits	4.0 credits
Length	3 Days
Price	\$2,000
Prerequisite	None

### INTRODUCTION

This course is intended to teach the G-code programming language to the machine operator or programmer. This class will start with basic 3-axis programming. At the end of the course, the student will be able to program a real-world part from a blueprint-type drawing.

### WHO SHOULD ATTEND?

Students who are interested in learning G-code programming should attend this course. This course is not intended to teach the student to become a machinist. However, some practical instruction on machining will be provided.

### COURSE HARDWARE

N/A

### PREREQUISITES EXPLAINED

Students should have some basic knowledge of CNC operations.

### COURSE OUTLINE

- LESSON 1 Monitor, Setup, & Edit Screens
- LESSON 2 Tool Registration and Tool Length Setting(s)
- LESSON 3 Work Offsets
- LESSON 4 Programming Differences Using M2/M0 Format
- LESSON 5 G-code Lists
- LESSON 6 Standard M-code Functions
- LESSON 7 Machine Movements
- LESSON 8 Programming Methods
- LESSON 9 Program Troubleshooting
- LESSON 10 Program Building
- LESSON 11 Sub programs

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