



for a greener tomorrow



CNC Macro Program Training

Operations and Programming

Course Description

CNC Macro Program Training	
Course Code	MEPRGM-0130
Course Credits	4.0 credits
Length	3 Days
Price	\$2,000
Prerequisite	MEPRG0-0101

INTRODUCTION

The MEAU Macro Programming Class has been designed to provide an understanding in macro or parametric programming, along with system, local, common variables and their usage. Students will learn to build macro programs, debug them and make them error proof. Upon completion of the class, the student will be able to utilize custom G-Code, M-Code, and canned cycle programs using macro programming techniques.

WHO SHOULD ATTEND?

This course teaches some advanced concepts of machining, so the prospective student should have a basic knowledge of G-code programming.

COURSE HARDWARE

N/A

PREREQUISITES EXPLAINED

MEPRG0-0101 is required before this class can be taken.

COURSE OUTLINE

- LESSON 1 Variables
- LESSON 2 Argument Sets
- LESSON 3 Math Functions
- LESSON 4 Nesting
- LESSON 5 Branching
- LESSON 6 PLC Input/Output variable control
- LESSON 7 Variable labeling
- LESSON 8 Parameter Reading and Writing
- LESSON 9 Error-Checking
- LESSON 10 Debugging
- LESSON 11 Custom G-code, M-code, S-code and T-code Creation
- LESSON 12 Program Structure

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