



for a greener tomorrow



# M300 Maintenance Training

## Service and Maintenance

### Course Description

M300 Maintenance Training	
Course Code	MENC30-0101
Course Credits	3.0 credits
Length	3 Days
Price	\$2,000
Prerequisite	None

#### INTRODUCTION

This course has been designed to explain the Mitsubishi Electric M300 Control and CNC concepts through lecture and hands-on practice. Upon completion of this course, maintenance employees will have a fundamental understanding of the M300 control and should be able to troubleshoot and maintain a complete control system.

#### WHO SHOULD ATTEND?

Students who desire to learn how to service, maintain, diagnose and troubleshoot the M300 control should attend this class.

#### COURSE HARDWARE

MC116, MC161, MC721, MC712, PD19/21, MR-S11-xx-n servo drive, MR-S12-xx-n servo drive, FR-SF-xx-n spindle drive

#### PREREQUISITES EXPLAINED

No prerequisites. This class is recommended for beginners with little or no experience with Mitsubishi Electric controls.

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#### COURSE OUTLINE

- LESSON 1 M300 Hardware & Connections
- LESSON 2 Control LEDs
- LESSON 3 MELDAS Screen Navigation
- LESSON 4 Backup Procedures
- LESSON 5 Reinitialization Procedures
- LESSON 6 Drive System Overview
- LESSON 7 Parameter Settings
- LESSON 8 NC Troubleshooting

#### CERTIFICATION LEVELS

After completing this class, take just two more classes – MEPLC0-0101 & MEPRG0-0101 – to become a Mitsubishi Electric Level 1 Certified Specialist. Learn more about Level 2 Master Certification and Level 3 Expert Certification [here](#).

