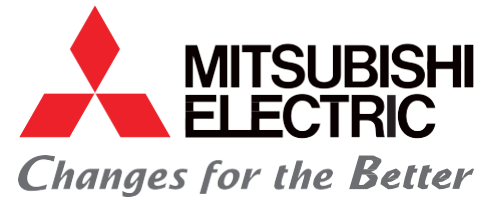




for a greener tomorrow



PLC Ladder Logic for CNC

Course Description

PLC Ladder Logic for CNC	
Course Code	TRCNC102P
Length	3 Days
Prerequisite	None

INTRODUCTION

This course is intended to explain how the Mitsubishi Electric CNC PLC is programmed through lecture and hands-on practice. Upon completion of this course, students will have a fundamental understanding of the CNC PLC. Additionally, students will be able to read and write ladder diagrams which provides a much greater ability to troubleshoot machine-side problems.

WHO SHOULD ATTEND?

This class is intended for students who are interested in learning how the Mitsubishi Electric CNC PLC is programmed using both the HMI screens and the GX Works software.

COURSE HARDWARE

CNC simulators and laptops with GX Works2 software will be provided.

PREREQUISITES EXPLAINED

No prerequisite required. A basic understanding of PLCs is not necessary but will be helpful. This training is designed only for customers who have CNC hardware.

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T-VH-00128

COURSE OUTLINE

- LESSON 1 Basic of PLC
- LESSON 2 Applying Logic Gates
- LESSON 3 PLC I/F
- LESSON 4 Hardware and Connections
- LESSON 5 Using GX Works2
- LESSON 6 Creating a Ladder File
- LESSON 7 Creating a Message File
- LESSON 8 Alarms
- LESSON 9 PLC Parameters
- LESSON 10 FO Page
- LESSON 11 Troubleshooting

MITSUBISHI CERTIFICATION

This class is eligible for Mitsubishi Certification. Simply notify your instructor that you wish to pursue certification.

